PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Kingsbridge Armory
Block 3247, Lot 2
Bronx, New York 10468

TRC Project Number: 113429.0120.0000

Prepared for:
New York City Economic Development Corporation
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September 19, 2007

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To: Ms. Kay Zias
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Date: September 19,2007

Project No.: 113429.0120.0000

Project: Phase II ESA Report
Kingsbridge Armory
Bronx, New York

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September 19, 2007

Ms. Kay Zias
New York City Economic Development Corporation
110 William Street
New York, NY 10038

Subject: **Phase II Environmental Site Assessment Report**
Kingsbridge Armory
Block 3247, Lot 2
Bronx, New York 10468
TRC Project No. 113429.0120.0000

Dear Ms. Zias:

TRC Environmental Corporation (TRC) is pleased to present this Phase II Environmental Site Assessment Report for the subject Kingsbridge Armory site. These services were provided to the New York City Economic Development Corporation (EDC) in accordance with our retainer contract.

We are pleased to be of service to EDC concerning this project. If you have any questions or comments on this report or project, please do not hesitate to contact us.

Sincerely,

TRC ENVIRONMENTAL CORPORATION

James Peronto
Program Manager

\\NYC-FS1\Shared\Projects\31193 - New York City Economic Development Corporation\0380 - 00030 BAM Ph II (EDC)\Phase II Report\North\Text\Phase II Report BAM North 3-28-07.doc

cc: Samuel Monte, TRC

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1.0 INTRODUCTION

This Phase II Environmental Site Assessment (Phase II ESA) Work Plan details the investigation activities and methodologies implemented at the Kingsbridge Armory Site (refer to Site Description below). This Work Plan was prepared by TRC Environmental Corporation (TRC) on behalf of the New York City Economic Development Corporation (NYCEDC). As documented by previous environmental reports and a site visit by TRC, there are recognized environmental conditions (RECs) and environmental concerns associated with the Site that were evaluated under the Phase II ESA. The overall objective of the Phase II Environmental Site Assessment (Phase II ESA) was to assess the potential presence and nature of Site contamination not including lead based paint, asbestos containing materials, mold, or hazardous building materials (e.g., fluorescent bulbs, ballasts) associated with the property.

1.1 Site Description

The Site is an approximately 5-acre parcel encompassing four city blocks and consisting of a Romanesque-style fortress (the "Armory"), two smaller annex buildings located to the north of the Armory, and paved parking area at the west end of the Site. The legal description for the Site is Block 3247, Lot 2. The Site is bounded by West 195th Street to the north, Jerome Avenue to the east, Kingsbridge Road to the South, and Reservoir Avenue to the west.

The Armory is comprised of over 475,000 square feet of space, with a main drill hall occupying most of the ground floor and three levels below the drill hall. The lower levels of the Armory include rifle and pistol ranges, subterranean parking, and open storage space. A one-story brick Annex building is located to the north of the Armory, near the intersection of Reservoir Avenue and West 195th Street, and is used for vehicle storage (the "Maintenance Building") by the National Guard. A two-story brick Annex Building is located to the north of the Armory, at 10 West 195th Street, and is used as a recruiting office for the National Guard.

Figure 1 shows the general location of the Site. Figure 2 shows site layout and the boundaries of property.

1.2 Site History

The Phase I ESA Sanborn fire insurance maps from 1914 to 1996 indicate that the Site was developed since at least 1914 and occupied by the 8th Coast Artillery, District N.G.N.Y. (National Guard of New York). According to the Phase I Environmental Site Assessment (Phase I ESA) report dated September

2006 and prepared by Metcalf and Eddy, Inc. (M&E) for EDC, construction of the Armory began in 1913 and was completed in 1917. A 1978 Sanborn map presented in the Phase I ESA indicates that the adjacent two-story Annex building was constructed in 1958. The adjacent Annex garage building is also shown on this Sanborn map; however, there is no construction date indicated on the map for the building.

1.3 Future Use of the Site

The planned redevelopment of the Site includes a mixed-use of community space, schools, department store, movie theatre, parking garage, and a YMCA. The proposed future development plans will require extensive renovation of the existing Armory and Annex Buildings currently located at the Site.

2.0 PREVIOUS STUDIES

As previously indicated, M&E prepared a Phase I ESA report for the Kingsbridge Armory dated September 2006 on behalf of NYCEDC. The Phase I ESA made no conclusions with regards to the presence or absence of RECs at the Site. However, the following findings in the Phase I ESA report can be interpreted as representing RECs or environmental concerns for the Site:

- An area of the concrete floor on the lowest level of the Armory appeared to be saw cut and backfilled with sand. The Phase I ESA concluded that this area represent a possible location where an underground storage tank (UST) had been removed. The former presence of a UST at this location represents an REC; however, TRC was unable to find this location and any records concerning the prior presence of an UST at this location.
- The three earthen floor indoor shooting ranges within the Armory potentially have spent lead-containing shells. The presence of lead-containing shells within the Armory represents an environmental concern.
- Three 275-gallon fuel oil aboveground storage tanks (ASTs) were identified in the Armory. One tank is located in the northeast corner of the drill hall floor and the other two are located two levels below the drill hall floor in the southwestern portion of the building, east of the former bowling alley. TRC observed the one AST located on the drill hall floor during our site visit. This tank still contained diesel fuel for an emergency generator that was no longer operable. The tank appeared to be in good condition with no signs of leaks. The other two tanks were observed to be in the subbasement and appeared empty with no signs of leaks; however, access to the tanks was limited due to the presence of surrounding debris and standing water.
- Ten 55-gallon steel drums were reported in the parking/vehicle storage area located three levels below the drill hall floor. The drum's contents were reported as unknown and most free of liquids. During TRC's site visit, several empty drums were observed in this area with no signs of potential releases.
- Suspected peeling lead based paint, potential polychlorinated biphenyl (PCB) containing light ballasts, potential asbestos containing materials (ACM) including pipe wrap and floor tiles, and extensive mold growth were noted present in portions of the Armory.

Naeva Geophysics Inc. (Naeva) prepared a geophysical survey report on behalf of ATC Associates, Inc., dated August 18, 2000. The geophysical survey report identified the following current and former locations of USTs that represent RECs:

- An abandoned fill port and vent pipe were located along the western exterior of the Armory, and the geophysical survey traced the lines associated with the vent pipe and fill port to a nearby 12-foot by 15-foot area where the asphalt pavement had been removed. The geophysical survey found no evidence of buried metal at this location, and the report interpreted the area to represent a former UST location.
- A 30-foot by 30-foot area of reinforced pavement is located along the western exterior of the Armory and to the south of the aforementioned former UST location. The geophysical survey detected elevated electromagnetic (EM) response at this location, and the report interpreted the geophysical anomaly to represent a potential UST location.
- Two vent pipes were observed along the western perimeter of the Maintenance Building to the north of the Armory. The geophysical survey traced the lines associated with the vent pipes to two areas where the concrete pavement had been patched. Although the findings of the geophysical survey were inconclusive regarding USTs at these locations due to interference from metal objects on the surface (i.e., cars and metal dumpsters), the geophysical survey report interpreted each of the patched areas to represent a potential UST location.

3.0 SCOPE AND METHODOLOGY

From July 18, 2007 to August 6, 2007, TRC conducted a Phase II ESA at the Site. The overall scope and methodologies of TRC's Phase II ESA is consistent with the Phase II ESA Work Plan dated July 2007. Photographs documenting implementation of the Phase II ESA are presented in Appendix B.

3.1 Scope of Phase II ESA

TRC's Phase II Environmental Site Assessment included the following:

- Geophysical survey at suspected historic underground storage tank (UST) locations and planned drilling locations (buried utility clearance),
- Test pit excavations at two of the three historic tank locations,
- Completion of 13 soil borings around historic UST locations,
- Installation of 4 permanent groundwater monitoring wells around historic UST locations,
- Collection of 18 soil samples from 15 locations at the indoor shooting ranges, and
- Collection of 14 soil boring samples and 4 groundwater samples for laboratory analysis in response to the aforementioned recognized environmental conditions,

The scope of each of these elements is described in the subsections below.

3.2 Geophysical Survey

The results of the prior Naeva geophysical investigation and TRC's site visits indicated evidence of several potential USTs along the western perimeter of the Armory and Maintenance Building. In addition, the Phase I ESA identified a potential UST location within the lowest level of the Armory. However, this location was not evident in the field and therefore could not be investigated further.

The primary objective of the geophysical survey was to identify the presence of historic USTs and to assess planned subsurface sampling locations for underground utilities. Enviroprobe conducted a subsurface geophysical investigation at the subject property at the suspect UST locations under the direction of TRC. The investigation utilized a Mala Geoscience Ramac X3M cart-mounted Ground Penetrating Radar (GPR) unit, a Radiodetection PDL2-4M multi-frequency receiver and transmitter (Radiodetection), and a Fischer Scientific TW-6 metal detector.

The penetration depth of the GPR unit varies from several inches to tens of feet according to site-specific conditions. The penetration depth decreases with increased soil conductivity. The penetration depth is the greatest in ice, dry sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, of other highly conductive materials greatly reduced GPR penetration. The Radiodetection receiver and transmitter are commonly used for pipe and cable locating. These instruments were used to identify suspect USTs, buried pipelines and other potential subsurface structures of concern.

The two historic UST locations at Kingsbridge Armory west of the Maintenance Building are covered by reinforced concrete, thereby limiting the effectiveness of the geophysical survey equipment to locate the USTs. At a third suspect UST location that corresponds with an area that Naeva had previously indicated where asphalt pavement had been removed and a fill and vent pipe were present, and the geophysical survey found no evidence of buried metal. A small guard booth for the Armory is currently present at this location. The guard booth was installed by NYCEDC at this location in the Summer of 2003 and is constructed of metal frame and siding on a concrete slab. The previously identified flush-mounted steel fill pipe for this location is still present in the asphalt just south of the Guard Booth and inscribed with the words GASOLINE along its rim. At the 30-foot by 30-foot area of reinforced concrete pavement previously identified by Naeva and located along the western exterior of the Armory to the south of the aforementioned former UST location, there are no signs of potential USTs (e.g., fill pipe, vent pipe, manway) and no known historic USTs at this location associated with the Armory. Furthermore, TRC believes that this slab may be related to a former below-grade pump house reported in this area for the Jerome Reservoir previously located on the Armory site.

Numerous utilities including water, sewer, gas, and electric are also located near the UST locations and planned soil boring/well locations. Some soil boring and well locations were adjusted to avoid buried utilities to assure safe working conditions.

3.3 Test Pits

Following the completion of the geophysical surveys, test pit excavations were completed at two of the three historic UST locations by American Environmental under contract to TRC to assess the presence of an UST. Based on the test pitting findings at the two locations, TRC was able to confirm the presence of two abandoned USTs west of the Maintenance Building. Concrete slabs over the tank locations were marked with the numbers "94" along with several individual names likely indicative of the date that the slabs were poured (i.e., tanks closed) and the persons that did the work. After removing a portion of the slab and underlying soils to expose the tanks, it was determined that the top of each steel UST had been cut open and filled with a gravel/sand mixture. The gravel/sand in the tanks appears to have settled and

as a result a void space in the top of each tank appears to have filled with rain water that had penetrated cracks in the surface concrete and collected in the void space inside the tanks. The water, sand and gravel were visually observed and field screened with a PID and there were no signs of any petroleum impacts. TRC did not collect soil or water samples from the test pit locations. The test pits were backfilled with removed material and the removed overlying concrete slab area was filled to grade with recycled concrete/aggregate material brought to the site by American Environmental. The concrete slab debris from each test pit location was removed from the site and disposed of offsite.

3.4 Soil Sampling and Analysis/UST Investigation

The primary objective of the soil sampling was to assess overall soil conditions at the three known historic UST locations. As shown on Figure 4, TRC advanced thirteen soil borings, corresponding to four borings at each of the known existing and former UST locations and one additional boring (SB-13) near one boring location (SB-12) where an elevated PID soil reading was measured at the bottom of boring and the boring was terminated due to refusal.

A vehicle-mounted, hydraulically-powered machine (Geoprobe® Model 6600) using static force and percussion advanced small-diameter tools into the subsurface to collect soil samples at each soil boring location. At each location, an attempt was made to advance a soil boring to the water table utilizing the direct push unit. At several boring locations, shallow refusal was encountered before groundwater. At least one boring location per UST location was completed to groundwater. All soil boring samples were continuously collected at 5-foot intervals and field screened for volatile organic compounds (VOCs) and signs of potential petroleum contamination to the water table, utilizing a PID and field observations (e.g., staining, odors, etc.). Geologic descriptions of the soil and field screening results were recorded in field logs. Appendix C contains the soil boring logs prepared by TRC.

At a minimum, one sample was selected from each boring for laboratory analysis from depths exhibiting evidence of potential contamination (e.g., odors, staining, PID readings). If there were no indications of potential contamination, the soil samples for analysis were either collected from the sampling interval above the inferred depth of the water table or the deepest interval prior to refusal. Selected discrete soil samples were analyzed for the following parameters:

- Target Compound List Volatile Organic Compounds (TCL VOCs),
- Target Compound List Semivolatile Organic Compounds (TCL SVOCs),
- Target Compound List Pesticides/Polychlorinated Biphenyls (TCL pesticides/PCBs) and
- Target Analyte List Metals (TAL Metals)

Samples were containerized in accordance with EPA analytical protocols. Each container was properly labeled and placed in an iced cooler for transport to the laboratory. A chain-of-custody was completed in the field and accompanied the samples to the laboratory.

3.5 Groundwater Sampling and Analysis

A conventional hollow-stem auger rig was used to install four, two-inch diameter permanent groundwater monitoring wells at the Site. The initial scope of work called for 5 wells to be installed; however, due to the greater than anticipated depth to groundwater and numerous obstructions (cobbles, boulders, etc) that were encountered during the drilling, only four groundwater wells were able to be installed. Groundwater depth ranged from 26.69 feet (ft) below top of well casing (BTOC) to 29.88 ft BTOC in MW-1. The wells are flush-mounted wells with the top of casing located slightly below the adjacent grade. Groundwater flow direction is to the south west. Figure 4 shows the surveyed groundwater depth as well as the groundwater flow direction.

Groundwater monitoring wells were constructed of threaded Schedule 40 PVC well casing and 20-slot well screen. The wells were screened approximately 10 feet above the water table and 10 feet below the water table. Clean silica sand, Morie No. 2, or equivalent, was placed in the annular space around the well screen to a minimum of one foot above the top of the well screen, two feet being optimal. A two-foot bentonite seal was placed above the sand pack and hydrated with potable water. A portland cement/bentonite grout (6:1 ratio) was placed the well annulus up to 12 inches below grade only after the underlying bentonite seal was fully hydrated. A concrete ground surface seal or apron was installed 12 inches deep and surrounding the well at least 6 inches wide and sloped flush to surrounding paved surfaces. An 8-inch diameter protective flush-mounted steel surface manhole marked MONITORING WELL with a bolted cover was securely set in the concrete with a 12-inch steel skirt over the PVC well casing. A locking well cap with a keyed-alike brass lock was provided for each well. Well construction diagrams were prepared by TRC for each well and are located in Appendix C.

Following development, the wells were allowed to equilibrate for seven days prior to groundwater sampling. The volume of water removed, the well development time, and field instrument readings were recorded. Groundwater development and sample logs are located in Appendix D.

Just prior to sampling the new groundwater monitoring wells, the wells were purged utilizing a low-flow submersible stainless steel pump and dedicated polyethylene tubing connected to a flow-through cell for monitoring water quality parameters. The submersible pump was decontaminated prior to sampling utilizing a solution of deionized water and Alconox detergent. Low purging rates were used to minimize suspension of particulate matter in the well. Field parameters including temperature, conductivity, pH,

turbidity, and dissolved oxygen (DO) were recorded during purging and before sampling. Prior to sampling, the goal of within ±10 percent for two consecutive readings for the field parameters was attained at each location. After completing purging, groundwater samples were collected with the low-flow submersible pump and dedicated disposable polyethylene tubing.

The locations and elevations of the tops of casings of all groundwater monitoring wells at the Site were surveyed by a New York State licensed land surveyor under contract to NYCEDC.

The groundwater samples were analyzed for the following parameters:

- TCL VOCs,
- TCL SVOCs, and
- TAL Metals (filtered and unfiltered).

Samples were containerized in accordance with EPA analytical protocols. Each container was properly labeled and placed in an iced cooler for transport to the laboratory. A chain-of-custody was completed in the field and accompanied the samples to the laboratory.

3.6 Surficial Soil Sampling/Shooting Ranges

Soil samples were collected from the three separate rifle/pistol shooting ranges located on the interior lower levels of the Armory. Dedicated, decontaminated stainless steel spoons were utilized to collect the soil samples at each of the shooting ranges, and samples were collected from multiple depths in each area. The soil samples were collected from 0 to 1.5 feet below ground intervals. A total of eighteen (18) soil samples were collected for total lead analysis from the five pistol shooting ranges and one rifle shooting range. Several of the samples were also screened in the field with a No. 5 sieve (4 mm or 0.157 inch opening to remove large pieces of lead shot. Based on the total lead sample results, eleven (11) of these soil samples were analyzed for TCLP leachable lead for waste disposal characterization. The locations of the soil sampling associated with the shooting ranges are shown on Figure 5.

Additional lead impacted material disposal will be necessary in the pistol range containing SB-I/9, SB-J/10, and SB-P/16. The wall on the west end of this firing rang is composed of wood (approximately 840 cubic ft) containing lead shot. The location of the wooden wall is shown on Figure 5.

3.7 Waste Management

Investigation derived wastes (IDW) are waste materials that was generated during the Phase II site investigation. The IDW included boring soil, well development and purge groundwater,

decontamination liquids, and personal protective equipment (PPE). Following groundwater well installation, six drums were properly labeled and stored on site. Three drums containing soil, two drums containing groundwater from well development and purging/sampling and decontamination water, and one drum containing soiled PPE was accumulated during the soil and groundwater investigation and are currently staged on site.

4.0 OBSERVATIONS AND ANALYTICAL FINDINGS

4.1 Nature of On-Site Materials

TRC completed 13 soil borings to characterize subsurface conditions adjacent to historic UST locations at the Site. Soil borings exposed urban fill materials to depths of approximately 5- to 10-feet below grade (ftbg). The urban fill appears to consist mainly of brown fine to coarse sand with some gravel and silt and contains construction debris including brick and concrete. Native glacial deposits below the urban fill consist of brown fine to coarse sand with some fine gravel and cobbles. Shallow refusal was encountered at several locations and was believed to be caused by large cobles or boulders. Boring logs describing subsurface conditions at the Site are presented in Appendix C.

4.2 Geophysical Survey

On July 16, 2007, a geophysical survey was performed by Enviroprobe for the purpose of locating underground storage tanks (USTs) and clearing proposed boring locations of buried utilities. The GPR penetration depth varied throughout the survey area and ranged from approximately 2 to 5 ftbg. Due to the presence of reinforced concrete, the GPR range was limited and could not confirm whether or not USTs were present at the two locations near the Maintenance Building. For each proposed boring location, an area measuring approximately 10 feet by 10 feet around the borings, were surveyed for underground utility pipes using Radiodetection instruments, metal detector and GPR. Located buried utilities were marked on the ground surface with spray paint to aid in locating borings away from these utilities.

4.3 Soil Boring/UST Investigation

TRC completed 13 soil borings and collected 14 soil samples from these borings for laboratory analysis to assess the soil conditions near the historic UST locations. The soil boring sample analytical results are summarized in Tables 1 through 5. Laboratory sample data summary reports are presented in Appendix D. Figure 3 shows the soil sampling boring locations. Soil contaminant levels were evaluated by comparison with the NYSDEC's 6 NYCRR Part 375 Brownfield Cleanup Program (BCP) Unrestricted Residential Use and Restricted Residential Use Soil Cleanup Objectives (SCOs). The SCO values used for comparison are the lower of the Protection of Public Health SCO or Protection of Groundwater SCO. These SCOs are the most recent published risk- and use-based levels that became effective December 14, 2006. Additionally, soil contaminant levels were compared to NYSDEC's Technical and Administrative Guidance Memorandum 4046 (TAGM 4046) recommended soil cleanup objectives (RSCOs) for inactive hazardous waste sites. The TAGM 4046 soil guidelines are still used by the NYSDEC to assess soil levels at sites outside of the BCP, Environmental Restoration Program, or

inactive hazardous waste disposal site remedial program. Therefore, comparison to the TAGM 4046 criteria is included because some NYSDEC Departments and the New York City Department of Environmental Protection (NYCDEP) continue to use these guidelines to evaluate sites in NYC. Significant findings of the soil boring sample analyses are summarized below:

- Slightly elevated PID readings and petroleum-like odors were observed in the field at boring locations SB-8 and SB-12.
- No VOCs were detected in the soil samples at concentrations exceeding NYSDEC Unrestricted or Restricted Residential Use SCOs or TAGM 4046 RSCOs. The 1,2-Dichloroethane presence in several of the soil samples was due to laboratory contamination. The laboratory has provided documentation confirming that the analysis for this compound is artificially elevated.
- SVOCs were detected at concentrations exceeding NYSDEC Unrestricted and Restricted Residential Use SCOs and TAGM 4046 RSCOs in 3 samples (SB-1 (13-15), SB-3 (12-14) and SB-7 (18-20)) of the 14 soil boring samples. The reporting limits for some SVOCs reported as undetected are slightly above the respective SCO; however, TRC was informed by the laboratory that the reporting limits are the lowest that could be achieved by the analytical method. The SVOCs detected above the comparison criteria consist primarily of carcinogenic polycyclic aromatic hydrocarbons (PAHs). While PAHs are associated with petroleum contamination, they are also commonly detected in urban fill due to fill characteristics and site conditions (e.g., asphalt fragments, urban atmospheric deposition). The highest concentrations of total SVOCs were detected at sample locations SB-1 (13-15). This soil sample was characterized as brown sand, clay and gravel with no PID readings, staining or odors. Soil sample SB-8 (18-20) and SB-12 (11-12) that had the highest observed PID levels and signs of potential petroleum impacts had nondetectable SVOC levels with similar reporting limits.
- No pesticides or PCBs were detected in the soil samples at concentrations exceeding NYSDEC's Unrestricted or Restricted Residential Use SCOs or TAGM 4046 RSCOs. The reporting limits for some pesticide compounds reported as undetected are slightly above the respective SCO; however, TRC was informed by the laboratory that the reporting limits are the lowest that could be achieved by the analytical standard method.
- Metals were not detected at concentrations exceeding NYSDEC Restricted Residential Use SCOs in the 13 samples collected. Several metals, were detected in the soil boring samples at levels above Unrestricted Residential Use SCOs including mercury in five samples, lead in three of the samples, nickel in two samples, and copper and zinc in one sample. Sample SB-6 (15-17) had three metals exceeding Unrestricted Residential Use SCOs and this sample consisted of sand and weathered rock with no signs of potential contamination. Several metals were detected in

the soil boring samples at levels above TAGM NYS background levels including beryllium in all eighteen samples, chromium in all eighteen samples, copper in seven samples, iron in all eighteen samples, nickel in seventeen samples, and zinc in all eighteen samples. Soil sample SB-8 (18-20) that had the highest observed PID level and signs of potential petroleum impacts (staining, odor) had no metals detected above SCOs. Based on the absence of any signs or potential sources of metals contamination related to the Site, these findings are likely indicative of site-specific background metals soil levels related to the native soils and/or urban fill conditions.

4.4 Groundwater Quality

TRC collected groundwater samples at four groundwater monitoring wells installed near historic UST locations at the western end of the Site to assess the presence of any groundwater impacts related to the former known UST operations. The analytical results are summarized on Tables 6 through 9. Groundwater contaminant levels were evaluated by comparison with the State's Ambient Water Quality Standards and Guidance Values for Class GA groundwater, as presented in the Division of Water Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1). Class GA groundwater represents a source of Drinking Water, and represents the groundwater classification that the NYSDEC would likely assign to the Site. Laboratory summary reports for the groundwater samples are presented in Appendix D. Figure 3 shows the groundwater sample locations. Significant findings of the groundwater sample analyses for this Phase II ESA are summarized below.

- One VOC was detected in the groundwater samples and it was detected a concentration just above the respective Class GA drinking water standard. Hexachlorobutadiene was detected at 0.63ug/L, slightly exceeding the Class GA standard of 0.5 ug/L. According to the federal Agency for Toxic Substances and Disease Registry (ATSDR) toxicological profile for this substance, Hexachlorobutadiene does not occur naturally in the environment. It is formed during the processing of other chemicals such as tetrachloroethylene, trichloroethylene, and carbon tetrachloride. Hexachlorobutadiene is an intermediate in the manufacture of rubber compounds and lubricants. It is used as a fluid for gyroscopes, a heat transfer liquid, or a hydraulic fluid. Therefore, TRC does not believe that this finding is related to the former historic UST operations on the Site.
- No SVOCs were detected in the groundwater samples.
- Several metals were detected at concentrations exceeding Class GA standards in each groundwater sample including iron, magnesium, manganese and sodium. Both the total and

dissolved (filtered) metals levels exceeded these standards. All of these metals are naturally occurring metals that are likely related to background soil and bedrock conditions in the area. Other metals detected in at least one of the groundwater samples but at levels below Class GA standards include calcium, copper, and chromium. Calcium was detected in each sample; however, there is no NYS groundwater standard or guidance value for calcium. Copper and chromium were only detected in sample MW-1 located just upgradient of the former gasoline UST along the western side of the Armory building.

- There were no signs of potential petroleum impacts (e.g., sheen, odor, free product) in the groundwater during the development, purging, or sampling of the wells.

4.5 Surficial Soil Quality/Shooting Ranges

TRC collected 18 soil samples from fifteen (15) surficial soil sampling locations for laboratory analysis to characterize total lead conditions at the indoor shooting ranges on the Site. One surficial soil sample was collected from within the 0 to 6 inches below grade at each location, In addition, at three of the locations, collocated samples were collected from multiple depths including TRC-SB-J/10 (0-3") and TRC-SB-O/16 (6"-1'), TRC-SB-K/11 and TRC-SB-Q/17 (screened through sieve), and TRC-SB-E/5 and TRC-SB-R/18 (screened through sieve). All of these samples were analyzed for total lead to assess the lead levels in the soils related to the prior shooting range operations. Of the 18 samples collected, 11 surficial soil samples were also analyzed for TCLP lead to assess leachable lead levels in representative samples from these areas. The surficial soil sample analytical results are summarized in Tables 6 and 7. Laboratory sample data summary reports are presented in Appendix D. Figure 5 shows the indoor shooting range soil sample locations. Soil contaminant levels were evaluated by comparison with the NYSDEC's 6 NYCRR Part 375 Unrestricted Residential Use and Restricted Residential Use Soil Cleanup Objectives SCOs and NYSDEC's TAGM 4046 RSCOs. Significant findings of the soil sample analyses are summarized below:

- The total lead levels of all but one of the soil samples (SB-O/15(0-3")) from the shooting ranges exceed the Unrestricted Residential Use SCO for lead (63 ppm). Of the remaining 17 soil samples, 12 samples had total lead levels that exceeded the Restricted Residential Use SCO (400 ppm) and the TAGM typical urban background upper range (500 ppm). Samples SB-K/11 and SB-E/5 were screened through a sieve in the field to remove large pieces of lead shot from the samples to produce samples SB-Q/17 and SB-R/18, respectively. The total lead concentrations between the sieved and non-sieved samples revealed little to no differences in concentrations. However, the shallow and deep analysis total lead comparison in samples TRC-SB-J/10 (0-3") (2,400 mg/kg) and TRC-SB-P/16 (6"-1') (180 mg/kg) from the same location showed significant differences in total lead concentrations. Also, there was a significant difference in concentration levels with regards to the distance of the sample location from the metal backstop or soil berm.

Generally, the samples collected closer to the metal backstop or soil berm backstop contained a higher concentration of total lead. The exceptions to this finding are samples SB-G/7 (3,200 mg/kg, collected from soil berm backstop) and SB-H/8 (5,500 mg/kg, collected from midway between firing area and berm), which were collected from the same shooting range. This finding may be due to the presence of more lead shot being present in the H/8 sample than the G/7 sample and not necessarily representative of the overall conditions in that range.

- TCLP lead was detected in 10 of the 11 soil samples submitted for this analysis. Representative samples were selected for TCLP testing based on the total lead sample results and consideration of various sample locations and depths in the shooting ranges. Leachable lead concentrations ranged from 1.6 mg/kg in TRC-SB-L/12 (3"-6") to 1,900 mg/kg in TRC-SB-A/1 (3-6"). Eight of these samples had TCLP lead levels that exceed the hazardous waste criterion for characterizing waste. The sieve screened samples TRC-SB-Q/17 and TRC-SB-R/18 showed a minor decrease in leachable concentrations from sieving samples SB-K/11 and SB-E/5. Whereas, a comparison of the leachable lead levels in the shallow and deep samples from the same location, TRC-SB-J/10 (0-3") (100 mg/L) and TRC-SB-P/16 (6"-1') (4.2 mg/L), showed significant differences in leachable lead concentrations.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Three inactive suspect petroleum ASTs are present in the building. One inactive AST located on the drill floor still contains diesel fuel and must be emptied and removed. Two other former ASTs on the subbasement level appeared to be empty; however, they were not completely accessible due to surrounding debris and could not be opened. These tanks must be emptied of any remaining or residual contents and removed. The drums that remain on the site are empty and should be collected and disposed of off site. Any other abandoned containers of unused products (e.g., paints, roofing cement) should also be collected and appropriately disposed of off site.

The test pit investigation confirmed the presence of two former petroleum USTs at the Site that had been closed in place by filling with gravel/sand mixture. The two tanks are located below two concrete covered areas in the parking lot directly west of the Maintenance Building. These are likely the two on-site USTs (3,000 gallon diesel, and 2,000 gallon gasoline) noted in the Phase I ESA report that were closed in September 1993. At another former gasoline UST location west of the Armory building, the survey did not detect a remaining UST; however, an existing guard booth over the suspected former UST location made it impossible to survey the actual suspected former UST location. Although a previous geophysical survey at the same location prior to the construction of the guard booth indicated no remaining UST. The Phase I ESA provides a record indicating that one 225-gallon gasoline UST was closed-removed in 1995 at the Site. This may have been the gasoline tank that was at this location but there is insufficient documentation to confirm if this was the same tank. The Phase I ESA also includes records regarding several spill reports associated with leaking tanks at the Site. The spill reports indicate the removal of tanks and soil contamination; however, there is insufficient information to determine the exact locations of the historic tanks and spills. NYSDEC records or other records sources (e.g., National Guard, Phase I ESA FOIL responses) should be researched further for any additional documentation on the tank closures and associated spills at the Site.

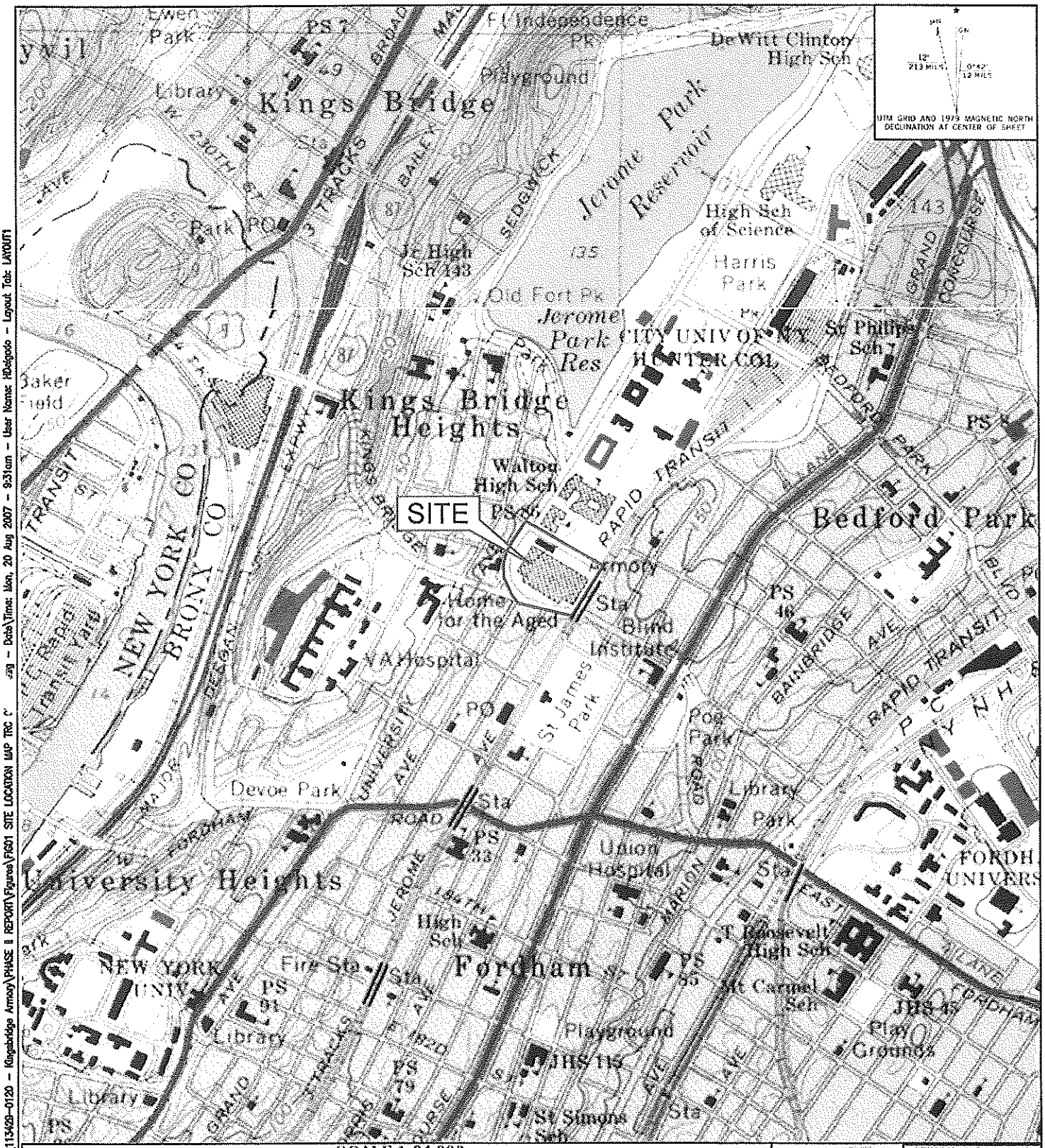
The results of the soil boring investigation around the former petroleum UST location indicate no significant concentrations of VOCs, SVOCs, PCBs, pesticides, or metals in the soils associated with the tanks. Rather, the investigation generally revealed the presence of soils with no signs of petroleum impacts with low levels of SVOCs and metals typically associated with such urban soils. Signs of petroleum impacts (e.g., odors, staining, PID readings) were observed at depths above the groundwater table at two boring locations (SB-8 at 18-20 ftbg, SB-12 at 11-12 ftbg). However, no SVOCs were

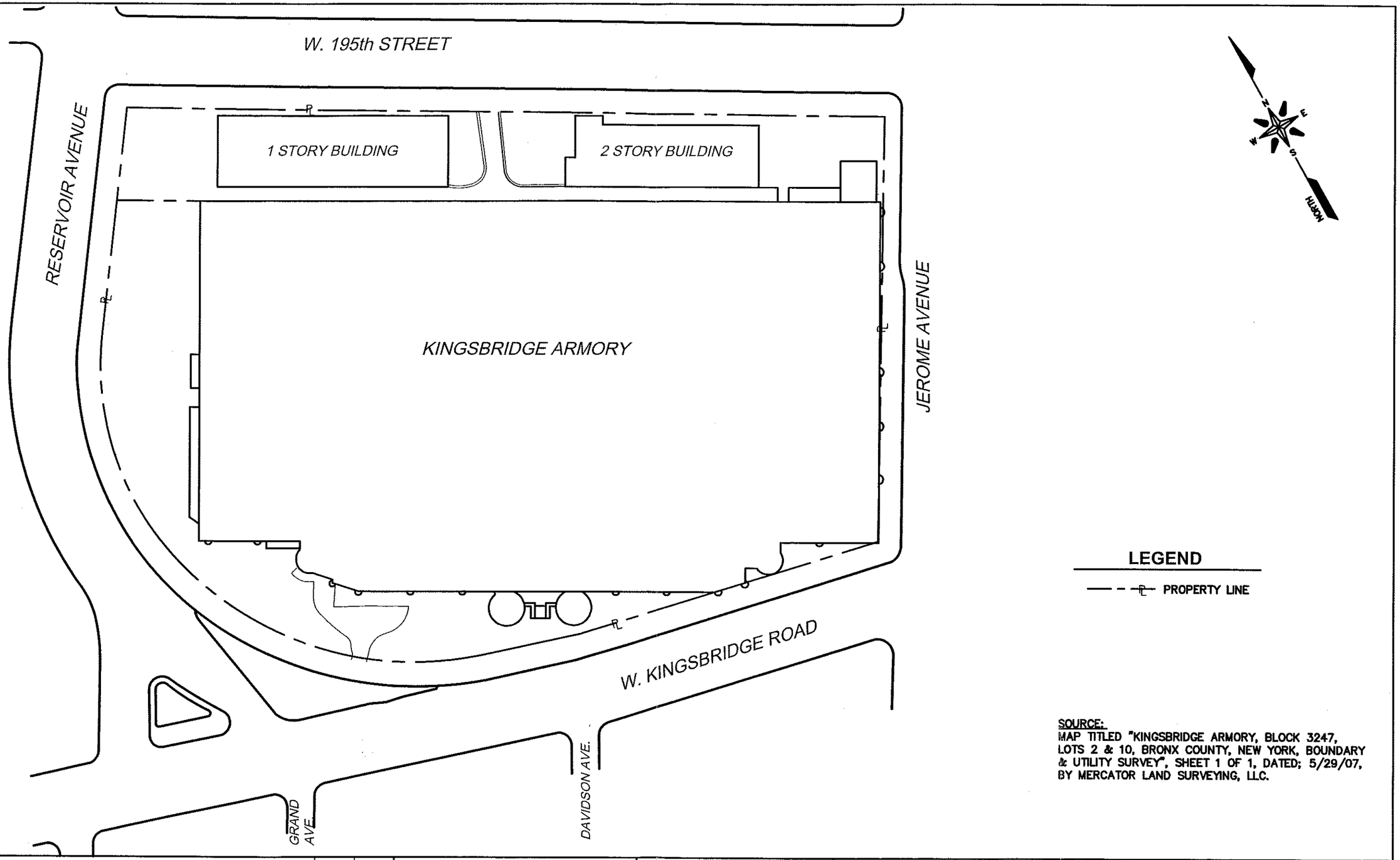
detected in either sample and only low levels of VOCs below established soil cleanup objective were detected in soil sample SB-8.

The results of the groundwater sample analysis indicate no detectable concentrations of SVOCs, pesticides, or PCBs in the groundwater near the former petroleum USTs. A low level of one VOC, hexachlorobutadiene, was detected in one well sample (MW-2) and at a concentration (0.63 ppb) slightly above the respective GA drinking water standard (0.5 ppb). The source of this VOC is unknown; however, it is not believed to be related to the former petroleum USTs on the Site. In addition, there were no signs of potential petroleum impacts (e.g., sheen, odor, free product) in the groundwater during the development, purging, or sampling of the wells. Other than calcium, iron, magnesium, manganese, and sodium, which typically reflect regional groundwater quality, no elevated concentrations of metals were detected in the groundwater. Based on the soil boring and groundwater findings, TRC does not recommend any further soil or groundwater investigations at the former UST locations unless such additional information is required by NYSDEC to close out open spill reports associated with the UST closures.

The indoor shooting range soil testing indicates the presence of elevated concentrations of total and TCLP leachable lead in the soils in the range. The highest lead levels were generally detected in the near surface soils and in the soil mounds located at the ends of several of the ranges. Lower lead levels were also generally detected in soils near the front of the ranges away from the ends where the bullets deflected into the soil floor. A majority of the samples tested for leachable lead levels showed lead levels that exceed hazardous waste characteristic criteria. TRC also observed evidence that there are large amounts of gunshot imbedded in the deteriorated wooden timber wall of the one western-most pistol range. Based on these findings, these soils and wooden timber wall should be removed and properly disposed off site with much of these soils having to be appropriately managed/disposed of as hazardous waste. The physical separation of lead shot from the soils during any removal will likely aid in reducing the soil lead levels, however, the limited screening done under this assessment showed no appreciable reduction.

FIGURES


SITE
Kings Bridge
Kings Bridge Heights
University Heights
Fordham
Bedford Park
Jerome Park Reservoir
Jerome Park Res
Devoe Park
Harris Park
Baker Field
Ewen Park
St James Park
Playground
Library
Union Hospital
Walton High Sch
DeWitt Clinton High Sch
High Sch of Science
Jr High Sch 143
Home for the Aged
V.A. Hospital
Armory
Blind Institute
Fire Sta
Playground
St Simons Sch
Mt Carmel Sch
St Phillips Sch
Old Fort Pk
Grand Concourse
Jerome Ave
Sedgwick Ave
Bailey Ave
Broadway
Fordham Road
University Ave
Major Deegan Expy
Bronx River Pkwy
Cross Bronx Expy
Harlem River Yard
Rapid Transit
Bainbridge Ave
Marion Ave
Webster Ave
Park Ave
Valentine Ave
Kingsbridge Rd
230th St
233rd St
238th St
194th St
Tracks
PS 7
PS 46
PS 33
PS 91
PS 79
PS 55
PS 88
JHS 45
JHS 118
Library
Park
PO
Sta
Res
Pk
Pl
Ter
Ln
Blvd
Expy
Pkwy
Ave
St
Rd
Hts
Yd
Sch
Hosp
Inst
Fld
Gr
Cr
Cir
Ct
Dr
Sq
Pr
Ctr
Jct
Trk
Sta
Pr



SOURCE:
MAP TITLED "KINGSBRIDGE ARMORY, BLOCK 3247, LOTS 2 & 10, BRONX COUNTY, NEW YORK, BOUNDARY & UTILITY SURVEY", SHEET 1 OF 1, DATED; 5/29/07, BY MERCATOR LAND SURVEYING, LLC.

REVISIONS NO.	DESCRIPTION	BY	DATE

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PAPER SIZE: 11" x 17"

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NEW YORK, NEW YORK 10018
212-221-7822

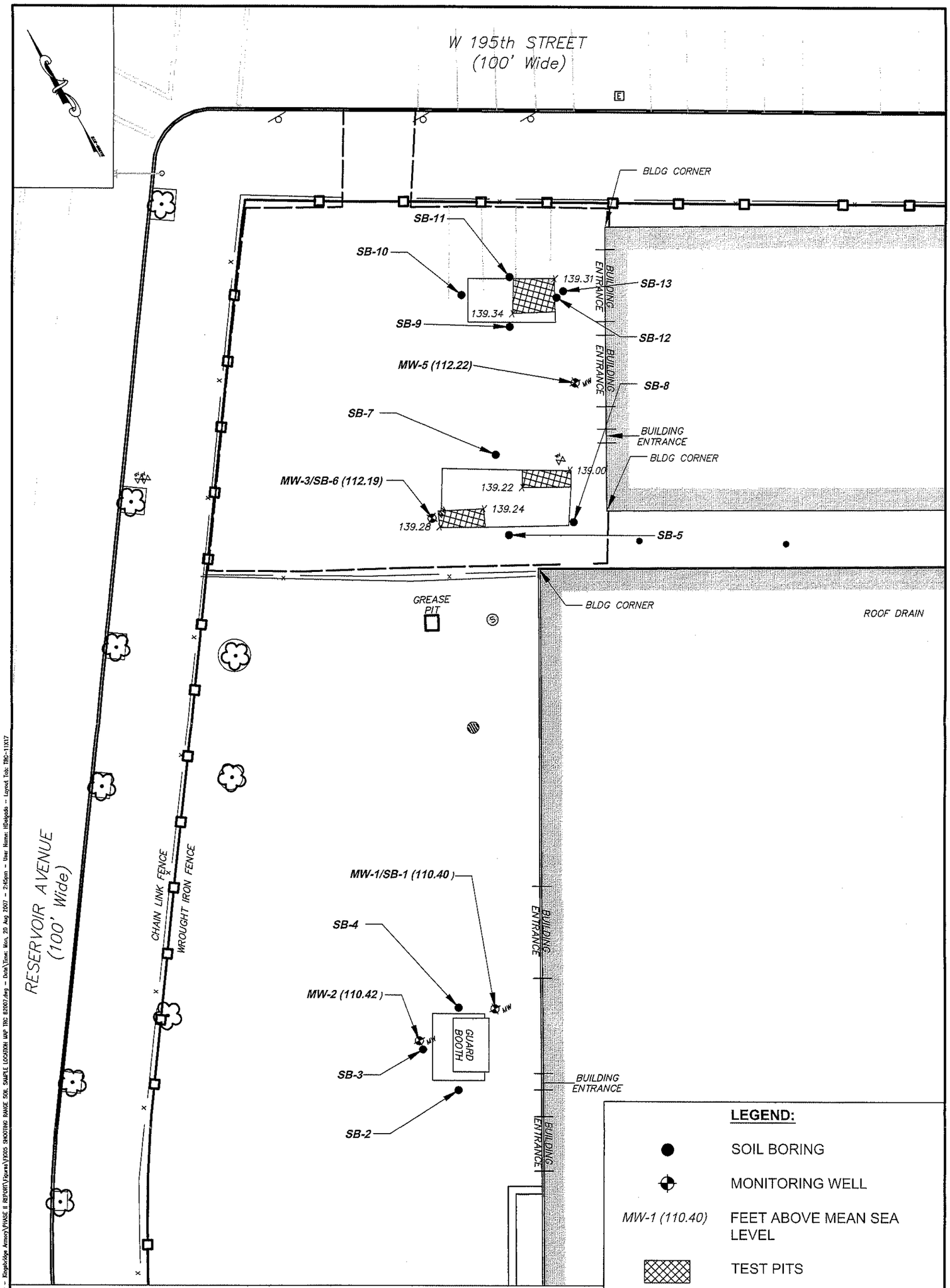
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DATE:	AUGUST 2007
SCALE:	AS SHOWN
PROJECT NUMBER:	113429.0120.0000

PROJECT NAME:
KINGSBRIDGE ARMORY
BRONX , NEW YORK

DRAWING TITLE:
SITE LAYOUT

FIGURE
2

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NOTES:

1. THIS DRAWING IS BASED UPON A COMBINATION OF AERIAL MAPS, FEILD INVESTIGATIONS AND SURVEYS CONDUCTED BY MERCATOR LAND SURVEYING, LLC ENDING ON APRIL 2007 BY AND/OR UNDER THE DIRECT SUPERVISION OF THE UNDERSIGNED SUVEYOR.
2. THE VERTICAL DATUM BASIS IS BOROUGH OF THE BRONX HIGHWAY DATUM WHICH IS 2.608' ABOVE SEA LEVEL AT SANDY HOOK, NEW JERSEY (NGVD29).

0 20 40 FT.

GRAPHIC SCALE: 1"=20'

PAPER SIZE: 17" x 11"

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NEW YORK, NEW YORK 10018
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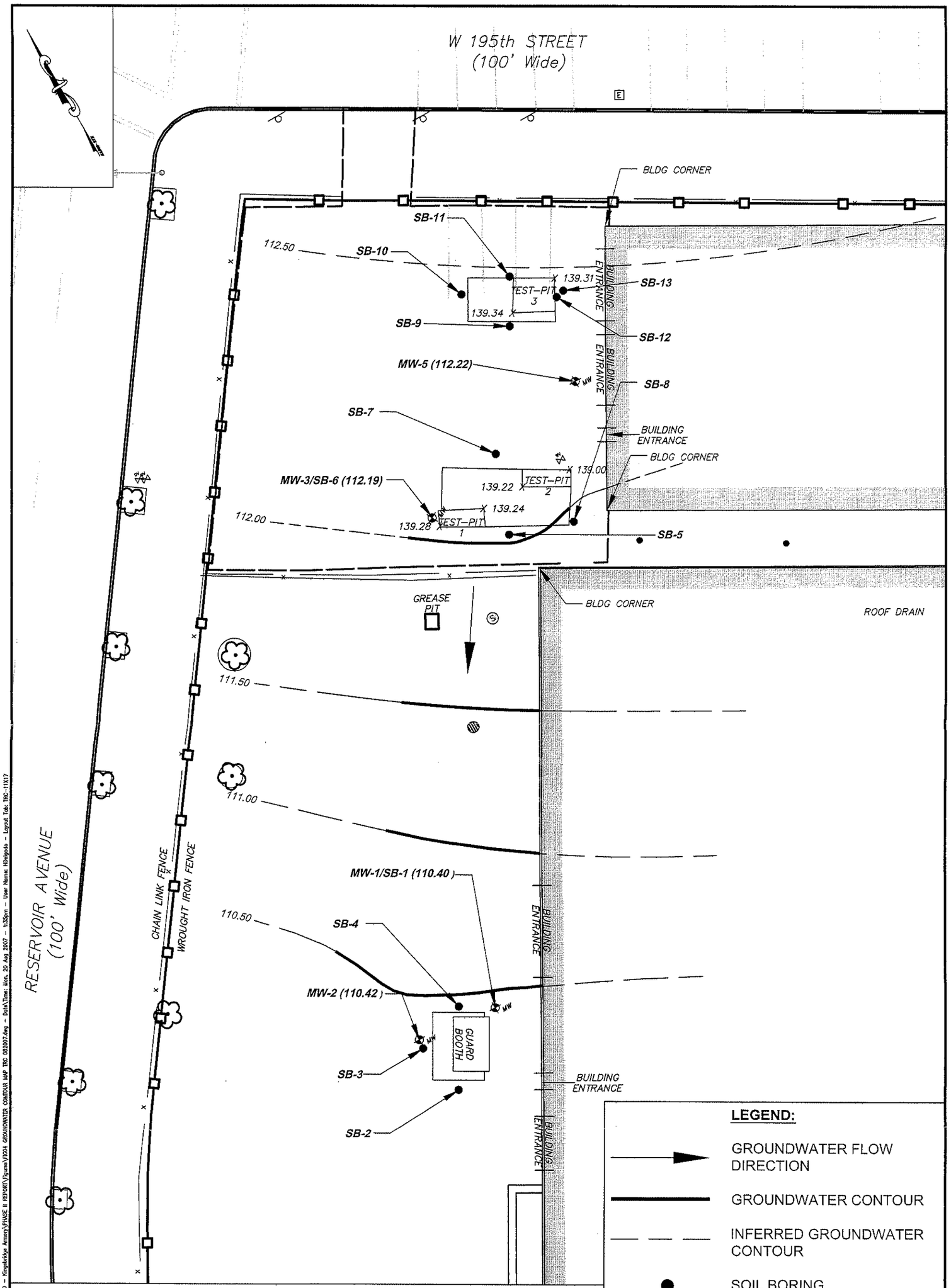
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SCALE: AS SHOWN	
PROJECT NUMBER: 113429.0120.0000	

PROJECT NAME:
KINGSBRIDGE ARMORY
BRONX, NEW YORK

DRAWING TITLE:
SOIL AND GROUNDWATER SAMPLE LOCATION MAP

FIGURE
3

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NOTES:

1. THIS DRAWING IS BASED UPON A COMBINATION OF AERIAL MAPS, FEILD INVESTIGATIONS AND SURVEYS CONDUCTED BY MERCATOR LAND SURVEYING, LLC ENDING ON APRIL 2007 BY AND/OR UNDER THE DIRECT SUPERVISION OF THE UNDERSIGNED SUVEYOR.
2. THE VERTICAL DATUM BASIS IS BOROUGH OF THE BRONX HIGHWAY DATUM WHICH IS 2.608' ABOVE SEA LEVEL AT SANDY HOOK, NEW JERSEY (NGVD29).

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GRAPHIC SCALE: 1"=20'

PAPER SIZE: 17" x 11"

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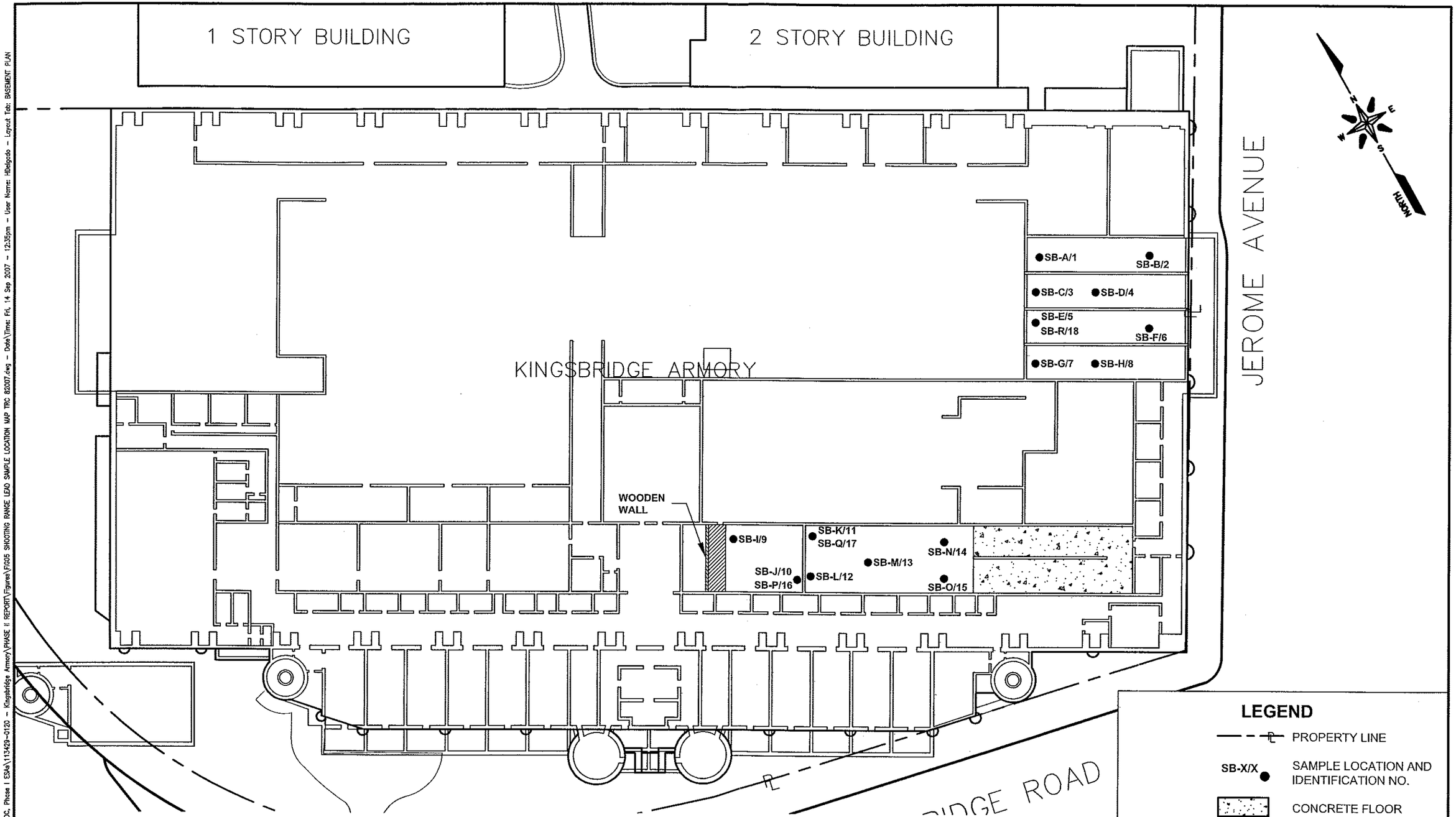
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PROJECT NUMBER: 113429.0120.0000	

PROJECT NAME:
KINGSBRIDGE ARMORY
BRONX, NEW YORK

DRAWING TITLE:
GROUNDWATER CONTOUR MAP
AUGUST 6, 2007

FIGURE
4

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REVISIONS			
NO.	DESCRIPTION	BY	DATE

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GRAPHIC SCALE

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NEW YORK, NEW YORK 10018
212-221-7822

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DATE:	AUGUST 2007
SCALE:	AS SHOWN
PROJECT NUMBER:	113429.0120.0000

PROJECT NAME:
KINGSBRIDGE ARMORY
BRONX , NEW YORK

DRAWING TITLE:
SHOOTING RANGE SOIL SAMPLE LOCATION MAP

FIGURE
5

TABLES

Table 1
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - VOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-1 (13-15) 7/19/2007 L0710362-01 mg/kg	Qual	TRC-SB-2 (13-15) 7/19/2007 L0710362-02 mg/kg	Qual	TRC-SB-3 (12-14) 7/19/2007 L0710362-03 mg/kg	Qual	TRC-SB-4 (7-9) 7/19/2007 L0710362-04 mg/kg	Qual
Volatile Organics by EPA 8260B											
1,1,1,2-Tetrachloroethane	NC	NC	NC	0.0029	U	0.0029	U	0.0029	U	0.0028	U
1,1,1-Trichloroethane	0.8	100	0.68	0.0029	U	0.0029	U	0.0029	U	0.0028	U
1,1,2,2-Tetrachloroethane	0.6	NC	NC	0.0029	U	0.0029	U	0.0029	U	0.0028	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	6	NC	NC	0.057	U	0.058	U	0.057	U	0.056	U
1,1,2-Trichloroethane	NC	NC	NC	0.0043	U	0.0044	U	0.0043	U	0.0042	U
1,1-Dichloroethane	0.2	19	0.27	0.0043	U	0.0044	U	0.0043	U	0.0042	U
1,1-Dichloroethene	0.4	100	0.33	0.0029	U	0.0029	U	0.0029	U	0.0028	U
1,1-Dichloropropene	NC	NC	NC	0.014	U	0.014	U	0.014	U	0.014	U
1,2,3-Trichlorobenzene	NC	NC	NC	0.014	U	0.014	U	0.014	U	0.014	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	0.0029	U	0.0029	U	0.0029	U	0.0028	U
1,2,4-Trichlorobenzene	3.4	NC	NC	0.014	U	0.014	U	0.014	U	0.014	U
1,2,4-Trimethylbenzene	10	47	3.6	0.014	U	0.014	U	0.014	U	0.014	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	0.014	U	0.014	U	0.014	U	0.014	U
1,2-Dibromoethane	NC	NC	NC	0.011	U	0.012	U	0.011	U	0.011	U
1,2-Dichlorobenzene	7.9	100	1.1	0.014	U	0.014	U	0.014	U	0.014	U
1,2-Dichloroethane	0.1	2.3	0.02	0.014		**0.022**		**0.038**		**0.03**	
1,2-Dichloropropane	NC	NC	NC	0.01	U	0.01	U	0.01	U	0.0097	U
1,3,5-Trimethylbenzene	3.3	47	8.4	0.014	U	0.014	U	0.014	U	0.014	U
1,3-Dichlorobenzene	1.6	17	2.4	0.014	U	0.014	U	0.014	U	0.014	U
1,3-Dichloropropane	0.3	NC	NC	0.014	U	0.014	U	0.014	U	0.014	U
1,4-Dichlorobenzene	8.5	9.8	1.8	0.014	U	0.014	U	0.014	U	0.014	U
1,4-Diethylbenzene	NC	NC	NC	0.0029	U	0.0029	U	0.0029	U	0.0028	U
2,2-Dichloropropane	NC	NC	NC	0.014	U	0.014	U	0.014	U	0.014	U
2-Butanone	0.3	100	0.12	0.029	U	0.029	U	0.029	U	0.028	U
2-Hexanone	NC	NC	NC	0.029	U	0.029	U	0.029	U	0.028	U
4-Ethyltoluene	NC	NC	NC	0.0029	U	0.0029	U	0.0029	U	0.0028	U
4-Methyl-2-pentanone	1	NC	NC	0.029	U	0.029	U	0.029	U	0.028	U
Acetone	0.2	100	0.05	0.029	U	0.029	U	0.029	U	0.028	U

TAGM = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandums
Represents restricted residential use prohibits use of single family housing and vegetable gardens. Includes active recreational uses, which are public uses with a reasonable potential for soil contact. Restrictions on the use of groundwater are allowed
U - Concentration less than the minimum laboratory detection limit.
NC - No guidance criteria establised for this compound
Bold values exceed unrestricted residential use.
Shaded values exceed restricted residential use.

Table 1
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - VOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-1 (13-15) 7/19/2007 L0710362-01 mg/kg	Qual	TRC-SB-2 (13-15) 7/19/2007 L0710362-02 mg/kg	Qual	TRC-SB-3 (12-14) 7/19/2007 L0710362-03 mg/kg	Qual	TRC-SB-4 (7-9) 7/19/2007 L0710362-04 mg/kg	Qual
Benzene	**0.06**	**2.9**	**0.06**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Bromobenzene	**NC**	**NC**	**NC**	0.014	U	0.014	U	0.014	U	0.014	U
Bromochloromethane	**NC**	**NC**	**NC**	0.014	U	0.014	U	0.014	U	0.014	U
Bromodichloromethane	**NC**	**NC**	**NC**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Bromoform	**NC**	**NC**	**NC**	0.011	U	0.012	U	0.011	U	0.011	U
Bromomethane	**NC**	**NC**	**NC**	0.0057	U	0.0058	U	0.0057	U	0.0056	U
Carbon disulfide	**2.7**	**NC**	**NC**	0.029	U	0.029	U	0.029	U	0.028	U
Carbon tetrachloride	**0.6**	**1.4**	**0.76**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Chlorobenzene	**1.7**	**100**	**1.1**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Chloroethane	**1.9**	**NC**	**NC**	0.0057	U	0.0058	U	0.0057	U	0.0056	U
Chloroform	**0.3**	**10**	**0.37**	0.0043	U	0.0044	U	0.0043	U	0.0042	U
Chloromethane	**NC**	**NC**	**NC**	0.014	U	0.014	U	0.014	U	0.014	U
cis-1,2-Dichloroethene	**NC**	**59**	**0.25**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
cis-1,3-Dichloropropene	**NC**	**NC**	**NC**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Dibromochloromethane	**NC**	**NC**	**NC**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Dibromomethane	**NC**	**NC**	**NC**	0.029	U	0.029	U	0.029	U	0.028	U
Dichlorodifluoromethane	**NC**	**NC**	**NC**	0.029	U	0.029	U	0.029	U	0.028	U
Ethylbenzene	**5.5**	**30**	**1**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Hexachlorobutadiene	**NC**	**NC**	**NC**	0.014	U	0.014	U	0.014	U	0.014	U
Isopropylbenzene	**2.3**	**NC**	**NC**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Methyl tert butyl ether	**0.12**	**62**	**0.93**	0.0057	U	0.0058	U	0.0057	U	0.0056	U
Methylene chloride	**0.1**	**51**	**0.05**	0.029	U	0.029	U	0.029	U	0.028	U
n-Butylbenzene	**10**	**100**	**12**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
n-Propylbenzene	**3.7**	**100**	**3.9**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Naphthalene	**13**	**100**	**12**	0.014	U	0.014	U	0.014	U	0.014	U
o-Chlorotoluene	**NC**	**NC**	**NC**	0.014	U	0.014	U	0.014	U	0.014	U
o-Xylene	**NC**	**NC**	**NC**	0.0057	U	0.0058	U	0.0057	U	0.0056	U
p-Chlorotoluene	**NC**	**NC**	**NC**	0.014	U	0.014	U	0.014	U	0.014	U
p-Isopropyltoluene	**10**	**NC**	**NC**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
p/m-Xylene	**NC**	**NC**	**NC**	0.0057	U	0.0058	U	0.0057	U	0.0056	U
sec-Butylbenzene	**10**	**100**	**11**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Styrene	**NC**	**NC**	**NC**	0.0057	U	0.0058	U	0.0057	U	0.0056	U
tert-Butylbenzene	**10**	**100**	**5.9**	0.014	U	0.014	U	0.014	U	0.014	U
Tetrachloroethene	**1.4**	**5.5**	**1.3**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Toluene	**1.5**	**100**	**0.7**	0.0043	U	0.0044	U	0.0043	U	0.0042	U
trans-1,2-Dichloroethene	**0.3**	**100**	**0.19**	0.0043	U	0.0044	U	0.0043	U	0.0042	U
trans-1,3-Dichloropropene	**NC**	**NC**	**NC**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Trichloroethene	**0.7**	**10**	**0.47**	0.0029	U	0.0029	U	0.0029	U	0.0028	U
Trichlorofluoromethane	**NC**	**NC**	**NC**	0.014	U	0.014	U	0.014	U	0.014	U
Vinyl acetate	**NC**	**NC**	**NC**	0.029	U	0.029	U	0.029	U	0.028	U
Vinyl chloride	**0.2**	**0.21**	**0.02**	0.0057	U	0.0058	U	0.0057	U	0.0056	U

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Bold values exceed unrestricted residential use.
Shaded values exceed restricted residential use.

Table 1
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - VOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-5 (23-25) 7/19/2007 L0710362-05 mg/kg	Qual	TRC-SB-6 (15-17) 7/19/2007 L0710362-06 mg/kg	Qual	TRC-SB-7 (18-20) 7/19/2007 L0710362-07 mg/kg	Qual	TRC-SB-8 (18-20) 7/19/2007 L0710362-08 mg/kg	Qual
Volatile Organics by EPA 8260B											
1,1,1,2-Tetrachloroethane	NC	NC	NC	0.0029	U	0.0028	U	0.0027	U	0.0029	U
1,1,1-Trichloroethane	0.8	100	0.68	0.0029	U	0.0028	U	0.0027	U	0.0029	U
1,1,2,2-Tetrachloroethane	0.6	NC	NC	0.0029	U	0.0028	U	0.0027	U	0.0029	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	6	NC	NC	0.059	U	0.056	U	0.055	U	0.059	U
1,1,2-Trichloroethane	NC	NC	NC	0.0044	U	0.0042	U	0.0041	U	0.0044	U
1,1-Dichloroethane	0.2	19	0.27	0.0044	U	0.0042	U	0.0041	U	0.0044	U
1,1-Dichloroethene	0.4	100	0.33	0.0029	U	0.0028	U	0.0027	U	0.0029	U
1,1-Dichloropropene	NC	NC	NC	0.015	U	0.014	U	0.014	U	0.015	U
1,2,3-Trichlorobenzene	NC	NC	NC	0.015	U	0.014	U	0.014	U	0.015	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	0.0029	U	0.0028	U	0.0027	U	0.032	
1,2,4-Trichlorobenzene	3.4	NC	NC	0.015	U	0.014	U	0.014	U	0.015	U
1,2,4-Trimethylbenzene	10	47	3.6	0.015	U	0.014	U	0.014	U	0.015	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	0.015	U	0.014	U	0.014	U	0.015	U
1,2-Dibromoethane	NC	NC	NC	0.012	U	0.011	U	0.011	U	0.012	U
1,2-Dichlorobenzene	7.9	100	1.1	0.015	U	0.014	U	0.014	U	0.015	U
1,2-Dichloroethane	0.1	2.3	0.02	**0.039**		**0.017**		**0.023**		0.01	
1,2-Dichloropropane	NC	NC	NC	0.01	U	0.0097	U	0.0096	U	0.01	U
1,3,5-Trimethylbenzene	3.3	47	8.4	0.015	U	0.014	U	0.014	U	0.015	U
1,3-Dichlorobenzene	1.6	17	2.4	0.015	U	0.014	U	0.014	U	0.015	U
1,3-Dichloropropane	0.3	NC	NC	0.015	U	0.014	U	0.014	U	0.015	U
1,4-Dichlorobenzene	8.5	9.8	1.8	0.015	U	0.014	U	0.014	U	0.015	U
1,4-Dicthylbenzene	NC	NC	NC	0.0029	U	0.0028	U	0.0027	U	0.0042	
2,2-Dichloropropane	NC	NC	NC	0.015	U	0.014	U	0.014	U	0.015	U
2-Butanone	0.3	100	0.12	0.029	U	0.028	U	0.027	U	0.029	U
2-Hexanone	NC	NC	NC	0.029	U	0.028	U	0.027	U	0.029	U
4-Ethyltoluene	NC	NC	NC	0.0029	U	0.0028	U	0.0027	U	0.0029	U
4-Methyl-2-pentanone	1	NC	NC	0.029	U	0.028	U	0.027	U	0.029	U
Acetone	0.2	100	0.05	0.029	U	0.028	U	0.027	U	0.038	

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Table 1
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - VOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-5 (23-25) 7/19/2007 L0710362-05 mg/kg	Qual	TRC-SB-6 (15-17) 7/19/2007 L0710362-06 mg/kg	Qual	TRC-SB-7 (18-20) 7/19/2007 L0710362-07 mg/kg	Qual	TRC-SB-8 (18-20) 7/19/2007 L0710362-08 mg/kg	Qual
Benzene	**0.06**	**2.9**	**0.06**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Bromobenzene	**NC**	**NC**	**NC**	0.015	U	0.014	U	0.014	U	0.015	U
Bromochloromethane	**NC**	**NC**	**NC**	0.015	U	0.014	U	0.014	U	0.015	U
Bromodichloromethane	**NC**	**NC**	**NC**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Bromoform	**NC**	**NC**	**NC**	0.012	U	0.011	U	0.011	U	0.012	U
Bromomethane	**NC**	**NC**	**NC**	0.0059	U	0.0056	U	0.0055	U	0.0059	U
Carbon disulfide	**2.7**	**NC**	**NC**	0.029	U	0.028	U	0.027	U	0.029	U
Carbon tetrachloride	**0.6**	**1.4**	**0.76**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Chlorobenzene	**1.7**	**100**	**1.1**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Chloroethane	**1.9**	**NC**	**NC**	0.0059	U	0.0056	U	0.0055	U	0.0059	U
Chloroform	**0.3**	**10**	**0.37**	0.0044	U	0.0042	U	0.0041	U	0.0044	U
Chloromethane	**NC**	**NC**	**NC**	0.015	U	0.014	U	0.014	U	0.015	U
cis-1,2-Dichloroethene	**NC**	**59**	**0.25**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
cis-1,3-Dichloropropene	**NC**	**NC**	**NC**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Dibromochloromethane	**NC**	**NC**	**NC**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Dibromomethane	**NC**	**NC**	**NC**	0.029	U	0.028	U	0.027	U	0.029	U
Dichlorodifluoromethane	**NC**	**NC**	**NC**	0.029	U	0.028	U	0.027	U	0.029	U
Ethylbenzene	**5.5**	**30**	**1**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Hexachlorobutadiene	**NC**	**NC**	**NC**	0.015	U	0.014	U	0.014	U	0.015	U
Isopropylbenzene	**2.3**	**NC**	**NC**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Methyl tert butyl ether	**0.12**	**62**	**0.93**	0.0059	U	0.0056	U	0.0055	U	0.0059	U
Methylene chloride	**0.1**	**51**	**0.05**	0.029	U	0.028	U	0.027	U	0.029	U
n-Butylbenzene	**10**	**100**	**12**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
n-Propylbenzene	**3.7**	**100**	**3.9**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Naphthalene	**13**	**100**	**12**	0.015	U	0.014	U	0.014	U	0.015	U
o-Chlorotoluene	**NC**	**NC**	**NC**	0.015	U	0.014	U	0.014	U	0.015	U
o-Xylene	**NC**	**NC**	**NC**	0.0059	U	0.0056	U	0.0055	U	0.0059	U
p-Chlorotoluene	**NC**	**NC**	**NC**	0.015	U	0.014	U	0.014	U	0.015	U
p-Isopropyltoluene	**10**	**NC**	**NC**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
p/m-Xylene	**NC**	**NC**	**NC**	0.0059	U	0.0056	U	0.0055	U	0.0059	U
sec-Butylbenzene	**10**	**100**	**11**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Styrene	**NC**	**NC**	**NC**	0.0059	U	0.0056	U	0.0055	U	0.0059	U
tert-Butylbenzene	**10**	**100**	**5.9**	0.015	U	0.014	U	0.014	U	0.015	U
Tetrachloroethene	**1.4**	**5.5**	**1.3**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Toluene	**1.5**	**100**	**0.7**	0.0044	U	0.0042	U	0.0041	U	0.0044	U
trans-1,2-Dichloroethene	**0.3**	**100**	**0.19**	0.0044	U	0.0042	U	0.0041	U	0.0044	U
trans-1,3-Dichloropropene	**NC**	**NC**	**NC**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Trichloroethene	**0.7**	**10**	**0.47**	0.0029	U	0.0028	U	0.0027	U	0.0029	U
Trichlorofluoromethane	**NC**	**NC**	**NC**	0.015	U	0.014	U	0.014	U	0.015	U
Vinyl acetate	**NC**	**NC**	**NC**	0.029	U	0.028	U	0.027	U	0.029	U
Vinyl chloride	**0.2**	**0.21**	**0.02**	0.0059	U	0.0056	U	0.0055	U	0.0059	U

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Table 1
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - VOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-8 (23-25) 7/19/2007 L0710362-09 mg/kg	Qual	TRC-SB-9 (24-26) 7/19/2007 L0710362-10 mg/kg	Qual	TRC-SB-10 (16-18) 7/19/2007 L0710362-11 mg/kg	Qual	TRC-SB-11 (10-12) 7/19/2007 L0710362-12 mg/kg	Qual
Volatile Organics by EPA 8260B											
1,1,1,2-Tetrachloroethane	NC	NC	NC	0.0029	U	0.0026	U	0.0027	U	0.0026	U
1,1,1-Trichloroethane	0.8	100	0.68	0.0029	U	0.0026	U	0.0027	U	0.0026	U
1,1,2,2-Tetrachloroethane	0.6	NC	NC	0.0029	U	0.0026	U	0.0027	U	0.0026	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	6	NC	NC	0.059	U	0.053	U	0.054	U	0.053	U
1,1,2-Trichloroethane	NC	NC	NC	0.0044	U	0.004	U	0.0041	U	0.004	U
1,1-Dichloroethane	0.2	19	0.27	0.0044	U	0.004	U	0.0041	U	0.004	U
1,1-Dichloroethene	0.4	100	0.33	0.0029	U	0.0026	U	0.0027	U	0.0026	U
1,1-Dichloropropene	NC	NC	NC	0.015	U	0.013	U	0.014	U	0.013	U
1,2,3-Trichlorobenzene	NC	NC	NC	0.015	U	0.013	U	0.014	U	0.013	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	0.0068		0.0026	U	0.0027	U	0.0026	U
1,2,4-Trichlorobenzene	3.4	NC	NC	0.015	U	0.013	U	0.014	U	0.013	U
1,2,4-Trimethylbenzene	10	47	3.6	0.015	U	0.013	U	0.014	U	0.013	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	0.015	U	0.013	U	0.014	U	0.013	U
1,2-Dibromoethane	NC	NC	NC	0.012	U	0.011	U	0.011	U	0.011	U
1,2-Dichlorobenzene	7.9	100	1.1	0.015	U	0.013	U	0.014	U	0.013	U
1,2-Dichloroethane	0.1	2.3	0.02	**0.043**		**0.051**		**0.047**		**0.035**	
1,2-Dichloropropane	NC	NC	NC	0.01	U	0.0093	U	0.0095	U	0.0093	U
1,3,5-Trimethylbenzene	3.3	47	8.4	0.015	U	0.013	U	0.014	U	0.013	U
1,3-Dichlorobenzene	1.6	17	2.4	0.015	U	0.013	U	0.014	U	0.013	U
1,3-Dichloropropane	0.3	NC	NC	0.015	U	0.013	U	0.014	U	0.013	U
1,4-Dichlorobenzene	8.5	9.8	1.8	0.015	U	0.013	U	0.014	U	0.013	U
1,4-Diethylbenzene	NC	NC	NC	0.0029	U	0.0026	U	0.0027	U	0.0026	U
2,2-Dichloropropane	NC	NC	NC	0.015	U	0.013	U	0.014	U	0.013	U
2-Butanone	0.3	100	0.12	0.029	U	0.026	U	0.027	U	0.026	U
2-Hexanone	NC	NC	NC	0.029	U	0.026	U	0.027	U	0.026	U
4-Ethyltoluene	NC	NC	NC	0.0029	U	0.0026	U	0.0027	U	0.0026	U
4-Methyl-2-pentanone	1	NC	NC	0.029	U	0.026	U	0.027	U	0.026	U
Acetone	0.2	100	0.05	0.029	U	0.026	U	0.027	U	0.026	U

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Table 1
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - VOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-8 (23-25) 7/19/2007 L0710362-09 mg/kg	Qual	TRC-SB-9 (24-26) 7/19/2007 L0710362-10 mg/kg	Qual	TRC-SB-10 (16-18) 7/19/2007 L0710362-11 mg/kg	Qual	TRC-SB-11 (10-12) 7/19/2007 L0710362-12 mg/kg	Qual
Benzene	**0.06**	**2.9**	**0.06**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Bromobenzene	**NC**	**NC**	**NC**	0.015	U	0.013	U	0.014	U	0.013	U
Bromochloromethane	**NC**	**NC**	**NC**	0.015	U	0.013	U	0.014	U	0.013	U
Bromodichloromethane	**NC**	**NC**	**NC**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Bromoform	**NC**	**NC**	**NC**	0.012	U	0.011	U	0.011	U	0.011	U
Bromomethane	**NC**	**NC**	**NC**	0.0059	U	0.0053	U	0.0054	U	0.0053	U
Carbon disulfide	**2.7**	**NC**	**NC**	0.029	U	0.026	U	0.027	U	0.026	U
Carbon tetrachloride	**0.6**	**1.4**	**0.76**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Chlorobenzene	**1.7**	**100**	**1.1**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Chloroethane	**1.9**	**NC**	**NC**	0.0059	U	0.0053	U	0.0054	U	0.0053	U
Chloroform	**0.3**	**10**	**0.37**	0.0044	U	0.004	U	0.0041	U	0.004	U
Chloromethane	**NC**	**NC**	**NC**	0.015	U	0.013	U	0.014	U	0.013	U
cis-1,2-Dichloroethene	**NC**	**59**	**0.25**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
cis-1,3-Dichloropropene	**NC**	**NC**	**NC**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Dibromochloromethane	**NC**	**NC**	**NC**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Dibromomethane	**NC**	**NC**	**NC**	0.029	U	0.026	U	0.027	U	0.026	U
Dichlorodifluoromethane	**NC**	**NC**	**NC**	0.029	U	0.026	U	0.027	U	0.026	U
Ethylbenzene	**5.5**	**30**	**1**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Hexachlorobutadiene	**NC**	**NC**	**NC**	0.015	U	0.013	U	0.014	U	0.013	U
Isopropylbenzene	**2.3**	**NC**	**NC**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Methyl tert butyl ether	**0.12**	**62**	**0.93**	0.0059	U	0.0053	U	0.0054	U	0.0053	U
Methylene chloride	**0.1**	**51**	**0.05**	0.029	U	0.026	U	0.027	U	0.026	U
n-Butylbenzene	**10**	**100**	**12**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
n-Propylbenzene	**3.7**	**100**	**3.9**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Naphthalene	**13**	**100**	**12**	0.015	U	0.013	U	0.014	U	0.013	U
o-Chlorotoluene	**NC**	**NC**	**NC**	0.015	U	0.013	U	0.014	U	0.013	U
o-Xylene	**NC**	**NC**	**NC**	0.0059	U	0.0053	U	0.0054	U	0.0053	U
p-Chlorotoluene	**NC**	**NC**	**NC**	0.015	U	0.013	U	0.014	U	0.013	U
p-Isopropyltoluene	**10**	**NC**	**NC**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
p/m-Xylene	**NC**	**NC**	**NC**	0.0059	U	0.0053	U	0.0054	U	0.0053	U
sec-Butylbenzene	**10**	**100**	**11**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Styrene	**NC**	**NC**	**NC**	0.0059	U	0.0053	U	0.0054	U	0.0053	U
tert-Butylbenzene	**10**	**100**	**5.9**	0.015	U	0.013	U	0.014	U	0.013	U
Tetrachloroethene	**1.4**	**5.5**	**1.3**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Toluene	**1.5**	**100**	**0.7**	0.0044	U	0.004	U	0.0041	U	0.004	U
trans-1,2-Dichloroethene	**0.3**	**100**	**0.19**	0.0044	U	0.004	U	0.0041	U	0.004	U
trans-1,3-Dichloropropene	**NC**	**NC**	**NC**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Trichloroethene	**0.7**	**10**	**0.47**	0.0029	U	0.0026	U	0.0027	U	0.0026	U
Trichlorofluoromethane	**NC**	**NC**	**NC**	0.015	U	0.013	U	0.014	U	0.013	U
Vinyl acetate	**NC**	**NC**	**NC**	0.029	U	0.026	U	0.027	U	0.026	U
Vinyl chloride	**0.2**	**0.21**	**0.02**	0.0059	U	0.0053	U	0.0054	U	0.0053	U

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Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - VOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-12 (11-12) 7/19/2007 L0710362-13 mg/kg	Qual	TRC-SB-13 (15-17) 7/19/2007 L0710362-15 mg/kg	Qual
Volatile Organics by EPA 8260B							
1,1,1,2-Tetrachloroethane	NC	NC	NC	0.0026	U	0.0027	U
1,1,1-Trichloroethane	0.8	100	0.68	0.0026	U	0.0027	U
1,1,2,2-Tetrachloroethane	0.6	NC	NC	0.0026	U	0.0027	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	6	NC	NC	0.053	U	0.054	U
1,1,2-Trichloroethane	NC	NC	NC	0.004	U	0.0041	U
1,1-Dichloroethane	0.2	19	0.27	0.004	U	0.0041	U
1,1-Dichloroethene	0.4	100	0.33	0.0026	U	0.0027	U
1,1-Dichloropropene	NC	NC	NC	0.013	U	0.014	U
1,2,3-Trichlorobenzene	NC	NC	NC	0.013	U	0.014	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	0.0026	U	0.0027	U
1,2,4-Trichlorobenzene	3.4	NC	NC	0.013	U	0.014	U
1,2,4-Trimethylbenzene	10	47	3.6	0.013	U	0.014	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	0.013	U	0.014	U
1,2-Dibromoethane	NC	NC	NC	0.011	U	0.011	U
1,2-Dichlorobenzene	7.9	100	1.1	0.013	U	0.014	U
1,2-Dichloroethane	0.1	2.3	0.02	**0.082**		0.0027	U
1,2-Dichloropropane	NC	NC	NC	0.0093	U	0.0095	U
1,3,5-Trimethylbenzene	3.3	47	8.4	0.013	U	0.014	U
1,3-Dichlorobenzene	1.6	17	2.4	0.013	U	0.014	U
1,3-Dichloropropane	0.3	NC	NC	0.013	U	0.014	U
1,4-Dichlorobenzene	8.5	9.8	1.8	0.013	U	0.014	U
1,4-Diethylbenzene	NC	NC	NC	0.0026	U	0.0027	U
2,2-Dichloropropane	NC	NC	NC	0.013	U	0.014	U
2-Butanone	0.3	100	0.12	0.026	U	0.027	U
2-Hexanone	NC	NC	NC	0.026	U	0.027	U
4-Ethyltoluene	NC	NC	NC	0.0026	U	0.0027	U
4-Methyl-2-pentanone	1	NC	NC	0.026	U	0.027	U
Acetone	0.2	100	0.05	0.026	U	0.027	U

TAGM = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandums
Represents restricted residential use prohibits use of single family housing and vegetable gardens. Includes active recreational uses, which are public uses with a reasonable potential for soil contact. Restrictions on the use of groundwater are allowed
U - Concentration less than the minimum laboratory detection limit.
NC - No guidance criteria establised for this compound
Bold values exceed unrestricted residential use.
Shaded values exceed restricted residential use.

Table 1
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - VOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-12 (11-12) 7/19/2007 L0710362-13 mg/kg	Qual	TRC-SB-13 (15-17) 7/19/2007 L0710362-15 mg/kg	Qual
Benzene	**0.06**	**2.9**	**0.06**	0.0026	U	0.0027	U
Bromobenzene	**NC**	**NC**	**NC**	0.013	U	0.014	U
Bromochloromethane	**NC**	**NC**	**NC**	0.013	U	0.014	U
Bromodichloromethane	**NC**	**NC**	**NC**	0.0026	U	0.0027	U
Bromoform	**NC**	**NC**	**NC**	0.011	U	0.011	U
Bromomethane	**NC**	**NC**	**NC**	0.0053	U	0.0054	U
Carbon disulfide	**2.7**	**NC**	**NC**	0.026	U	0.027	U
Carbon tetrachloride	**0.6**	**1.4**	**0.76**	0.0026	U	0.0027	U
Chlorobenzene	**1.7**	**100**	**1.1**	0.0026	U	0.0027	U
Chloroethane	**1.9**	**NC**	**NC**	0.0053	U	0.0054	U
Chloroform	**0.3**	**10**	**0.37**	0.004	U	0.0041	U
Chloromethane	**NC**	**NC**	**NC**	0.013	U	0.014	U
cis-1,2-Dichloroethene	**NC**	**59**	**0.25**	0.0026	U	0.0027	U
cis-1,3-Dichloropropene	**NC**	**NC**	**NC**	0.0026	U	0.0027	U
Dibromochloromethane	**NC**	**NC**	**NC**	0.0026	U	0.0027	U
Dibromomethane	**NC**	**NC**	**NC**	0.026	U	0.027	U
Dichlorodifluoromethane	**NC**	**NC**	**NC**	0.026	U	0.027	U
Ethylbenzene	**5.5**	**30**	**1**	0.0026	U	0.0027	U
Hexachlorobutadiene	**NC**	**NC**	**NC**	0.013	U	0.014	U
Isopropylbenzene	**2.3**	**NC**	**NC**	0.0026	U	0.0027	U
Methyl tert butyl ether	**0.12**	**62**	**0.93**	0.0053	U	0.0054	U
Methylene chloride	**0.1**	**51**	**0.05**	0.026	U	0.027	U
n-Butylbenzene	**10**	**100**	**12**	0.0026	U	0.0027	U
n-Propylbenzene	**3.7**	**100**	**3.9**	0.0026	U	0.0027	U
Naphthalene	**13**	**100**	**12**	0.013	U	0.014	U
o-Chlorotoluene	**NC**	**NC**	**NC**	0.013	U	0.014	U
o-Xylene	**NC**	**NC**	**NC**	0.0053	U	0.0054	U
p-Chlorotoluene	**NC**	**NC**	**NC**	0.013	U	0.014	U
p-Isopropyltoluene	**10**	**NC**	**NC**	0.0026	U	0.0027	U
p/m-Xylene	**NC**	**NC**	**NC**	0.0053	U	0.0054	U
sec-Butylbenzene	**10**	**100**	**11**	0.0026	U	0.0027	U
Styrene	**NC**	**NC**	**NC**	0.0053	U	0.0054	U
tert-Butylbenzene	**10**	**100**	**5.9**	0.013	U	0.014	U
Tetrachloroethene	**1.4**	**5.5**	**1.3**	0.0026	U	0.0027	U
Toluene	**1.5**	**100**	**0.7**	0.004	U	0.0041	U
trans-1,2-Dichloroethene	**0.3**	**100**	**0.19**	0.004	U	0.0041	U
trans-1,3-Dichloropropene	**NC**	**NC**	**NC**	0.0026	U	0.0027	U
Trichloroethene	**0.7**	**10**	**0.47**	0.0026	U	0.0027	U
Trichlorofluoromethane	**NC**	**NC**	**NC**	0.013	U	0.014	U
Vinyl acetate	**NC**	**NC**	**NC**	0.026	U	0.027	U
Vinyl chloride	**0.2**	**0.21**	**0.02**	0.0053	U	0.0054	U

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U - Concentration less than the minimum laboratory detection limit.
NC - No guidance criteria establised for this compound
Bold values exceed unrestricted residential use.
Shaded values exceed restricted residential use.

Table 2
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - SVOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-1 (13-15) 7/19/2007 L0710362-01 mg/kg	Qual	TRC-SB-2 (13-15) 7/19/2007 L0710362-02 mg/kg	Qual	TRC-SB-3 (12-14) 7/19/2007 L0710362-03 mg/kg	Qual	TRC-SB-4 (7-9) 7/19/2007 L0710362-04 mg/kg	Qual
Semivolatile Organics by EPA 8270C											
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	7.7	U	1.6	U	1.5	U	15	U
1,2,4-Trichlorobenzene	3.4	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
1,2-Dichlorobenzene	7.9	100	1.1	1.9	U	0.39	U	0.38	U	3.7	U
1,3-Dichlorobenzene	1.6	17	2.4	1.9	U	0.39	U	0.38	U	3.7	U
1,4-Dichlorobenzene	8.5	9.8	1.8	1.9	U	0.39	U	0.38	U	3.7	U
2,4,5-Trichlorophenol	0.1	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
2,4,6-Trichlorophenol	NC	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
2,4-Dichlorophenol	0.4	NC	NC	3.8	U	0.78	U	0.77	U	7.4	U
2,4-Dimethylphenol	NC	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
2,4-Dinitrophenol	0.2	NC	NC	7.7	U	1.6	U	1.5	U	15	U
2,4-Dinitrotoluene	NC	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
2,6-Dinitrotoluene	1	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
2-Chloronaphthalene	NC	NC	NC	2.3	U	0.46	U	0.46	U	4.4	U
2-Chlorophenol	0.8	NC	NC	2.3	U	0.46	U	0.46	U	4.4	U
2-Methylnaphthalene	36.4	NC	NC	8.6		0.39	U	0.38	U	3.7	U
2-Methylphenol	0.1	100	0.33	2.3	U	0.46	U	0.46	U	4.4	U
2-Nitroaniline	0.43	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
2-Nitrophenol	0.33	NC	NC	7.7	U	1.6	U	1.5	U	15	U
3,3'-Dichlorobenzidine	NC	NC	NC	3.8	U	0.78	U	0.77	U	7.4	U
3-Methylphenol/4-Methylphenol	NC	34	0.33	2.3	U	0.46	U	0.46	U	4.4	U
3-Nitroaniline	0.5	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
4,6-Dinitro-o-cresol	NC	NC	NC	7.7	U	1.6	U	1.5	U	15	U
4-Bromophenyl phenyl ether	NC	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
4-Chloroaniline	0.22	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
4-Chlorophenyl phenyl ether	NC	NC	NC	1.9	U	0.39	U	0.38	U	3.7	U
4-Nitroaniline	NC	NC	NC	2.7	U	0.54	U	0.54	U	5.2	U
4-Nitrophenol	0.1	NC	NC	3.8	U	0.78	U	0.77	U	7.4	U
Acenaphthene	50	100	20	13		0.39	U	0.38	U	3.7	U
Acenaphthylene	41	100	100	1.9	U	0.39	U	0.38	U	3.7	U
Acetophenone	NC	NC	NC	7.7	U	1.6	U	1.5	U	15	U
Anthracene	50	100	100	40		0.39	U	0.38	U	3.7	U

Table 2
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - SVOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-1 (13-15) 7/19/2007 L0710362-01 mg/kg	Qual	TRC-SB-2 (13-15) 7/19/2007 L0710362-02 mg/kg	Qual	TRC-SB-3 (12-14) 7/19/2007 L0710362-03 mg/kg	Qual	TRC-SB-4 (7-9) 7/19/2007 L0710362-04 mg/kg	Qual
Benzo(a)anthracene	**0.224**	**1**	**1**	*40*		0.39	U	0.84		3.7	U
Benzo(a)pyrene	**0.061**	**1**	**1**	*27*		0.39	U	0.73		3.7	U
Benzo(b)fluoranthene	**1.1**	**1**	**1**	*37*		0.39	U	0.6		3.7	U
Benzo(ghi)perylene	**50**	**100**	**100**	16		0.39	U	0.38		3.7	U
Benzo(k)fluoranthene	**1.1**	**1**	**0.8**	*14*		0.39	U	0.64		3.7	U
Benzoic Acid	**2.7**	**NC**	**NC**	19	U	3.9	U	3.8	U	37	U
Benzyl Alcohol	**NC**	**NC**	**NC**	3.8	U	0.78	U	0.77	U	7.4	U
Biphenyl	**NC**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Bis(2-chloroethoxy)methane	**NC**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Bis(2-chloroethyl)ether	**NC**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Bis(2-chloroisopropyl)ether	**NC**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Bis(2-Ethylhexyl)phthalate	**50**	**NC**	**NC**	3.8	U	0.78	U	0.77	U	7.4	U
Butyl benzyl phthalate	**50**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Carbazole	**NC**	**NC**	**NC**	16		0.39	U	0.38	U	3.7	U
Chrysene	**0.4**	**1**	**1**	*34*		0.39	U	0.7		3.7	U
Di-n-butylphthalate	**8.1**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Di-n-octylphthalate	**50**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Dibenzo(a,h)anthracene	**0.0143**	**0.33**	**0.33**	*5.2*		0.39	U	0.38	U	3.7	U
Dibenzofuran	**6.2**	**14**	**7**	*22*		0.39	U	0.38	U	3.7	U
Diethyl phthalate	**7.1**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Dimethyl phthalate	**2**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Fluoranthene	**50**	**100**	**100**	*110*		0.39	U	1.3		3.7	U
Fluorene	**50**	**100**	**30**	18		0.39	U	0.38	U	3.7	U
Hexachlorobenzene	**0.41**	**0.33**	**0.33**	1.9	U	0.39	U	0.38	U	3.7	U
Hexachlorobutadiene	**NC**	**NC**	**NC**	3.8	U	0.78	U	0.77	U	7.4	U
Hexachlorocyclopentadiene	**NC**	**NC**	**NC**	3.8	U	0.78	U	0.77	U	7.4	U
Hexachloroethane	**NC**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Indeno(1,2,3-cd)Pyrene	**3.2**	**0.5**	**0.5**	*19*		0.39	U	0.58		3.7	U
Isophorone	**4.4**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
n-Nitrosodi-n-propylamine	**NC**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Naphthalene	**13**	**100**	**12**	*15*		0.39	U	0.38	U	3.7	U
Nitrobenzene	**0.2**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
NitrosoDiPhenylAmine(NDPA)/DPA	**NC**	**NC**	**NC**	5.7	U	1.2	U	1.1	U	11	U
P-Chloro-M-Cresol	**0.24**	**NC**	**NC**	1.9	U	0.39	U	0.38	U	3.7	U
Pentachlorophenol	**1**	**2.4**	**0.8**	7.7	U	1.6	U	1.5	U	15	U
Phenanthrene	**50**	**100**	**100**	*140*		0.39	U	0.38		3.7	U
Phenol	**0.03**	**100**	**0.33**	2.7	U	0.54	U	0.54	U	5.2	U
Pyrene	**50**	**100**	**100**	75		0.39	U	1.1		3.7	U

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Represents restricted residential use prohibits use of single family housing and vegetable gardens. Includes active recreational uses, which are public uses with a reasonable potential for soil contact. Restrictions on the use of groundwater are allowed
U - Concentration less than the minimum laboratory detection limit.
NC - No guidance criteria establised for this compound
Bold values exceed unrestricted residential use.
Shaded values exceed restricted residential use.
Italicized vallues exceed TAGM criteria

Table 2
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - SVOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-5 (23-25) 7/19/2007 L0710362-05 mg/kg	Qual	TRC-SB-6 (15-17) 7/19/2007 L0710362-06 mg/kg	Qual	TRC-SB-7 (18-20) 7/19/2007 L0710362-07 mg/kg	Qual	TRC-SB-8 (18-20) 7/19/2007 L0710362-08 mg/kg	Qual
Semivolatile Organics by EPA 8270C											
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	1.6	U	1.5	U	1.5	U	1.6	U
1,2,4-Trichlorobenzene	3.4	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
1,2-Dichlorobenzene	7.9	100	1.1	0.39	U	0.37	U	0.37	U	0.39	U
1,3-Dichlorobenzene	1.6	17	2.4	0.39	U	0.37	U	0.37	U	0.39	U
1,4-Dichlorobenzene	8.5	9.8	1.8	0.39	U	0.37	U	0.37	U	0.39	U
2,4,5-Trichlorophenol	0.1	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
2,4,6-Trichlorophenol	NC	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
2,4-Dichlorophenol	0.4	NC	NC	0.78	U	0.74	U	0.73	U	0.78	U
2,4-Dimethylphenol	NC	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
2,4-Dinitrophenol	0.2	NC	NC	1.6	U	1.5	U	1.5	U	1.6	U
2,4-Dinitrotoluene	NC	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
2,6-Dinitrotoluene	1	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
2-Chloronaphthalene	NC	NC	NC	0.47	U	0.44	U	0.44	U	0.47	U
2-Chlorophenol	0.8	NC	NC	0.47	U	0.44	U	0.44	U	0.47	U
2-Methylnaphthalene	36.4	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
2-Methylphenol	0.1	100	0.33	0.47	U	0.44	U	0.44	U	0.47	U
2-Nitroaniline	0.43	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
2-Nitrophenol	0.33	NC	NC	1.6	U	1.5	U	1.5	U	1.6	U
3,3'-Dichlorobenzidine	NC	NC	NC	0.78	U	0.74	U	0.73	U	0.78	U
3-Methylphenol/4-Methylphenol	NC	34	0.33	0.47	U	0.44	U	0.44	U	0.47	U
3-Nitroaniline	0.5	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
4,6-Dinitro-o-cresol	NC	NC	NC	1.6	U	1.5	U	1.5	U	1.6	U
4-Bromophenyl phenyl ether	NC	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
4-Chloroaniline	0.22	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
4-Chlorophenyl phenyl ether	NC	NC	NC	0.39	U	0.37	U	0.37	U	0.39	U
4-Nitroaniline	NC	NC	NC	0.55	U	0.52	U	0.51	U	0.55	U
4-Nitrophenol	0.1	NC	NC	0.78	U	0.74	U	0.73	U	0.78	U
Acenaphthene	50	100	20	0.39	U	0.37	U	0.37	U	0.39	U
Acenaphthylene	41	100	100	0.39	U	0.37	U	0.37	U	0.39	U
Acetophenone	NC	NC	NC	1.6	U	1.5	U	1.5	U	1.6	U
Anthracene	50	100	100	0.39	U	0.37	U	0.41		0.39	U

Table 2
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - SVOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-5 (23-25) 7/19/2007 L0710362-05 mg/kg	Qual	TRC-SB-6 (15-17) 7/19/2007 L0710362-06 mg/kg	Qual	TRC-SB-7 (18-20) 7/19/2007 L0710362-07 mg/kg	Qual	TRC-SB-8 (18-20) 7/19/2007 L0710362-08 mg/kg	Qual
Benzo(a)anthracene	**0.224**	**1**	**1**	0.39	U	0.37	U	0.79		0.39	U
Benzo(a)pyrene	**0.061**	**1**	**1**	0.39	U	0.37	U	0.71		0.39	U
Benzo(b)fluoranthene	**1.1**	**1**	**1**	0.39	U	0.37	U	0.67		0.39	U
Benzo(ghi)perylene	**50**	**100**	**100**	0.39	U	0.37	U	0.62		0.39	U
Benzo(k)fluoranthene	**1.1**	**1**	**0.8**	0.39	U	0.37	U	0.58		0.39	U
Benzoic Acid	**2.7**	**NC**	**NC**	3.9	U	3.7	U	3.7	U	3.9	U
Benzyl Alcohol	**NC**	**NC**	**NC**	0.78	U	0.74	U	0.73	U	0.78	U
Biphenyl	**NC**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Bis(2-chloroethoxy)methane	**NC**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Bis(2-chloroethyl)ether	**NC**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Bis(2-chloroisopropyl)ether	**NC**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Bis(2-Ethylhexyl)phthalate	**50**	**NC**	**NC**	0.78	U	0.74	U	0.73	U	0.78	U
Butyl benzyl phthalate	**50**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Carbazole	**NC**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Chrysene	**0.4**	**1**	**1**	0.39	U	0.37	U	0.72		0.39	U
Di-n-butylphthalate	**8.1**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Di-n-octylphthalate	**50**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Dibenzo(a,h)anthracene	**0.0143**	**0.33**	**0.33**	0.39	U	0.37	U	0.37	U	0.39	U
Dibenzofuran	**6.2**	**14**	**7**	0.39	U	0.37	U	0.37	U	0.39	U
Diethyl phthalate	**7.1**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Dimethyl phthalate	**2**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Fluoranthene	**50**	**100**	**100**	0.39	U	0.37	U	1.6		0.39	U
Fluorene	**50**	**100**	**30**	0.39	U	0.37	U	0.37	U	0.39	U
Hexachlorobenzene	**0.41**	**0.33**	**0.33**	0.39	U	0.37	U	0.37	U	0.39	U
Hexachlorobutadiene	**NC**	**NC**	**NC**	0.78	U	0.74	U	0.73	U	0.78	U
Hexachlorocyclopentadiene	**NC**	**NC**	**NC**	0.78	U	0.74	U	0.73	U	0.78	U
Hexachloroethane	**NC**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Indeno(1,2,3-cd)Pyrene	**3.2**	**0.5**	**0.5**	0.39	U	0.37	U	0.63		0.39	U
Isophorone	**4.4**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
n-Nitrosodi-n-propylamine	**NC**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Naphthalene	**13**	**100**	**12**	0.39	U	0.37	U	0.37	U	0.39	U
Nitrobenzene	**0.2**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
NitrosoDiPhenylAmine(NDPA)/DPA	**NC**	**NC**	**NC**	1.2	U	1.1	U	1.1	U	1.2	U
P-Chloro-M-Cresol	**0.24**	**NC**	**NC**	0.39	U	0.37	U	0.37	U	0.39	U
Pentachlorophenol	**1**	**2.4**	**0.8**	1.6	U	1.5	U	1.5	U	1.6	U
Phenanthrene	**50**	**100**	**100**	0.39	U	0.37	U	1.3		0.39	U
Phenol	**0.03**	**100**	**0.33**	0.55	U	0.52	U	0.51	U	0.55	U
Pyrene	**50**	**100**	**100**	0.39	U	0.37	U	1.3		0.39	U

TAGM = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandums

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U - Concentration less than the minimum laboratory detection limit.
NC - No guidance criteria estabilised for this compound
Bold values exceed unrestricted residential use.
Shaded values exceed restricted residential use.
Italicized vallues exceed TAGM criteria

Table 2
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - SVOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-8 (23-25) 7/19/2007 L0710362-09 mg/kg	Qual	TRC-SB-9 (24-26) 7/19/2007 L0710362-10 mg/kg	Qual	TRC-SB-10 (16-18) 7/19/2007 L0710362-11 mg/kg	Qual	TRC-SB-11 (10-12) 7/19/2007 L0710362-12 mg/kg	Qual
Semivolatile Organics by EPA 8270C											
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	1.6	U	1.4	U	1.4	U	1.4	U
1,2,4-Trichlorobenzene	3.4	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
1,2-Dichlorobenzene	7.9	100	1.1	0.39	U	0.35	U	0.36	U	0.35	U
1,3-Dichlorobenzene	1.6	17	2.4	0.39	U	0.35	U	0.36	U	0.35	U
1,4-Dichlorobenzene	8.5	9.8	1.8	0.39	U	0.35	U	0.36	U	0.35	U
2,4,5-Trichlorophenol	0.1	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
2,4,6-Trichlorophenol	NC	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
2,4-Dichlorophenol	0.4	NC	NC	0.78	U	0.71	U	0.72	U	0.71	U
2,4-Dimethylphenol	NC	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
2,4-Dinitrophenol	0.2	NC	NC	1.6	U	1.4	U	1.4	U	1.4	U
2,4-Dinitrotoluene	NC	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
2,6-Dinitrotoluene	1	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
2-Chloronaphthalene	NC	NC	NC	0.47	U	0.42	U	0.43	U	0.42	U
2-Chlorophenol	0.8	NC	NC	0.47	U	0.42	U	0.43	U	0.42	U
2-Methylnaphthalene	36.4	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
2-Methylphenol	0.1	100	0.33	0.47	U	0.42	U	0.43	U	0.42	U
2-Nitroaniline	0.43	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
2-Nitrophenol	0.33	NC	NC	1.6	U	1.4	U	1.4	U	1.4	U
3,3'-Dichlorobenzidine	NC	NC	NC	0.78	U	0.71	U	0.72	U	0.71	U
3-Methylphenol/4-Methylphenol	NC	34	0.33	0.47	U	0.42	U	0.43	U	0.42	U
3-Nitroaniline	0.5	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
4,6-Dinitro-o-cresol	NC	NC	NC	1.6	U	1.4	U	1.4	U	1.4	U
4-Bromophenyl phenyl ether	NC	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
4-Chloroaniline	0.22	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
4-Chlorophenyl phenyl ether	NC	NC	NC	0.39	U	0.35	U	0.36	U	0.35	U
4-Nitroaniline	NC	NC	NC	0.55	U	0.5	U	0.51	U	0.5	U
4-Nitrophenol	0.1	NC	NC	0.78	U	0.71	U	0.72	U	0.71	U
Acenaphthene	50	100	20	0.39	U	0.35	U	0.36	U	0.35	U
Acenaphthylene	41	100	100	0.39	U	0.35	U	0.36	U	0.35	U
Acetophenone	NC	NC	NC	1.6	U	1.4	U	1.4	U	1.4	U
Anthracene	50	100	100	0.39	U	0.35	U	0.36	U	0.35	U

Table 2
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - SVOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-8 (23-25) 7/19/2007 L0710362-09 mg/kg	Qual	TRC-SB-9 (24-26) 7/19/2007 L0710362-10 mg/kg	Qual	TRC-SB-10 (16-18) 7/19/2007 L0710362-11 mg/kg	Qual	TRC-SB-11 (10-12) 7/19/2007 L0710362-12 mg/kg	Qual
Benzo(a)anthracene	**0.224**	**1**	**1**	0.39	U	0.35	U	0.36	U	0.35	U
Benzo(a)pyrene	**0.061**	**1**	**1**	0.39	U	0.35	U	0.36	U	0.35	U
Benzo(b)fluoranthene	**1.1**	**1**	**1**	0.39	U	0.35	U	0.36	U	0.35	U
Benzo(ghi)perylene	**50**	**100**	**100**	0.39	U	0.35	U	0.36	U	0.35	U
Benzo(k)fluoranthene	**1.1**	**1**	**0.8**	0.39	U	0.35	U	0.36	U	0.35	U
Benzoic Acid	**2.7**	**NC**	**NC**	3.9	U	3.5	U	3.6	U	3.5	U
Benzyl Alcohol	**NC**	**NC**	**NC**	0.78	U	0.71	U	0.72	U	0.71	U
Biphenyl	**NC**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Bis(2-chloroethoxy)methane	**NC**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Bis(2-chloroethyl)ether	**NC**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Bis(2-chloroisopropyl)ether	**NC**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Bis(2-Ethylhexyl)phthalate	**50**	**NC**	**NC**	0.78	U	0.71	U	0.72	U	0.71	U
Butyl benzyl phthalate	**50**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Carbazole	**NC**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Chrysene	**0.4**	**1**	**1**	0.39	U	0.35	U	0.36	U	0.35	U
Di-n-butylphthalate	**8.1**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Di-n-octylphthalate	**50**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Dibenzo(a,h)anthracene	**0.0143**	**0.33**	**0.33**	0.39	U	0.35	U	0.36	U	0.35	U
Dibenzofuran	**6.2**	**14**	**7**	0.39	U	0.35	U	0.36	U	0.35	U
Diethyl phthalate	**7.1**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Dimethyl phthalate	**2**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Fluoranthene	**50**	**100**	**100**	0.39	U	0.35	U	0.36	U	0.35	U
Fluorene	**50**	**100**	**30**	0.39	U	0.35	U	0.36	U	0.35	U
Hexachlorobenzene	**0.41**	**0.33**	**0.33**	0.39	U	0.35	U	0.36	U	0.35	U
Hexachlorobutadiene	**NC**	**NC**	**NC**	0.78	U	0.71	U	0.72	U	0.71	U
Hexachlorocyclopentadiene	**NC**	**NC**	**NC**	0.78	U	0.71	U	0.72	U	0.71	U
Hexachloroethane	**NC**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Indeno(1,2,3-cd)Pyrene	**3.2**	**0.5**	**0.5**	0.39	U	0.35	U	0.36	U	0.35	U
Isophorone	**4.4**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
n-Nitrosodi-n-propylamine	**NC**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Naphthalene	**13**	**100**	**12**	0.39	U	0.35	U	0.36	U	0.35	U
Nitrobenzene	**0.2**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
NitrosoDiPhenylAmine(NDPA)/DPA	**NC**	**NC**	**NC**	1.2	U	1.1	U	1.1	U	1.1	U
P-Chloro-M-Cresol	**0.24**	**NC**	**NC**	0.39	U	0.35	U	0.36	U	0.35	U
Pentachlorophenol	**1**	**2.4**	**0.8**	1.6	U	1.4	U	1.4	U	1.4	U
Phenanthrene	**50**	**100**	**100**	0.39	U	0.35	U	0.36	U	0.35	U
Phenol	**0.03**	**100**	**0.33**	0.55	U	0.5	U	0.51	U	0.5	U
Pyrene	**50**	**100**	**100**	0.39	U	0.35	U	0.36	U	0.35	U

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Italicized vallues exceed TAGM criteria

Table 2
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - SVOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-12 (11-12) 7/19/2007 L0710362-13 mg/kg	Qual	TRC-SB-13 (15-17) 7/19/2007 L0710362-15 mg/kg	Qual
Semivolatile Organics by EPA 8270C							
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	1.4	U	1.4	U
1,2,4-Trichlorobenzene	3.4	NC	NC	0.35	U	0.36	U
1,2-Dichlorobenzene	7.9	100	1.1	0.35	U	0.36	U
1,3-Dichlorobenzene	1.6	17	2.4	0.35	U	0.36	U
1,4-Dichlorobenzene	8.5	9.8	1.8	0.35	U	0.36	U
2,4,5-Trichlorophenol	0.1	NC	NC	0.35	U	0.36	U
2,4,6-Trichlorophenol	NC	NC	NC	0.35	U	0.36	U
2,4-Dichlorophenol	0.4	NC	NC	0.71	U	0.72	U
2,4-Dimethylphenol	NC	NC	NC	0.35	U	0.36	U
2,4-Dinitrophenol	0.2	NC	NC	1.4	U	1.4	U
2,4-Dinitrotoluene	NC	NC	NC	0.35	U	0.36	U
2,6-Dinitrotoluene	1	NC	NC	0.35	U	0.36	U
2-Chloronaphthalene	NC	NC	NC	0.42	U	0.43	U
2-Chlorophenol	0.8	NC	NC	0.42	U	0.43	U
2-Methylnaphthalene	36.4	NC	NC	0.35	U	0.36	U
2-Methylphenol	0.1	100	0.33	0.42	U	0.43	U
2-Nitroaniline	0.43	NC	NC	0.35	U	0.36	U
2-Nitrophenol	0.33	NC	NC	1.4	U	1.4	U
3,3'-Dichlorobenzidine	NC	NC	NC	0.71	U	0.72	U
3-Methylphenol/4-Methylphenol	NC	34	0.33	0.42	U	0.43	U
3-Nitroaniline	0.5	NC	NC	0.35	U	0.36	U
4,6-Dinitro-o-cresol	NC	NC	NC	1.4	U	1.4	U
4-Bromophenyl phenyl ether	NC	NC	NC	0.35	U	0.36	U
4-Chloroaniline	0.22	NC	NC	0.35	U	0.36	U
4-Chlorophenyl phenyl ether	NC	NC	NC	0.35	U	0.36	U
4-Nitroaniline	NC	NC	NC	0.5	U	0.51	U
4-Nitrophenol	0.1	NC	NC	0.71	U	0.72	U
Acenaphthene	50	100	20	0.35	U	0.36	U
Acenaphthylene	41	100	100	0.35	U	0.36	U
Acetophenone	NC	NC	NC	1.4	U	1.4	U
Anthracene	50	100	100	0.35	U	0.36	U

Table 2
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Compound List - SVOCs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-12 (11-12) 7/19/2007 L0710362-13 mg/kg	Qual	TRC-SB-13 (15-17) 7/19/2007 L0710362-15 mg/kg	Qual
Benzo(a)anthracene	0.224	1	1	0.35	U	0.36	U
Benzo(a)pyrene	0.061	1	1	0.35	U	0.36	U
Benzo(b)fluoranthene	1.1	1	1	0.35	U	0.36	U
Benzo(ghi)perylene	50	100	100	0.35	U	0.36	U
Benzo(k)fluoranthene	1.1	1	0.8	0.35	U	0.36	U
Benzoic Acid	2.7	NC	NC	3.5	U	3.6	U
Benzyl Alcohol	NC	NC	NC	0.71	U	0.72	U
Biphenyl	NC	NC	NC	0.35	U	0.36	U
Bis(2-chloroethoxy)methane	NC	NC	NC	0.35	U	0.36	U
Bis(2-chloroethyl)ether	NC	NC	NC	0.35	U	0.36	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	0.35	U	0.36	U
Bis(2-Ethylhexyl)phthalate	50	NC	NC	0.71	U	0.72	U
Butyl benzyl phthalate	50	NC	NC	0.35	U	0.36	U
Carbazole	NC	NC	NC	0.35	U	0.36	U
Chrysene	0.4	1	1	0.35	U	0.36	U
Di-n-butylphthalate	8.1	NC	NC	0.35	U	0.36	U
Di-n-octylphthalate	50	NC	NC	0.35	U	0.36	U
Dibenzo(a,h)anthracene	0.0143	0.33	0.33	0.35	U	0.36	U
Dibenzofuran	6.2	14	7	0.35	U	0.36	U
Diethyl phthalate	7.1	NC	NC	0.35	U	0.36	U
Dimethyl phthalate	2	NC	NC	0.35	U	0.36	U
Fluoranthene	50	100	100	0.35	U	0.36	U
Fluorene	50	100	30	0.35	U	0.36	U
Hexachlorobenzene	0.41	0.33	0.33	0.35	U	0.36	U
Hexachlorobutadiene	NC	NC	NC	0.71	U	0.72	U
Hexachlorocyclopentadiene	NC	NC	NC	0.71	U	0.72	U
Hexachloroethane	NC	NC	NC	0.35	U	0.36	U
Indeno(1,2,3-cd)Pyrene	3.2	0.5	0.5	0.35	U	0.36	U
Isophorone	4.4	NC	NC	0.35	U	0.36	U
n-Nitrosodi-n-propylamine	NC	NC	NC	0.35	U	0.36	U
Naphthalene	13	100	12	0.35	U	0.36	U
Nitrobenzene	0.2	NC	NC	0.35	U	0.36	U
NitrosoDiPhenylAmine(NDPA)/DPA	NC	NC	NC	1.1	U	1.1	U
P-Chloro-M-Cresol	0.24	NC	NC	0.35	U	0.36	U
Pentachlorophenol	1	2.4	0.8	1.4	U	1.4	U
Phenanthrene	50	100	100	0.35	U	0.36	U
Phenol	0.03	100	0.33	0.5	U	0.51	U
Pyrene	50	100	100	0.35	U	0.36	U

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Italicized vallues exceed TAGM criteria

Table 3
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
TCLP - SVOC

LOCATION SAMPLING DATE LAB SAMPLE ID Units	TOGS GA STANDARD ug/L	TRC-SB-8 (18-20) 7/19/2007 L0710362-08 ug/L	Qual
TCLP Semi-Volatile Organics			
2,4,5-Trichlorophenol	**NC**	25	U
2,4,6-Trichlorophenol	**NC**	25	U
2,4-Dinitrotoluene	**5**	30	U
2-Methylphenol	**NC**	30	U
3-Methylphenol/4-Methylphenol	**NC**	30	U
Hexachlorobenzene	**0.04**	25	U
Hexachlorobutadiene	**0.5**	50	U
Hexachloroethane	**5**	25	U
Nitrobenzene	**0.4**	25	U
Pentachlorophenol	**1**	50	U
Pyridine	**50**	250	U

U - Concentration less than the minimum laboratory detection limit.
NC - No guidance criteria established for this compound.

Table 4
Kingsbridge Armory
Bronx, New York
Phase II Environmental Assessment
Target Compound List -
Pesticides and PCBs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj.	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-1 (13-15) 7/19/2007 L0710362-01 mg/kg	Qual	TRC-SB-2 (13-15) 7/19/2007 L0710362-02 mg/kg	Qual	TRC-SB-3 (12-14) 7/19/2007 L0710362-03 mg/kg	Qual
Organochlorine Pesticides by EPA 8081A									
4,4'-DDD	**2.9**	**2.6**	**0.0033**	0.153	U	0.0194	U	0.0192	U
4,4'-DDE	**2.1**	**1.8**	**0.0033**	0.153	U	0.0194	U	0.0192	U
4,4'-DDT	**2.1**	**1.7**	**0.0033**	0.153	U	0.0194	U	0.0192	U
Aldrin	**0.041**	**0.019**	**0.005**	0.153	U	0.0194	U	0.0192	U
Alpha-BHC	**0.11**	**0.097**	**0.02**	0.153	U	0.0194	U	0.0192	U
Beta-BHC	**0.2**	**0.072**	**0.036**	0.153	U	0.0194	U	0.0192	U
Chlordane	**0.54**	**NC**	**NC**	0.613	U	0.0775	U	0.0766	U
Delta-BHC	**0.3**	**100**	**0.04**	0.153	U	0.0194	U	0.0192	U
Dieldrin	**0.044**	**0.039**	**0.005**	0.153	U	0.0194	U	0.0192	U
Endosulfan I	**0.9**	**4.8**	**2.4**	0.153	U	0.0194	U	0.0192	U
Endosulfan II	**0.9**	**4.8**	**2.4**	0.153	U	0.0194	U	0.0192	U
Endosulfan sulfate	**1**	**4.8**	**2.4**	0.153	U	0.0194	U	0.0192	U
Endrin	**0.1**	**2.2**	**0.014**	0.153	U	0.0194	U	0.0192	U
Endrin keytone	**NC**	**NC**	**NC**	0.153	U	0.0194	U	0.0192	U
Heptachlor	**0.1**	**0.42**	**0.042**	0.153	U	0.0194	U	0.0192	U
Heptachlor epoxide	**0.02**	**NC**	**NC**	0.153	U	0.0194	U	0.0192	U
Lindane	**0.06**	**0.28**	**0.1**	0.153	U	0.0194	U	0.0192	U
Methoxychlor	**10**	**NC**	**NC**	0.613	U	0.0775	U	0.0766	U
trans-Chlordane	**NC**	**NC**	**NC**	0.153	U	0.0194	U	0.0192	U
Polychlorinated Biphenyls by EPA 8082									
Aroclor 1016	**10**	**1**	**0.1**	0.0766	U	0.0388	U	0.0383	U
Aroclor 1221	**10**	**1**	**0.1**	0.0766	U	0.0388	U	0.0383	U
Aroclor 1232	**10**	**1**	**0.1**	0.0766	U	0.0388	U	0.0383	U
Aroclor 1242	**10**	**1**	**0.1**	0.0766	U	0.0388	U	0.0383	U
Aroclor 1248	**10**	**1**	**0.1**	0.0766	U	0.0388	U	0.0383	U
Aroclor 1254	**10**	**1**	**0.1**	0.0766	U	0.0388	U	0.0383	U
Aroclor 1260	**10**	**1**	**0.1**	0.0766	U	0.0388	U	0.0383	U

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Table 4
Kingsbridge Armory
Bronx, New York
Phase II Environmental Assessment
Target Compound List -
Pesticides and PCBs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj.	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-4 (7-9) 7/19/2007 L0710362-04 mg/kg	Qual	TRC-SB-5 (23-25) 7/19/2007 L0710362-05 mg/kg	Qual	TRC-SB-6 (15-17) 7/19/2007 L0710362-06 mg/kg	Qual
Organochlorine Pesticides by EPA 8081A									
4,4'-DDD	**2.9**	**2.6**	**0.0033**	0.148	U	0.00392	U	0.0185	U
4,4'-DDE	**2.1**	**1.8**	**0.0033**	0.148	U	0.00392	U	0.0185	U
4,4'-DDT	**2.1**	**1.7**	**0.0033**	0.148	U	0.00392	U	0.0185	U
Aldrin	**0.041**	**0.019**	**0.005**	0.148	U	0.00392	U	0.0185	U
Alpha-BHC	**0.11**	**0.097**	**0.02**	0.148	U	0.00392	U	0.0185	U
Beta-BHC	**0.2**	**0.072**	**0.036**	0.148	U	0.00392	U	0.0185	U
Chlordane	**0.54**	**NC**	**NC**	0.592	U	0.0157	U	0.0741	U
Delta-BHC	**0.3**	**100**	**0.04**	0.148	U	0.00392	U	0.0185	U
Dieldrin	**0.044**	**0.039**	**0.005**	0.148	U	0.00392	U	0.0185	U
Endosulfan I	**0.9**	**4.8**	**2.4**	0.148	U	0.00392	U	0.0185	U
Endosulfan II	**0.9**	**4.8**	**2.4**	0.148	U	0.00392	U	0.0185	U
Endosulfan sulfate	**1**	**4.8**	**2.4**	0.148	U	0.00392	U	0.0185	U
Endrin	**0.1**	**2.2**	**0.014**	0.148	U	0.00392	U	0.0185	U
Endrin keytone	**NC**	**NC**	**NC**	0.148	U	0.00392	U	0.0185	U
Heptachlor	**0.1**	**0.42**	**0.042**	0.148	U	0.00392	U	0.0185	U
Heptachlor epoxide	**0.02**	**NC**	**NC**	0.148	U	0.00392	U	0.0185	U
Lindane	**0.06**	**0.28**	**0.1**	0.148	U	0.00392	U	0.0185	U
Methoxychlor	**10**	**NC**	**NC**	0.592	U	0.0157	U	0.0741	U
trans-Chlordane	**NC**	**NC**	**NC**	0.148	U	0.00392	U	0.0185	U
Polychlorinated Biphenyls by EPA 8082									
Aroclor 1016	**10**	**1**	**0.1**	0.037	U	0.0392	U	0.037	U
Aroclor 1221	**10**	**1**	**0.1**	0.037	U	0.0392	U	0.037	U
Aroclor 1232	**10**	**1**	**0.1**	0.037	U	0.0392	U	0.037	U
Aroclor 1242	**10**	**1**	**0.1**	0.037	U	0.0392	U	0.037	U
Aroclor 1248	**10**	**1**	**0.1**	0.037	U	0.0392	U	0.037	U
Aroclor 1254	**10**	**1**	**0.1**	0.037	U	0.0392	U	0.037	U
Aroclor 1260	**10**	**1**	**0.1**	0.037	U	0.0392	U	0.037	U

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Table 4
Kingsbridge Armory
Bronx, New York
Phase II Environmental Assessment
Target Compound List -
Pesticides and PCBs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj.	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-7 (18-20) 7/19/2007 L0710362-07 mg/kg	Qual	TRC-SB-8 (18-20) 7/19/2007 L0710362-08 mg/kg	Qual	TRC-SB-8 (23-25) 7/19/2007 L0710362-09 mg/kg	Qual
Organochlorine Pesticides by EPA 8081A									
4,4'-DDD	2.9	2.6	0.0033	0.0183	U	0.0196	U	0.00392	U
4,4'-DDE	2.1	1.8	0.0033	0.0183	U	0.0196	U	0.00392	U
4,4'-DDT	2.1	1.7	0.0033	0.0183	U	0.0196	U	0.00392	U
Aldrin	0.041	0.019	0.005	0.0183	U	0.0196	U	0.00392	U
Alpha-BHC	0.11	0.097	0.02	0.0183	U	0.0196	U	0.00392	U
Beta-BHC	0.2	0.072	0.036	0.0183	U	0.0196	U	0.00392	U
Chlordane	0.54	NC	NC	0.0733	U	0.0784	U	0.0157	U
Delta-BHC	0.3	100	0.04	0.0183	U	0.0196	U	0.00392	U
Dieldrin	0.044	0.039	0.005	0.0183	U	0.0196	U	0.00392	U
Endosulfan I	0.9	4.8	2.4	0.0183	U	0.0196	U	0.00392	U
Endosulfan II	0.9	4.8	2.4	0.0183	U	0.0196	U	0.00392	U
Endosulfan sulfate	1	4.8	2.4	0.0183	U	0.0196	U	0.00392	U
Endrin	0.1	2.2	0.014	0.0183	U	0.0196	U	0.00392	U
Endrin keytone	NC	NC	NC	0.0183	U	0.0196	U	0.00392	U
Heptachlor	0.1	0.42	0.042	0.0183	U	0.0196	U	0.00392	U
Heptachlor epoxide	0.02	NC	NC	0.0183	U	0.0196	U	0.00392	U
Lindane	0.06	0.28	0.1	0.0183	U	0.0196	U	0.00392	U
Methoxychlor	10	NC	NC	0.0733	U	0.0784	U	0.0157	U
trans-Chlordane	NC	NC	NC	0.0183	U	0.0196	U	0.00392	U
Polychlorinated Biphenyls by EPA 8082									
Aroclor 1016	10	1	0.1	0.0366	U	0.0392	U	0.0392	U
Aroclor 1221	10	1	0.1	0.0366	U	0.0392	U	0.0392	U
Aroclor 1232	10	1	0.1	0.0366	U	0.0392	U	0.0392	U
Aroclor 1242	10	1	0.1	0.0366	U	0.0392	U	0.0392	U
Aroclor 1248	10	1	0.1	0.0366	U	0.0392	U	0.0392	U
Aroclor 1254	10	1	0.1	0.0366	U	0.0392	U	0.0392	U
Aroclor 1260	10	1	0.1	0.0366	U	0.0392	U	0.0392	U

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Bronx, New York
Phase II Environmental Assessment
Target Compound List -
Pesticides and PCBs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj.	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-9 (24-26) 7/19/2007 L0710362-10 mg/kg	Qual	TRC-SB-10 (16-18) 7/19/2007 L0710362-11 mg/kg	Qual	TRC-SB-11 (10-12) 7/19/2007 L0710362-12 mg/kg	Qual
Organochlorine Pesticides by EPA 8081A									
4,4'-DDD	**2.9**	**2.6**	**0.0033**	0.00355	U	0.00362	U	0.00355	U
4,4'-DDE	**2.1**	**1.8**	**0.0033**	0.00355	U	0.00362	U	0.00355	U
4,4'-DDT	**2.1**	**1.7**	**0.0033**	0.00355	U	0.00362	U	0.00355	U
Aldrin	**0.041**	**0.019**	**0.005**	0.00355	U	0.00362	U	0.00355	U
Alpha-BHC	**0.11**	**0.097**	**0.02**	0.00355	U	0.00362	U	0.00355	U
Beta-BHC	**0.2**	**0.072**	**0.036**	0.00355	U	0.00362	U	0.00355	U
Chlordane	**0.54**	**NC**	**NC**	0.0142	U	0.0145	U	0.0142	U
Delta-BHC	**0.3**	**100**	**0.04**	0.00355	U	0.00362	U	0.00355	U
Dieldrin	**0.044**	**0.039**	**0.005**	0.00355	U	0.00362	U	0.00355	U
Endosulfan I	**0.9**	**4.8**	**2.4**	0.00355	U	0.00362	U	0.00355	U
Endosulfan II	**0.9**	**4.8**	**2.4**	0.00355	U	0.00362	U	0.00355	U
Endosulfan sulfate	**1**	**4.8**	**2.4**	0.00355	U	0.00362	U	0.00355	U
Endrin	**0.1**	**2.2**	**0.014**	0.00355	U	0.00362	U	0.00355	U
Endrin keytone	**NC**	**NC**	**NC**	0.00355	U	0.00362	U	0.00355	U
Heptachlor	**0.1**	**0.42**	**0.042**	0.00355	U	0.00362	U	0.00355	U
Heptachlor epoxide	**0.02**	**NC**	**NC**	0.00355	U	0.00362	U	0.00355	U
Lindane	**0.06**	**0.28**	**0.1**	0.00355	U	0.00362	U	0.00355	U
Methoxychlor	**10**	**NC**	**NC**	0.0142	U	0.0145	U	0.0142	U
trans-Chlordane	**NC**	**NC**	**NC**	0.00355	U	0.00362	U	0.00355	U
Polychlorinated Biphenyls by EPA 8082									
Aroclor 1016	**10**	**1**	**0.1**	0.0355	U	0.0362	U	0.0355	U
Aroclor 1221	**10**	**1**	**0.1**	0.0355	U	0.0362	U	0.0355	U
Aroclor 1232	**10**	**1**	**0.1**	0.0355	U	0.0362	U	0.0355	U
Aroclor 1242	**10**	**1**	**0.1**	0.0355	U	0.0362	U	0.0355	U
Aroclor 1248	**10**	**1**	**0.1**	0.0355	U	0.0362	U	0.0355	U
Aroclor 1254	**10**	**1**	**0.1**	0.0355	U	0.0362	U	0.0355	U
Aroclor 1260	**10**	**1**	**0.1**	0.0355	U	0.0362	U	0.0355	U

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Table 4
Kingsbridge Armory
Bronx, New York
Phase II Environmental Assessment
Target Compound List -
Pesticides and PCBs

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj.	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-12 (11-12) 7/19/2007 L0710362-13 mg/kg	Qual	TRC-SB-13 (15-17) 7/19/2007 L0710362-15 mg/kg	Qual
Organochlorine Pesticides by EPA 8081A							
4,4'-DDD	**2.9**	**2.6**	**0.0033**	0.00355	U	0.0181	U
4,4'-DDE	**2.1**	**1.8**	**0.0033**	0.00355	U	0.0181	U
4,4'-DDT	**2.1**	**1.7**	**0.0033**	0.00355	U	0.0181	U
Aldrin	**0.041**	**0.019**	**0.005**	0.00355	U	0.0181	U
Alpha-BHC	**0.11**	**0.097**	**0.02**	0.00355	U	0.0181	U
Beta-BHC	**0.2**	**0.072**	**0.036**	0.00355	U	0.0181	U
Chlordane	**0.54**	**NC**	**NC**	0.0142	U	0.0725	U
Delta-BHC	**0.3**	**100**	**0.04**	0.00355	U	0.0181	U
Dieldrin	**0.044**	**0.039**	**0.005**	0.00355	U	0.0181	U
Endosulfan I	**0.9**	**4.8**	**2.4**	0.00355	U	0.0181	U
Endosulfan II	**0.9**	**4.8**	**2.4**	0.00355	U	0.0181	U
Endosulfan sulfate	**1**	**4.8**	**2.4**	0.00355	U	0.0181	U
Endrin	**0.1**	**2.2**	**0.014**	0.00355	U	0.0181	U
Endrin keytone	**NC**	**NC**	**NC**	0.00355	U	0.0181	U
Heptachlor	**0.1**	**0.42**	**0.042**	0.00355	U	0.0181	U
Heptachlor epoxide	**0.02**	**NC**	**NC**	0.00355	U	0.0181	U
Lindane	**0.06**	**0.28**	**0.1**	0.00355	U	0.0181	U
Methoxychlor	**10**	**NC**	**NC**	0.0142	U	0.0725	U
trans-Chlordane	**NC**	**NC**	**NC**	0.00355	U	0.0181	U
Polychlorinated Biphenyls by EPA 8082							
Aroclor 1016	**10**	**1**	**0.1**	0.0355	U	0.0362	U
Aroclor 1221	**10**	**1**	**0.1**	0.0355	U	0.0362	U
Aroclor 1232	**10**	**1**	**0.1**	0.0355	U	0.0362	U
Aroclor 1242	**10**	**1**	**0.1**	0.0355	U	0.0362	U
Aroclor 1248	**10**	**1**	**0.1**	0.0355	U	0.0362	U
Aroclor 1254	**10**	**1**	**0.1**	0.0355	U	0.0362	U
Aroclor 1260	**10**	**1**	**0.1**	0.0355	U	0.0362	U

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Table 5
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Analyte List - Metals

LOCATION SAMPLING DATE LAB SAMPLE ID Units	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-1 (13-15) 7/19/2007 L0710362-01 mg/kg	Qual	TRC-SB-2 (13-15) 7/19/2007 L0710362-02 mg/kg	Qual	TRC-SB-3 (12-14) 7/19/2007 L0710362-03 mg/kg	Qual
Total Metals									
Aluminum, Total	**SB**	**NC**	**NC**	13000		12000		6800	
Antimony, Total	**SB**	**NC**	**NC**	2.3	U	2.3	U	2.3	U
Arsenic, Total	**7.5***	**16**	**13**	2.9		2.4		2.3	
Barium, Total	**300***	**350**	**350**	100		120		67	
Beryllium, Total	**0.16**	**14**	**7.2**	*0.69*		*0.54*		*0.4*	
Cadmium, Total	**1***	**2.5**	**2.5**	0.46	U	0.46	U	0.46	U
Calcium, Total	**SB**	**NC**	**NC**	6500		3800		5300	
Chromium, Total	**10**	**NC**	**NC**	*26*		*24*		*21*	
Cobalt, Total	**30**	**NC**	**NC**	8.1		8.4		5	
Copper, Total	**25**	**270**	**50**	*46*		20		20	
Iron, Total	**2000***	**NC**	**NC**	*18000*		*17000*		*13000*	
Lead, Total	**200-500**	**400**	**63**	**78**		21		**140**	
Magnesium, Total	**SB**	**NC**	**NC**	6300		7800		3600	
Manganese, Total	**SB**	**2000**	**1600**	240		270		160	
Mercury, Total	**0.1**	**0.81**	**0.18**	0.1	U	0.1		**0.19**	
Nickel, Total	**13**	**140**	**30**	*16*		*14*		11	
Potassium, Total	**SB**	**NC**	**NC**	3200		3700		1400	
Selenium, Total	**2**	**36**	**3.9**	2.3	U	2.3	U	2.3	U
Silver, Total	**SB**	**36**	**2**	0.46	U	0.46	U	0.46	U
Sodium, Total	**SB**	**NC**	**NC**	360		390		330	
Thallium, Total	**SB**	**NC**	**NC**	2.3	U	2.3	U	2.3	U
Vanadium, Total	**150***	**NC**	**NC**	41		37		23	
Zinc, Total	**20**	**2200**	**109**	*91*		*61*		*66*	

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SB - Site background
* - given value or site background
Bold values exceed unrestricted residential use.
Italicized vallues exceed TAGM criteria

Table 5
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Analyte List - Metals

LOCATION SAMPLING DATE LAB SAMPLE ID Units	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-4 (7-9) 7/19/2007 L0710362-04 mg/kg	Qual	TRC-SB-5 (23-25) 7/19/2007 L0710362-05 mg/kg	Qual	TRC-SB-6 (15-17) 7/19/2007 L0710362-06 mg/kg	Qual
Total Metals									
Aluminum, Total	**SB**	**NC**	**NC**	9200		15000		12000	
Antimony, Total	**SB**	**NC**	**NC**	2.2	U	2.3	U	2.2	U
Arsenic, Total	**7.5***	**16**	**13**	2.3		3.7		3.2	
Barium, Total	**300***	**350**	**350**	83		71		100	
Beryllium, Total	**0.16**	**14**	**7.2**	*0.48*		*0.68*		*0.95*	
Cadmium, Total	**1***	**2.5**	**2.5**	0.44	U	0.47	U	0.44	U
Calcium, Total	**SB**	**NC**	**NC**	2700		5100		14000	
Chromium, Total	**10**	**NC**	**NC**	*25*		*35*		*45*	
Cobalt, Total	**30**	**NC**	**NC**	7		9.2		42	
Copper, Total	**25**	**270**	**50**	*28*		20		***120***	
Iron, Total	**2000***	**NC**	**NC**	*15000*		*20000*		*20000*	
Lead, Total	**200-500**	**400**	**63**	37		14		**98**	
Magnesium, Total	**SB**	**NC**	**NC**	5100		6500		10000	
Manganese, Total	**SB**	**2000**	**1600**	230		380		460	
Mercury, Total	**0.1**	**0.81**	**0.18**	0.08	U	0.09	U	0.09	U
Nickel, Total	**13**	**140**	**30**	*16*		*24*		*29*	
Potassium, Total	**SB**	**NC**	**NC**	2800		2200		3500	
Selenium, Total	**2**	**36**	**3.9**	2.2	U	2.3	U	2.2	U
Silver, Total	**SB**	**36**	**2**	0.44	U	0.47	U	0.44	U
Sodium, Total	**SB**	**NC**	**NC**	88	U	410		1100	
Thallium, Total	**SB**	**NC**	**NC**	2.2	U	2.3	U	2.2	U
Vanadium, Total	**150***	**NC**	**NC**	39		40		39	
Zinc, Total	**20**	**2200**	**109**	*57*		*61*		***750***	

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Table 5
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Analyte List - Metals

LOCATION SAMPLING DATE LAB SAMPLE ID Units	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-7 (18-20) 7/19/2007 L0710362-07 mg/kg	Qual	TRC-SB-8 (18-20) 7/19/2007 L0710362-08 mg/kg	Qual	TRC-SB-8 (23-25) 7/19/2007 L0710362-09 mg/kg	Qual
Total Metals									
Aluminum, Total	**SB**	**NC**	**NC**	13000		15000		12000	
Antimony, Total	**SB**	**NC**	**NC**	2.2	U	2.3	U	2.3	U
Arsenic, Total	**7.5***	**16**	**13**	1.7		3.1		2.5	
Barium, Total	**300***	**350**	**350**	140		68		82	
Beryllium, Total	**0.16**	**14**	**7.2**	*0.96*		*0.79*		*0.58*	
Cadmium, Total	**1***	**2.5**	**2.5**	0.44	U	0.46	U	0.47	U
Calcium, Total	**SB**	**NC**	**NC**	6700		1700		2200	
Chromium, Total	**10**	**NC**	**NC**	*36*		*38*		*34*	
Cobalt, Total	**30**	**NC**	**NC**	11		11		8.5	
Copper, Total	**25**	**270**	**50**	*30*		*26*		19	
Iron, Total	**2000***	**NC**	**NC**	*20000*		*21000*		*18000*	
Lead, Total	**200-500**	**400**	**63**	27		15		26	
Magnesium, Total	**SB**	**NC**	**NC**	8200		7400		5200	
Manganese, Total	**SB**	**2000**	**1600**	240		230		350	
Mercury, Total	**0.1**	**0.81**	**0.18**	**0.22**		0.09	U	0.1	U
Nickel, Total	**13**	**140**	**30**	*25*		*26*		*19*	
Potassium, Total	**SB**	**NC**	**NC**	5100		3100		2000	
Selenium, Total	**2**	**36**	**3.9**	2.2	U	2.3	U	2.3	U
Silver, Total	**SB**	**36**	**2**	0.44	U	0.46	U	0.47	U
Sodium, Total	**SB**	**NC**	**NC**	88	U	93	U	380	
Thallium, Total	**SB**	**NC**	**NC**	2.2	U	2.3	U	2.3	U
Vanadium, Total	**150***	**NC**	**NC**	44		48		38	
Zinc, Total	**20**	**2200**	**109**	*62*		*57*		*77*	

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Table 5
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Target Analyte List - Metals

LOCATION SAMPLING DATE LAB SAMPLE ID Units	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-9 (24-26) 7/19/2007 L0710362-10 mg/kg	Qual	TRC-SB-10 (16-18) 7/19/2007 L0710362-11 mg/kg	Qual	TRC-SB-11 (10-12) 7/19/2007 L0710362-12 mg/kg	Qual
Total Metals									
Aluminum, Total	**SB**	**NC**	**NC**	12000		17000		15000	
Antimony, Total	**SB**	**NC**	**NC**	2.1	U	2.2	U	2.1	U
Arsenic, Total	**7.5***	**16**	**13**	1.3		0.52		0.42	U
Barium, Total	**300***	**350**	**350**	150		150		180	
Beryllium, Total	**0.16**	**14**	**7.2**	*1.3*		*2*		*2.3*	
Cadmium, Total	**1***	**2.5**	**2.5**	0.42	U	0.43	U	0.42	U
Calcium, Total	**SB**	**NC**	**NC**	4400		3400		3100	
Chromium, Total	**10**	**NC**	**NC**	*38*		*31*		*48*	
Cobalt, Total	**30**	**NC**	**NC**	10		15		14	
Copper, Total	**25**	**270**	**50**	*26*		*34*		*36*	
Iron, Total	**2000***	**NC**	**NC**	*20000*		*32000*		*31000*	
Lead, Total	**200-500**	**400**	**63**	5.1		2.2	U	2.1	U
Magnesium, Total	**SB**	**NC**	**NC**	7800		11000		10000	
Manganese, Total	**SB**	**2000**	**1600**	260		320		340	
Mercury, Total	**0.1**	**0.81**	**0.18**	**0.21**		**0.23**		**0.29**	
Nickel, Total	**13**	**140**	**30**	*20*		*25*		*28*	
Potassium, Total	**SB**	**NC**	**NC**	7300		9200		10000	
Selenium, Total	**2**	**36**	**3.9**	2.1	U	2.2	U	2.1	U
Silver, Total	**SB**	**36**	**2**	0.42	U	0.43	U	0.42	U
Sodium, Total	**SB**	**NC**	**NC**	84	U	86	U	85	U
Thallium, Total	**SB**	**NC**	**NC**	2.1	U	2.2	U	2.1	U
Vanadium, Total	**150***	**NC**	**NC**	54		79		74	
Zinc, Total	**20**	**2200**	**109**	*48*		*67*		*61*	

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Bronx, New York
Phase II Environmental Site Assessment
Target Analyte List - Metals

LOCATION SAMPLING DATE LAB SAMPLE ID Units	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-12 (11-12) 7/19/2007 L0710362-13 mg/kg	Qual	TRC-SB-13 (15-17) 7/19/2007 L0710362-15 mg/kg	Qual
Total Metals							
Aluminum, Total	**SB**	**NC**	**NC**	15000		16000	
Antimony, Total	**SB**	**NC**	**NC**	2.1	U	2.2	U
Arsenic, Total	**7.5***	**16**	**13**	0.43		1.4	
Barium, Total	**300***	**350**	**350**	220		160	
Beryllium, Total	**0.16**	**14**	**7.2**	*2.2*		*2*	
Cadmium, Total	**1***	**2.5**	**2.5**	0.42	U	0.43	U
Calcium, Total	**SB**	**NC**	**NC**	3500		2700	
Chromium, Total	**10**	**NC**	**NC**	*27*		*73*	
Cobalt, Total	**30**	**NC**	**NC**	16		12	
Copper, Total	**25**	**270**	**50**	19		23	
Iron, Total	**2000***	**NC**	**NC**	*25000*		*28000*	
Lead, Total	**200-500**	**400**	**63**	2.1	U	3.1	
Magnesium, Total	**SB**	**NC**	**NC**	11000		10000	
Manganese, Total	**SB**	**2000**	**1600**	260		330	
Mercury, Total	**0.1**	**0.81**	**0.18**	0.09	U	0.08	U
Nickel, Total	**13**	**140**	**30**	*32*		*34*	
Potassium, Total	**SB**	**NC**	**NC**	8800		8500	
Selenium, Total	**2**	**36**	**3.9**	2.1	U	2.2	U
Silver, Total	**SB**	**36**	**2**	0.42	U	0.43	U
Sodium, Total	**SB**	**NC**	**NC**	84	U	86	U
Thallium, Total	**SB**	**NC**	**NC**	2.1	U	2.2	U
Vanadium, Total	**150***	**NC**	**NC**	51		62	
Zinc, Total	**20**	**2200**	**109**	*56*		*64*	

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Table 6
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Total Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-A/1 (3-6") 23-JUL-07 L0710597-01 mg/kg	Qual	TRC-SB-B/2 (0-3") 23-JUL-07 L0710597-02 mg/kg	Qual	TRC-SB-C/3 (3-6") 23-JUL-07 L0710597-03 mg/kg	Qual
Metals									
Lead, Total	200-500	400	63	*23000*		300		*7700*	

Sample Results Comparison with New York Restricted and New York Unrestricted Use, Residential Criteria.

TAGM = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum s

SB - Criteia is Site Background

* - Sample interval screened through metal sieve to remove all large pieces of lead and debris.

NC = No Criteria

TCLP = Toxicity Characteristic Leaching Procedure

Bold values exceed NY Restricted Use criteria

Shaded values exceed NY Unrestricted Use criteria

Italicized vallues exceed TAGM 500 mg/kg criteria

Table 6
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Total Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-D/4 (0-3") 23-JUL-07 L0710597-04 mg/kg	Qual	TRC-SB-E/5 (6"-1") 23-JUL-07 L0710597-05 mg/kg	Qual	TRC-SB-R/18 (6"-1')* 23-JUL-07 L0710597-18 mg/kg	Qual
Metals									
Lead, Total	200-500	400	63	*3600*		*10000*		*10000*	

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Italicized vallues exceed TAGM 500 mg/kg criteria

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Bronx, New York
Phase II Environmental Site Assessment
Total Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-F/6 (0-3") 23-JUL-07 L0710597-06 mg/kg	Qual	TRC-SB-G/7 (6"-1') 23-JUL-07 L0710597-07 mg/kg	Qual	TRC-SB-H/8 (0-3") 23-JUL-07 L0710597-08 mg/kg	Qual
Metals									
Lead, Total	200-500	400	63	*2300*		*3200*		*5500*	

Sample Results Comparison with New York Restricted and New York Unrestricted Use, Residential Criteria.

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Italicized vallues exceed TAGM 500 mg/kg criteria

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Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
Total Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-I/9 (0-3") 23-JUL-07 L0710597-09 mg/kg	Qual	TRC-SB-J/10 (0-3") 23-JUL-07 L0710597-10 mg/kg	Qual	TRC-SB-P/16 (6"-1') 23-JUL-07 L0710597-16 mg/kg	Qual
Metals									
Lead, Total	200-500	400	63	170		*2400*		180	

Sample Results Comparison with New York Restricted and New York Unrestricted Use, Residential Criteria.

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Phase II Environmental Site Assessment
Total Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-K/11 (0-3") 23-JUL-07 L0710597-11 mg/kg	Qual	TRC-SB-Q/17 (0-3")* 23-JUL-07 L0710597-17 mg/kg	Qual	TRC-SB-L/12 (3"-6") 23-JUL-07 L0710597-12 mg/kg	Qual
Metals									
Lead, Total	200-500	400	63	*3400*		*2900*		*5100*	

Sample Results Comparison with New York Restricted and New York Unrestricted Use, Residential Criteria.

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Italicized vallues exceed TAGM 500 mg/kg criteria

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Bronx, New York
Phase II Environmental Site Assessment
Total Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	TAGM 4046 Rec. Soil Cleanup Obj. mg/kg	Restricted Residential Use Soil Cleanup Objectives mg/kg	Unrestricted Residential Use Soil Cleanup Objectives mg/kg	TRC-SB-M/13 (0-3") 23-JUL-07 L0710597-13 mg/kg	Qual	TRC-SB-N/14 (0-3") 23-JUL-07 L0710597-14 mg/kg	Qual	TRC-SB-O/15 (0-3") 23-JUL-07 L0710597-15 mg/kg	Qual
Metals									
Lead, Total	**200-500**	**400**	**63**	260		81		48	

Sample Results Comparison with New York Restricted and New York Unrestricted Use, Residential Criteria.

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NC = No Criteria

TCLP = Toxicity Characteristic Leaching Procedure

Bold values exceed NY Restricted Use criteria

Shaded values exceed NY Unrestricted Use criteria

Italicized vallues exceed TAGM 500 mg/kg criteria

Table 7
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
TCLP Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	Hazardous Waste Criteria mg/l	TRC-SB-A/1 (3-6") 23-JUL-07 L0710597-01 mg/l	Qual	TRC-SB-B/2 (0-3") 23-JUL-07 L0710597-02 mg/l	Qual	TRC-SB-C/3 (3-6") 23-JUL-07 L0710597-03 mg/l	Qual
Metals							
Lead, TCLP	5	**1900**		45		NS	

Hazardous Waste Criteria - EPA 40 CFR Part 261 and 6NYCRR

* - Sample interval screened through metal sieve to remove all large pieces of lead and debris.

mg/l - milligrams per liter
NC = No Criteria
TCLP = Toxicity Characteristic Leaching Procedure
NS - Not sampled
Bold values exceed Hazardous Waste Criteria

Table 7
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
TCLP Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	Hazardous Waste Criteria mg/l	TRC-SB-D/4 (0-3") 23-JUL-07 L0710597-04 mg/l	Qual	TRC-SB-E/5 (6"-1") 23-JUL-07 L0710597-05 mg/l	Qual	TRC-SB-R/18 (6"-1')* 23-JUL-07 L0710597-18 mg/l	Qual
Metals							
Lead, TCLP	5	NS		**840**		**750**	

Hazardous Waste Criteria - EPA 40 CFR Part 261 and 6NYCRF

* - Sample interval screened through metal sieve to remove all l

mg/l - milligrams per liter
NC = No Criteria
TCLP = Toxicity Characteristic Leaching Procedure
NS - Not sampled
Bold values exceed Hazardous Waste Criteria

Table 7
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
TCLP Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	Hazardous Waste Criteria mg/l	TRC-SB-F/6 (0-3") 23-JUL-07 L0710597-06 mg/l	Qual	TRC-SB-G/7 (6"-1') 23-JUL-07 L0710597-07 mg/l	Qual	TRC-SB-H/8 (0-3") 23-JUL-07 L0710597-08 mg/l	Qual
Metals							
Lead, TCLP	5	NS		NS		99	

Hazardous Waste Criteria - EPA 40 CFR Part 261 and 6NYCRF

* - Sample interval screened through metal sieve to remove all l

mg/l - milligrams per liter
NC = No Criteria
TCLP = Toxicity Characteristic Leaching Procedure
NS - Not sampled
Bold values exceed Hazardous Waste Criteria

Table 7
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
TCLP Lead

LOCATION	Hazardous Waste	TRC-SB-I/9 (0-3")		TRC-SB-J/10 (0-3")		TRC-SB-P/16 (6"-1')	
SAMPLING DATE	Criteria	23-JUL-07		23-JUL-07		23-JUL-07	
LAB SAMPLE ID		L0710597-09		L0710597-10		L0710597-16	
UNITS	mg/l	mg/l	Qual	mg/l	Qual	mg/l	Qual
Metals							
Lead, TCLP	5	NS		**100**		4.2	

Hazardous Waste Criteria - EPA 40 CFR Part 261 and 6NYCRF

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mg/l - milligrams per liter
NC = No Criteria
TCLP = Toxicity Characteristic Leaching Procedure
NS - Not sampled
Bold values exceed Hazardous Waste Criteria

Table 7
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
TCLP Lead

LOCATION	Hazardous Waste	TRC-SB-K/11 (0-3")		TRC-SB-Q/17 (0-3")*		TRC-SB-L/12 (3"-6")	
SAMPLING DATE	Criteria	23-JUL-07		23-JUL-07		23-JUL-07	
LAB SAMPLE ID		L0710597-11		L0710597-17		L0710597-12	
UNITS	mg/l	mg/l	Qual	mg/l	Qual	mg/l	Qual
Metals							
Lead, TCLP	5	**140**		94		NS	

Hazardous Waste Criteria - EPA 40 CFR Part 261 and 6NYCRF

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Table 7
Kingsbridge Armory
Bronx, New York
Phase II Environmental Site Assessment
TCLP Lead

LOCATION SAMPLING DATE LAB SAMPLE ID UNITS	Hazardous Waste Criteria mg/l	TRC-SB-M/13 (0-3") 23-JUL-07 L0710597-13 mg/l	Qual	TRC-SB-N/14 (0-3") 23-JUL-07 L0710597-14 mg/l	Qual	TRC-SB-O/15 (0-3") 23-JUL-07 L0710597-15 mg/l	Qual
Metals							
Lead, TCLP	**5**	1.6		0.5	U	NS	

Hazardous Waste Criteria - EPA 40 CFR Part 261 and 6NYCRF

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mg/l - milligrams per liter
NC = No Criteria
TCLP = Toxicity Characteristic Leaching Procedure
NS - Not sampled
Bold values exceed Hazardous Waste Criteria

Table 8
Kingsbridge Armory
Bronx, New York
Groundwater Sampling Results
VOCs

LOCATION	TOGS	TRC-MW-1		TRC-MW-2		TRC-MW-3		TRC-MW-5		TRC-BLANK		TRIP BLANK	
SAMPLING DATE	GA	06-AUG-07		06-AUG-07		06-AUG-07		06-AUG-07		06-AUG-07		01-AUG-07	
LAB SAMPLE ID	STANDARD	L0711343-01		L0711343-02		L0711343-03		L0711343-04		L0711343-05		L0711343-06	
Units	ug/l	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual
Volatile Organics by EPA 8260B													
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethane	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	5	U	5	U	5	U	5	U	5	U	5	U
1,2,4,5-Tetramethylbenzene	5	0.5	U	0.5	U	0.5	U	0.51		0.5	U	0.5	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	5	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethylbenzene	NC	0.5	U	0.5	U	0.5	U	0.58		0.5	U	0.5	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U	5	U
4-Ethyltoluene	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	NC	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	10		5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	60	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Table 8
Kingsbridge Armory
Bronx, New York
Groundwater Sampling Results
VOCs

LOCATION	TOGS	TRC-MW-1		TRC-MW-2		TRC-MW-3		TRC-MW-5		TRC-BLANK		TRIP BLANK	
SAMPLING DATE	GA	06-AUG-07		06-AUG-07		06-AUG-07		06-AUG-07		06-AUG-07		01-AUG-07	
LAB SAMPLE ID	STANDARD	L0711343-01		L0711343-02		L0711343-03		L0711343-04		L0711343-05		L0711343-06	
Units	ug/l	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual
Chloroethane	**5**	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	**7**	0.75	U	0.75	U	0.75	U	0.81		0.75	U	0.75	U
Chloromethane	**5**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	**0.4**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	**50**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	**5**	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	**5**	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	**0.5**	0.6	U	**0.63**		0.6	U	0.6	U	0.6	U	0.6	U
Isopropylbenzene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert butyl ether	**10**	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	**5**	5	U	5	U	5	U	5	U	5	U	5	U
n-Butylbenzene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	**10**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	**5**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	**5**	1	U	1	U	1	U	1	U	1	U	1	U
p-Chlorotoluene	**5**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Isopropyltoluene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p/m-Xylene	**5**	1	U	1	U	1	U	1	U	1	U	1	U
sec-Butylbenzene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	**5**	1	U	1	U	1	U	1	U	1	U	1	U
tert-Butylbenzene	**5**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	**5**	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
trans-1,2-Dichloroethene	**5**	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
trans-1,3-Dichloropropene	**0.4**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	**5**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	**5**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	**NC**	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	**2**	1	U	1	U	1	U	1	U	1	U	1	U

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All results given in micrograms per liter (ug/L)
U - Concentration less than the minimum detection limit.
NC - No guidance criteria establised for this compound
Bold values exceed TOGS GA Standard criteria

Table 9
Kingsbridge Armory
Bronx, New York
Groundwater Sampling Results
SVOCs

LOCATION	TOGS	TRC-MW-1		TRC-MW-2		TRC-MW-3		TRC-MW-5		TRC-BLANK	
SAMPLING DATE	GA	06-AUG-07		06-AUG-07		06-AUG-07		06-AUG-07		06-AUG-07	
LAB SAMPLE ID	STANDARD	L0711343-01		L0711343-02		L0711343-03		L0711343-04		L0711343-05	
Units	ug/l	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual
Semivolatile Organics by EPA 8270C											
1,2,4,5-Tetrachlorobenzene	5	20	U	20	U	19	U	19	U	20	U
1,2,4-Trichlorobenzene	5	4.9	U	5	U	4.8	U	4.8	U	4.9	U
1,2-Dichlorobenzene	3	4.9	U	5	U	4.8	U	4.8	U	4.9	U
1,3-Dichlorobenzene	3	4.9	U	5	U	4.8	U	4.8	U	4.9	U
1,4-Dichlorobenzene	3	4.9	U	5	U	4.8	U	4.8	U	4.9	U
2,4,5-Trichlorophenol	NC	4.9	U	5	U	4.8	U	4.8	U	4.9	U
2,4,6-Trichlorophenol	NC	4.9	U	5	U	4.8	U	4.8	U	4.9	U
2,4-Dichlorophenol	5	9.8	U	10	U	9.6	U	9.6	U	9.9	U
2,4-Dimethylphenol	50	9.8	U	10	U	9.6	U	9.6	U	9.9	U
2,4-Dinitrophenol	10	29	U	30	U	29	U	29	U	30	U
2,4-Dinitrotoluene	5	5.9	U	6	U	5.7	U	5.8	U	5.9	U
2,6-Dinitrotoluene	5	4.9	U	5	U	4.8	U	4.8	U	4.9	U
2-Chloronaphthalene	10	5.9	U	6	U	5.7	U	5.8	U	5.9	U
2-Chlorophenol	NC	5.9	U	6	U	5.7	U	5.8	U	5.9	U
2-Methylnaphthalene	NC	4.9	U	5	U	4.8	U	4.8	U	4.9	U
2-Methylphenol	NC	5.9	U	6	U	5.7	U	5.8	U	5.9	U
2-Nitroaniline	5	4.9	U	5	U	4.8	U	4.8	U	4.9	U
2-Nitrophenol	NC	20	U	20	U	19	U	19	U	20	U
3,3'-Dichlorobenzidine	5	49	U	50	U	48	U	48	U	49	U
3-Methylphenol/4-Methylphenol	NC	5.9	U	6	U	5.7	U	5.8	U	5.9	U
3-Nitroaniline	5	4.9	U	5	U	4.8	U	4.8	U	4.9	U
4,6-Dinitro-o-cresol	NC	20	U	20	U	19	U	19	U	20	U
4-Bromophenyl phenyl ether	NC	4.9	U	5	U	4.8	U	4.8	U	4.9	U
4-Chloroaniline	5	4.9	U	5	U	4.8	U	4.8	U	4.9	U
4-Chlorophenyl phenyl ether	NC	4.9	U	5	U	4.8	U	4.8	U	4.9	U
4-Nitroaniline	5	6.8	U	7	U	6.7	U	6.7	U	6.9	U
4-Nitrophenol	NC	9.8	U	10	U	9.6	U	9.6	U	9.9	U
Acenaphthene	20	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Acenaphthylene	NC	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Acetophenone	NC	20	U	20	U	19	U	19	U	20	U
Anthracene	50	4.9	U	5	U	4.8	U	4.8	U	4.9	U

Table 9
Kingsbridge Armory
Bronx, New York
Groundwater Sampling Results
SVOCs

LOCATION	TOGS	TRC-MW-1		TRC-MW-2		TRC-MW-3		TRC-MW-5		TRC-BLANK	
SAMPLING DATE	GA	06-AUG-07		06-AUG-07		06-AUG-07		06-AUG-07		06-AUG-07	
LAB SAMPLE ID	STANDARD	L0711343-01		L0711343-02		L0711343-03		L0711343-04		L0711343-05	
Units	ug/l	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual
Benzo(a)anthracene	**0.002**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Benzo(a)pyrene	**NC**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Benzo(b)fluoranthene	**0.002**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Benzo(ghi)perylene	**NC**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Benzo(k)fluoranthene	**0.002**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Benzoic Acid	**NC**	49	U	50	U	48	U	48	U	49	U
Benzyl Alcohol	**NC**	9.8	U	10	U	9.6	U	9.6	U	9.9	U
Biphenyl	**5**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Bis(2-chloroethoxy)methane	**5**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Bis(2-chloroethyl)ether	**1**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Bis(2-chloroisopropyl)ether	**NC**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Bis(2-Ethylhexyl)phthalate	**5**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Butyl benzyl phthalate	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Carbazole	**NC**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Chrysene	**0.002**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Di-n-butylphthalate	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Di-n-octylphthalate	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Dibenzo(a,h)anthracene	**NC**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Dibenzofuran	**NC**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Diethyl phthalate	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Dimethyl phthalate	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Fluoranthene	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Fluorene	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Hexachlorobenzene	**0.04**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Hexachlorobutadiene	**0.5**	9.8	U	10	U	9.6	U	9.6	U	9.9	U
Hexachlorocyclopentadiene	**5**	29	U	30	U	29	U	29	U	30	U
Hexachloroethane	**5**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Indeno(1,2,3-cd)Pyrene	**0.002**	6.8	U	7	U	6.7	U	6.7	U	6.9	U
Isophorone	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
n-Nitrosodi-n-propylamine	**NC**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Naphthalene	**10**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Nitrobenzene	**0.4**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
NitrosoDiPhenylAmine(NDPA)/DPA	**NC**	15	U	15	U	14	U	14	U	15	U
P-Chloro-M-Cresol	**NC**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Pentachlorophenol	**1**	9.8	U	10	U	9.6	U	9.6	U	9.9	U
Phenanthrene	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U
Phenol	**1**	6.8	U	7	U	6.7	U	6.7	U	6.9	U
Pyrene	**50**	4.9	U	5	U	4.8	U	4.8	U	4.9	U

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All results given in micrograms per liter (ug/L)
U - Concentration less than the minimum detection limit.
NC - No guidance criteria establised for this compound

Table 10
Kingsbridge Armory
Bronx, New York
Groundwater Sampling Results
Total Metals

LOCATION	TOGs	TRC-MW-1		TRC-MW-2		TRC-MW-3		TRC-MW-5		TRC-BLANK	
SAMPLING DATE	GA	08/06/07		08/06/07		08/06/07		08/06/07		08/06/07	
LAB SAMPLE ID	STANDARD	L0711343-01		L0711343-02		L0711343-03		L0711343-04		L0711343-05	
Units	ug/l	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual
Total Metals											
Aluminum, Total	NC	2100		310		2000		700		100	U
Antimony, Total	3	50	U	50	U	50	U	50	U	50	U
Arsenic, Total	25	5	U	5	U	5	U	5	U	5	U
Barium, Total	1000	212		94		135		127		10	U
Beryllium, Total	3	5	U	5	U	5	U	5	U	5	U
Cadmium, Total	5	5	U	5	U	5	U	5	U	5	U
Calcium, Total	NC	160000		180000		230000		180000		100	U
Chromium, Total	50	10		10	U	10	U	10	U	10	U
Cobalt, Total	NC	20	U	20	U	20	U	20	U	20	U
Copper, Total	200	65		10	U	10	U	10	U	10	U
Iron, Total	300	**3200**		**380**		**2700**		**1000**		50	U
Lead, Total	25	10	U	10	U	10	U	10	U	10	U
Magnesium, Total	35000	**43000**		**47000**		**64000**		**44000**		100	U
Manganese, Total	300	**632**		**1120**		**473**		**1440**		10	U
Mercury, Total	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Total	100	25	U	25	U	25	U	25	U	25	U
Potassium, Total	NC	14000		24000		31000		21000		2500	U
Selenium, Total	10	10	U	10	U	10	U	10	U	10	U
Silver, Total	50	7	U	7	U	7	U	7	U	7	U
Sodium, Total	20000	**190000**		**390000**		**840000**		**160000**		2000	U
Thallium, Total	0.5	20	U	20	U	20	U	20	U	20	U
Vanadium, Total	NC	10	U	10	U	10	U	10	U	10	U
Zinc, Total	2000	50	U	50	U	50	U	50	U	50	U

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All results given in micrograms per liter (ug/L)
U - Concentration less than the minimum detection limit.
NC - No guidance criteria establised for this compound
Bold values exceed TOGS GA Standard criteria

Table 11
Kingsbridge Armory
Bronx, New York
Groundwater Sampling Results
Dissolved Metals

LOCATION	TOGs	TRC-MW-1		TRC-MW-2		TRC-MW-3		TRC-MW-5		TRC-BLANK	
SAMPLING DATE	GA	08/06/07		08/06/07		08/06/07		08/06/07		08/06/07	
LAB SAMPLE ID	STANDARD	L0711343-01		L0711343-02		L0711343-03		L0711343-04		L0711343-05	
Units	ug/l	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual	ug/l	Qual
Dissolved Metals											
Aluminum, Dissolved	NC	100	U	100	U	100	U	100	U	100	U
Antimony, Dissolved	3	50	U	50	U	50	U	50	U	50	U
Arsenic, Dissolved	25	5	U	5	U	5	U	5	U	5	U
Barium, Dissolved	1000	188		87		116		118		10	U
Beryllium, Dissolved	3	5	U	5	U	5	U	5	U	5	U
Cadmium, Dissolved	5	5	U	5	U	5	U	5	U	5	U
Calcium, Dissolved	NC	160000		180000		230000		180000		100	U
Chromium, Dissolved	50	10	U	10	U	10	U	10	U	10	U
Cobalt, Dissolved	NC	20	U	20	U	20	U	20	U	20	U
Copper, Dissolved	200	32		10	U	10	U	10	U	10	U
Iron, Dissolved	300	50	U	50	U	50	U	50	U	50	U
Lead, Dissolved	25	10	U	10	U	10	U	10	U	10	U
Magnesium, Dissolved	35000	**40000**		**45000**		**61000**		**42000**		100	U
Manganese, Dissolved	300	**522**		**1050**		**400**		**1360**		10	U
Mercury, Dissolved	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	100	25	U	25	U	25	U	25	U	25	U
Potassium, Dissolved	NC	12000		22000		28000		20000		2500	U
Selenium, Dissolved	10	10	U	10	U	10	U	10		10	U
Silver, Dissolved	50	7	U	7	U	7	U	7	U	7	U
Sodium, Dissolved	20000	**180000**		**370000**		**820000**		**150000**		2000	U
Thallium, Dissolved	0.5	20	U	20	U	20	U	20	U	20	U
Vanadium, Dissolved	NC	10	U	10	U	10	U	10	U	10	U
Zinc, Dissolved	2000	50	U	50	U	50	U	50	U	50	U

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U - Concentration less than the minimum detection limit.
NC - No guidance criteria establised for this compound
Bold values exceed TOGS GA Standard criteria

Table 12
Groundwater Table Elevation Measurements
Kingsbridge Armory, Bronx, New York

Well	Diameter (inches)	Depth of Well (feet)	Surveyed Top of Casing	Depth to Water*	Water Elevation August 2007
MW-1	2	40	140.28	29.88	**110.40**
MW-2	2	39	139.74	29.32	**110.42**
MW-3	2	38	138.91	26.72	**112.19**
MW-5	2	37	138.91	26.69	**112.22**

Notes:

Elevations refer to the Bronx Borough Datum.

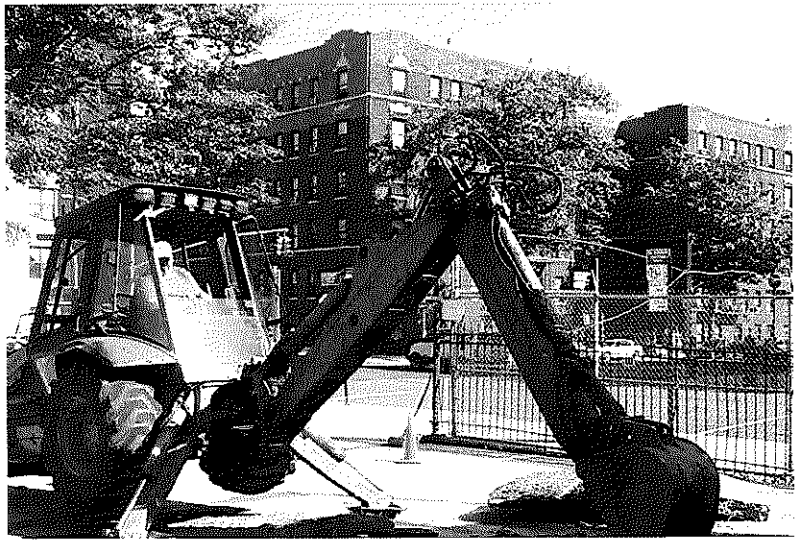
* - Measured from top of well casing.

APPENDIX A

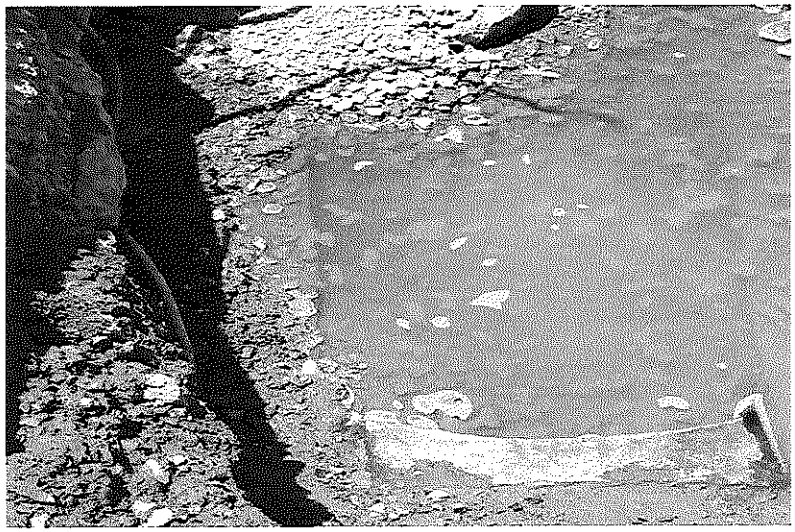
SITE PHOTOGRAPHS



Photograph 1. Former tank location, now covered by guard house.



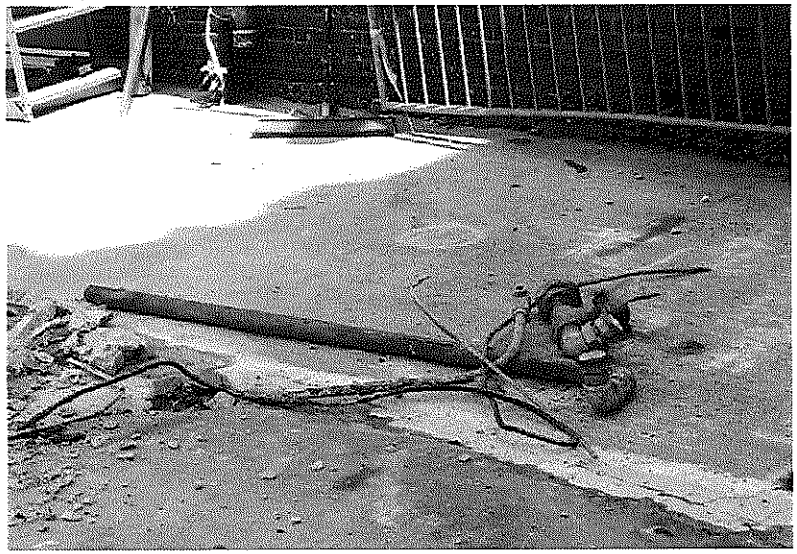
Photograph 2. Excavator digging test pit #3.



Photograph 3. Exposed tank in test pit #2.



Photograph 4. Test pit #2 backfilled to grade.



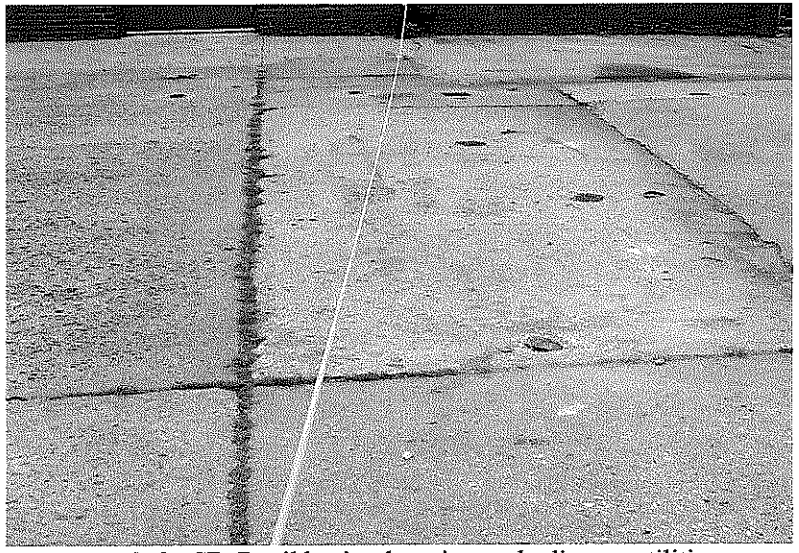
Photograph 5. UST piping removed from test pit.



Photograph 6. ADT drilling rig and crew at MW-2 location.



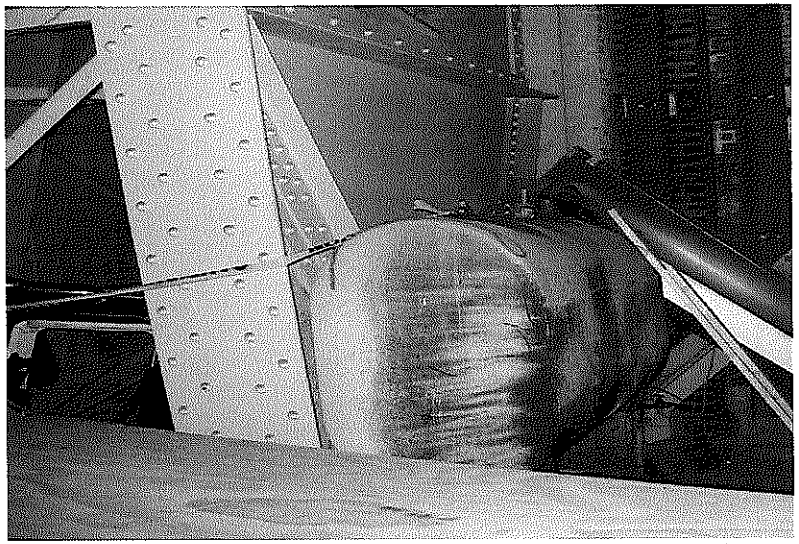
Photograph 7. Zebra Environmental Geoprobe truck and SB-10 soil boring location.



Photograph 8. SB-7 soil boring location and adjacent utilities.



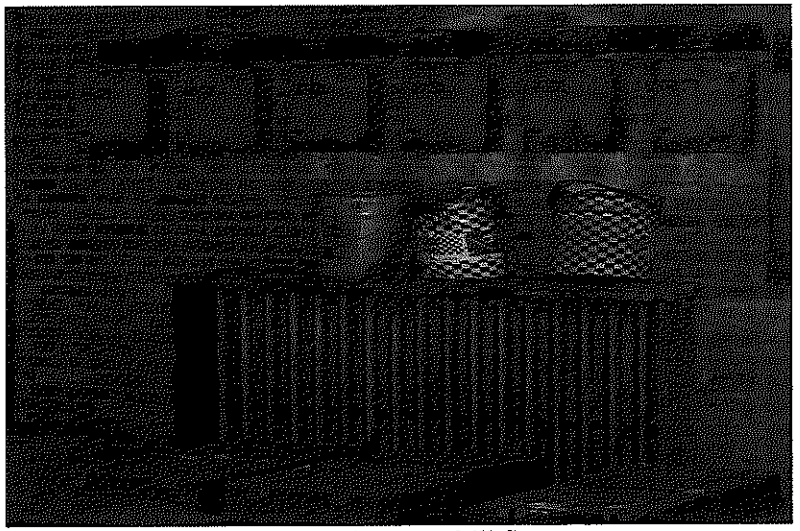
Photograph 9. 55 gallon drums located in basement of Armory near 195th Street ramp.



Photograph 10. Above ground storage tank located on Drill Floor.



Photograph 11. 55 gallon drums located in basement of Armory.



Photograph 12. 5 gallon buckets on drill floor.

APPENDIX B

BORING LOGS/WELL CONSTRUCTION LOGS

BORING LOG

BORING SB-1
SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		140.51 ft	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	20 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above) f - fine m - medium c - coarse Lt - light Dk - dark tr - trace lit - little	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	24"	NA NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-2' Brown, SAND, gravel	N/S, N/O PID = 0 ppm Dry
2	24"	NA NA NA NA NA NA NA NA NA NA	6 8 10		5'-10' Black Brown, Silty SAND and gravel	N/S, N/O PID = 0 ppm Dry
3	24"	NA NA NA NA NA NA NA NA NA NA	12 14		10'-15' Black Brown, Silty SAND and gravel	N/S, Slight Petroleum Odor PID = 0 ppm Dry Sample collected: TRC-SB-1 ('13-15')
4	36"	NA NA NA NA NA NA NA NA NA NA	16 18 20		15'-20' Brown, fg SAND, some clay, some weathered rock End of Boring	N/S, N/O PID = 0 ppm Wet

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-2
SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		140.59	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	20 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above) f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	30"	NA NA NA NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-1.5' Black Brown, Silty SAND and gravel 1.5'-2.5' Brown, fg SAND	N/S, N/O PID = 0 ppm Dry
2	30"	NA NA NA NA NA NA NA NA NA NA NA NA	6 8 10		5'-10' Brown, fg-cg SAND micacious, large gravel	N/S, N/O PID = 0 ppm Dry
3	30"	NA NA NA NA NA NA NA NA NA NA NA NA	12 14		10'-15' Brown, fg-cg SAND micacious, large gravel	N/S, N/O PID = 0 ppm Dry 13'-15' Slight Petroleum Odor Sample collected: TRC-SB-2 ('13-15')
4	30"	NA NA NA NA NA NA NA NA NA NA NA NA	16 18 20		15'-20' Brown fg SAND, some clay, rounded gravel, and weathered rock End of Boring	N/S, N/O PID = 0 ppm Dry

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-3
SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		**ELEVATION/DATUM**	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		140.04	
DRILLING CONTRACTOR	**DRILLER**	**INSPECTOR**	
Zebra	Even	Samuel Monte	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH**	**WATER LEVEL**
5' Macrocore	Pneumatic Hammer	20 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	30"	NA NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-2.5' Black Brown, Silty SAND with large gravel	N/S, N/O PID = 0 ppm Dry
2	48"	NA NA NA NA NA NA NA NA NA NA	6 8 10		5'-10' Brown, Silty SAND micaclous, some CINDER (Black shinny rock), some weathered rock	N/S, N/O PID = 0 ppm Dry
3	48"	NA NA NA NA NA NA NA NA NA NA	12 14		10'-15' Brown Gray, Clayey SAND	N/S, N/O PID = 0 ppm Damp Sample collected: TRC-SB-3 ('12-14')
4	48"	NA NA NA NA NA NA NA NA NA NA	16 18 20		15'-20' Brown Gray, Clayey SAND, molted End of Boring	N/S, N/O PID = 0 ppm Damp

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-4
SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		140.28	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	30 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace lit - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
		NA			0-5'	N/S, N/O
		NA			0-6" Concrete	PID = 0 ppm
		NA			6"-2' FILL Material, ROCK, SAND, GRAVEL	Dry
		NA				
1	24"	NA	2			
		NA				
		NA				
		NA				
		NA	4			
		NA				
		NA				
		NA			5'-10' Black Brown, Silty SAND and gravel	N/S, Slight Petroleum Odor
		NA				PID = 0 ppm
		NA	6			Dry
		NA				
2	30"	NA				
		NA	8			
		NA				
		NA				
		NA				
		NA				9' Wet
		NA	10			Sample collected: TRC-SB-4 (7'-9')
		NA			10'-15' Brown Gray, Silty SAND, some weathered rock	N/S, N/O
		NA				PID = 0 ppm
		NA				Damp
		NA				
3	36"	NA	12			
		NA				
		NA				
		NA				
		NA	14			
		NA				
		NA				
		NA			15'-20' Brown Gray, Silty SAND, some weathered rock	N/S, N/O
		NA				PID = 0 ppm
		NA	16			Damp
		NA				
		NA				
4	36"	NA				
		NA	18			
		NA				
		NA				
		NA				
		NA	20			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING LOG

BORING SB-4
SHEET 2 OF 2

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		140.28	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	30 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
5	36"	NA NA NA NA NA NA NA NA NA NA	22 24		20'-25' Brown Gray, Silty SAND, some weathered rock	N/S, N/O PID = 0 ppm Damp
6	36"	NA NA NA NA NA NA NA NA NA NA	26 28 30		25'-30' 25'-28.5' Brown Gray, Silty SAND, some weathered rock 28.5'-30' Red Brown, fg SAND End of Boring	N/S, N/O PID = 0 ppm Damp N/S, N/O PID = 0 ppm Wet
			32 34 36 38 40			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING LOG

BORING SB-5
SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.10	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	30 ft	NA

SAMPLES			DEPTH	WATER	DESCRIPTION OF SOILS	REMARKS
NUMBER	RECOVERY IN INCHES	BLOWS PER 6"			{SAA = Same As Above} f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
		NA			0-5'	N/S, N/O
		NA			0-6" Concrete	PID = 0 ppm
		NA			6"-2.5' FILL, BRICK, SAND, GRAVEL	Dry
		NA				
1	30"	NA	2			
		NA				
		NA				
		NA				
		NA	4			
		NA				
		NA			5'-10' Brown, Silty f-m SAND and f gravel	N/S, N/O
		NA	6		1.5" Weathered rock	PID = 0 ppm
		NA				Dry
2	36"	NA				
		NA	8			
		NA				
		NA				
		NA				
		NA	10			
		NA			10'-15' Brown, Silty f-m SAND and f gravel	N/S, N/O
		NA			1.5" Weathered rock	PID = 0 ppm
		NA				Damp
		NA	12			
3	36"	NA				
		NA				
		NA				
		NA	14			
		NA				
		NA				
		NA			15'-20' Brown, Silty f-m SAND and f gravel	N/S, N/O
		NA	16			PID = 0 ppm
		NA			2.5" Weathered rock	Damp
		NA				
4	48"	NA				
		NA	18			
		NA				
		NA				
		NA				
		NA	20			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-5
SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.10	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	30 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS ({SAA = Same As Above}; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS (Moisture =Dry, Moist, or Wet; {PID, STAINING, ODORS, ETC.}; N/S = No Staining; N/O = No odors)
5	48"	NA NA NA NA NA NA NA NA NA NA	22 – 24		20'-25' Brown, Silty f-m SAND and f gravel, weathered rock throughout	N/S, N/O PID = 0 ppm Damp Sample collected: TRC-SB-5 (23'-25')
6	48"	NA NA NA NA NA NA NA NA NA NA	26 – 28 – 30		25'-30' 0-2.5" Brown, Silty f-m SAND and f gravel, weathered rock throughout 2.5"-3.0" 6" Black, weathered rock layer with pink weathered rock 3.0"-4.0" Brown, fg SAND End of Boring	N/S, N/O PID = 0 ppm Damp N/S, N/O PID = 0 ppm Wet
			32 – 34 – 36 – 38 – 40			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-6
SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.33	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	20 ft	NA

SAMPLES			DEPTH	WATER	DESCRIPTION OF SOILS	REMARKS
NUMBER	RECOVERY IN INCHES	BLOWS PER 6"			(SAA = Same As Above) f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
		NA			0-5'	N/S, N/O
		NA			0-6" Concrete	PID = 0 ppm
		NA			6"-3' Black Brown, Silty SAND, weathered rock	Dry
		NA				
1	36"	NA	2			
		NA				
		NA				
		NA				
		NA	4			
		NA				
		NA			5'-10' Brown, fg SAND, weathered rock	N/S, N/O
		NA				PID = 0 ppm
		NA	6			Dry
2	24"	NA				
		NA				
		NA	8			
		NA				
		NA				
		NA	10			
		NA			10'-15' Brown, fg SAND, weathered rock	N/S, N/O
		NA				PID = 0 ppm
		NA				Dry
3	30"	NA	12			
		NA				
		NA				
		NA	14			
		NA				
		NA				
		NA			15'-20' Brown, fg SAND, weathered rock	N/S, N/O
		NA	16			PID = 0 ppm
		NA				Dry
		NA				Sample collected: TRC-SB-6 (15'-17')
4	60"	NA				
		NA	18			
		NA				18' Damp
		NA				
		NA				
		NA	20		End of Boring	

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING LOG

BORING SB-7
SHEET 1 OF 2

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.15	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	25 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	30"	NA NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-1.5' Black Brown FILL materials 1.5'-2.5' Brown, Silty fg SAND, some gravel, weathered rock	N/S, N/O PID = 0 ppm Dry
2	48"	NA NA NA NA NA NA NA NA NA NA	6 8 10		5'-10' Brown, Silty f-c SAND, weathered rock	N/S, N/O PID = 0 ppm Dry
3	30"	NA NA NA NA NA NA NA NA NA NA	12 14		10'-15' 0-1.0" Weathered ROCK layer 1.0"-2.5"- Brown Black, Silty fg SAND, micaclous with some weathered rock	N/S, N/O PID = 0 ppm Dry
4	24"	NA NA NA NA NA NA NA NA NA NA	16 18 20		15'-20' 0-1.75" Gray Brown, Silty SAND with gravel and weathered rock 1.75"-2.0" Brown, Sandy SILT	N/S, N/O PID = 0 ppm Damp Sample collected: TRC-SB-7 (18'-20')

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-7
SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.15	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	25 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
		NA			20'-25' Brown, Sandy SILT with gravel	N/S, N/O
		NA				PID = 0 ppm
		NA				Damp/Wet
		NA	22			
5	36"	NA				
		NA				
		NA				
		NA				
		NA	24			
		NA			End of Boring	
			26			
			28			
			30			
			32			
			34			
			36			
			38			
			40			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-8
SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		138.88	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	25 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
		NA			0-5'	N/S, N/O
		NA			0-6" Concrete	PID = 0 ppm
		NA			6"-1.5' Orange Brown SAND with round gravel	Dry
		NA	2			
1	30"	NA			1.5'-2.5' Dk Brown, Silty SAND with gravel	N/S, N/O
		NA				PID = 0 ppm
		NA				Damp
		NA				
		NA	4			
		NA				
		NA			5'-10' Dk Brown, Silty SAND with gravel	N/S, N/O
		NA				PID = 0 ppm
		NA	6			Damp
		NA				
2	24"	NA				
		NA	8			
		NA				
		NA				
		NA				
		NA	10		10'-15' Lt-Dk Brown, Silty SAND with gravel	N/S, N/O
		NA				PID = 0 ppm
		NA				Damp
		NA				
3	24"	NA	12			
		NA				
		NA				
		NA				
		NA	14			
		NA				
		NA				
		NA			15'-20'	N/S, N/O
		NA			0-2.5" Lt-Dk Brown, Silty SAND with gravel	PID = 0 ppm
		NA	16			Wet
		NA				
4	36"	NA			2.5"-3" Black, fg SAND	Stain, Odor
		NA				PID = 202 ppm
		NA	18			Wet
		NA				Sample collected: TRC-SB-8 (18'-20')
		NA				
		NA	20			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING LOG

BORING SB-8
SHEET 2 OF 2

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		138.88	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	25 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
		NA			20'-25' Brown, Clayey SILT and weathered	N/S, N/O
		NA				PID = 0 ppm
		NA				Wet
		NA	22			
5	48"	NA				
		NA				
		NA				Sample collected: TRC-SB-8 (23'-25')
		NA	24			
		NA				
		NA			End of Boring	
			26			
			28			
			30			
			32			
			34			
			36			
			38			
			40			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-9
SHEET 1 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.24	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	30 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS {SAA = Same As Above} f - fine m - medium c - coarse Lt - light Dk - dark tr - trace lit - little	REMARKS Moisture =Dry, Moist, or Wet {PID, STAINING, ODORS, ETC.} N/S = No Staining N/O = No odors
1	24"	NA NA NA NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-2' Brown, micacious Silty SAND, with weathered rock	N/S, N/O PID = 0 ppm Dry
2	36"	NA NA NA NA NA NA NA NA NA NA NA NA	6 8 10		5'-10' 0-1.5" Brown, micacious Silty SAND, with weathered rock 1.5"-3.0" Orange and Brown, SAND, with weathered rock and round gravel	N/S, N/O PID = 0 ppm Dry
3	48"	NA NA NA NA NA NA NA NA NA NA NA NA	12 14		10'-15' Brown-Dk Brown, fg SAND, weathered rock throughout	N/S, N/O PID = 0 ppm Dry
4	60"	NA NA NA NA NA NA NA NA NA NA NA NA	16 18 20		15'-20' Brown Gray, fg SAND, some weathered rock	N/S, N/O PID = 0 ppm Damp

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-9
SHEET 2 OF 2

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.24	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	30 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
5	60"	NA NA NA NA NA NA NA NA NA NA	22 24		20'-25' Brown Gray, fg SAND, weathered rock at bottom	N/S, N/O PID = 0 ppm Slightly Damp Sample collected: TRC-SB-9 (24'-26')
6	60"	NA NA NA NA NA NA NA NA NA NA	26 28		25'-30' 0-1.5" Brown Gray, fg SAND, weathered rock at bottom 1.5'-05' Lt Brown, fg SAND	N/S, N/O PID = 0 ppm Slightly Damp Wet 27' Wet
			30 32 34 36 38 40		End of Boring	

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING LOG

BORING SB-10
SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.24	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	20 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS {SAA = Same As Above} f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	18"	NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-1.5' Black Brown, FILL, SAND	N/S, N/O PID = 0 ppm Dry
2	30"	NA NA NA NA NA NA NA NA NA	6 8		5'-10' Black Brown, micacious silt, fg SAND, weathered rock at bottom of shoe	N/S, N/O PID = 0 ppm Dry
3	42"	NA NA NA NA NA NA NA NA NA	10 12 14		10'-15' Dk Brown/Black/Gray SILT, fg SAND micacious, some weathered rock	N/S, N/O PID = 0 ppm Dry
4	60"	NA NA NA NA NA NA NA NA NA NA NA	16 18 20		15'-19.5' Dk Brown/Black/Gray, silt, fg SAND, micacious, some weathered rock 19.5'-20' Brown, fg SAND End of Boring	N/S, N/O PID = 0 ppm Dry Sample collected: TRC-SB-10 (16'-18') N/S, N/O PID = 0 ppm Damp-Wet

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING LOG

BORING SB-11
SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		ELEVATION/DATUM	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.27	
DRILLING CONTRACTOR	DRILLER	INSPECTOR	
Zebra	Even	Samuel Monte	
DRILLING RIG	TYPE/SIZE BIT	START DATE	END DATE
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	HAMMER WEIGHT/DROP	TOTAL DEPTH	WATER LEVEL
5' Macrocore	Pneumatic Hammer	19 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace lit - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	30"	NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-1 ' Fill (ROCK, SAND) 1'-2.5' Dk Brown, f-m SAND, some weathered rock	N/S, N/O PID = 0 ppm Dry
2	36"	NA NA NA NA NA NA NA NA NA	6 8 10		5'-10' 0-2.5" Orange, f-m-SAND, some weathered rock 2.5"-3" - Lt Brown, f SAND and rounded gravel	N/S, N/O PID = 0 ppm Dry
3	48"	NA NA NA NA NA NA NA NA NA	12 14		10'-15' 0-1" Brown, Silty fg SAND, micacious 1"-4" Layers of Brown, Silty fg SAND, micacious and weathered rock	N/S, N/O PID = 0 ppm Dry Sample collected: TRC-SB-11 (10'-12')
4	48"	NA NA NA NA NA NA NA NA	16 18		15'-19' Brown, Silty fg SAND, weathered rock Weathered Rock or Boulder Refusal at 19 ft End of Boring	N/S, N/O PID = 0 ppm Slightly Damp
			20			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING LOG

BORING SB-12
SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		**ELEVATION/DATUM**	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.21	
DRILLING CONTRACTOR	**DRILLER**	**INSPECTOR**	
Zebra	Even	Samuel Monte	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH**	**WATER LEVEL**
5' Macrocore	Pneumatic Hammer	12.5 ft	NA

SAMPLES NUMBER	SAMPLES RECOVERY IN INCHES	SAMPLES BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	24"	NA NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-1 ' Dk Brown, Gravely m SAND 1'-2' Yellow, f-m g SAND	N/S, N/O PID = 0 ppm Dry
2	48"	NA NA NA NA NA NA NA NA NA NA	6 8 10		5'-10' Dk Brown, Silty f-c SAND, micacious	N/S, N/O PID = 0 ppm Damp
3	24"	NA NA NA NA NA	12		10'-12' 10'-11' Dk Brown, Silty f-c SAND, micacious 11'-12' Black, fg SAND Weathered rock in shoe	N/S, N/O PID = 0 ppm Damp Sample collected: TRC-SB-12 (11'-12') N/S, Slight Odor
			14 16 18 20		Refusal at 12.5 ft End of Boring	PID = 23.5 ppm

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

BORING SB-13
SHEET 1 OF 1

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Kingsbridge Armory	113429.0120.0000		
ADDRESS		**ELEVATION/DATUM**	
Kingsbrgidge Armory, Block 3427, Lot 2, Bronx, NY		139.25	
DRILLING CONTRACTOR	**DRILLER**	**INSPECTOR**	
Zebra	Even	Samuel Monte	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Geoprobe	Direct Push	7/19/2007	7/19/2007
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH**	**WATER LEVEL**
5' Macrocore	Pneumatic Hammer	12.5 ft	NA

SAMPLES			DEPTH	WATER	DESCRIPTION OF SOILS	REMARKS
NUMBER	RECOVERY IN INCHES	BLOWS PER 6"			(SAA = Same As Above) f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	24"	NA NA NA NA NA NA NA NA NA	2 4		0-5' 0-6" Concrete 6"-1 ' Fill (ROCK, SAND) 1'-2.5' Dk Brown, f-m SAND, some weathered rock	N/S, N/O PID = 0 ppm Dry
2	48"	NA NA NA NA NA NA NA NA NA NA	6 8 10		5'-10' 0-2.5" Orange, f-m-SAND, some weathered rock 2.5"-3" - Lt Brown, f SAND and rounded gravel	N/S, N/O PID = 0 ppm Dry
3	24"	NA NA NA NA NA NA NA NA NA NA	12 14		10'-15' 0-1" Brown, Silty fg SAND, micacious 1"-4" Layers of Brown, Silty fg SAND, micacious and weathered rock	N/S, N/O PID = 0 ppm Dry
4	24"	NA NA NA NA NA NA NA NA NA	16 18		15'-19' Brown, Silty fg SAND, weathered rock Weathered Rock or Boulder Refusal at 19 ft End of Boring	N/S, N/O PID = 0 ppm Slightly Damp Sample collected: TRC-SB-15 (15-17')
			20			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below grade surface

JOB NAME: Phase II

WELL NUMBER: **MW-1**

ADDRESS: Kingsbridge Armory

DRILLING METHOD: 4.25" ID/ 6.25" OD HSA

INSTALLATION DATE: 7/27/07

DRILLER: ADT

DEVELOPMENT DATE: 7/30/07

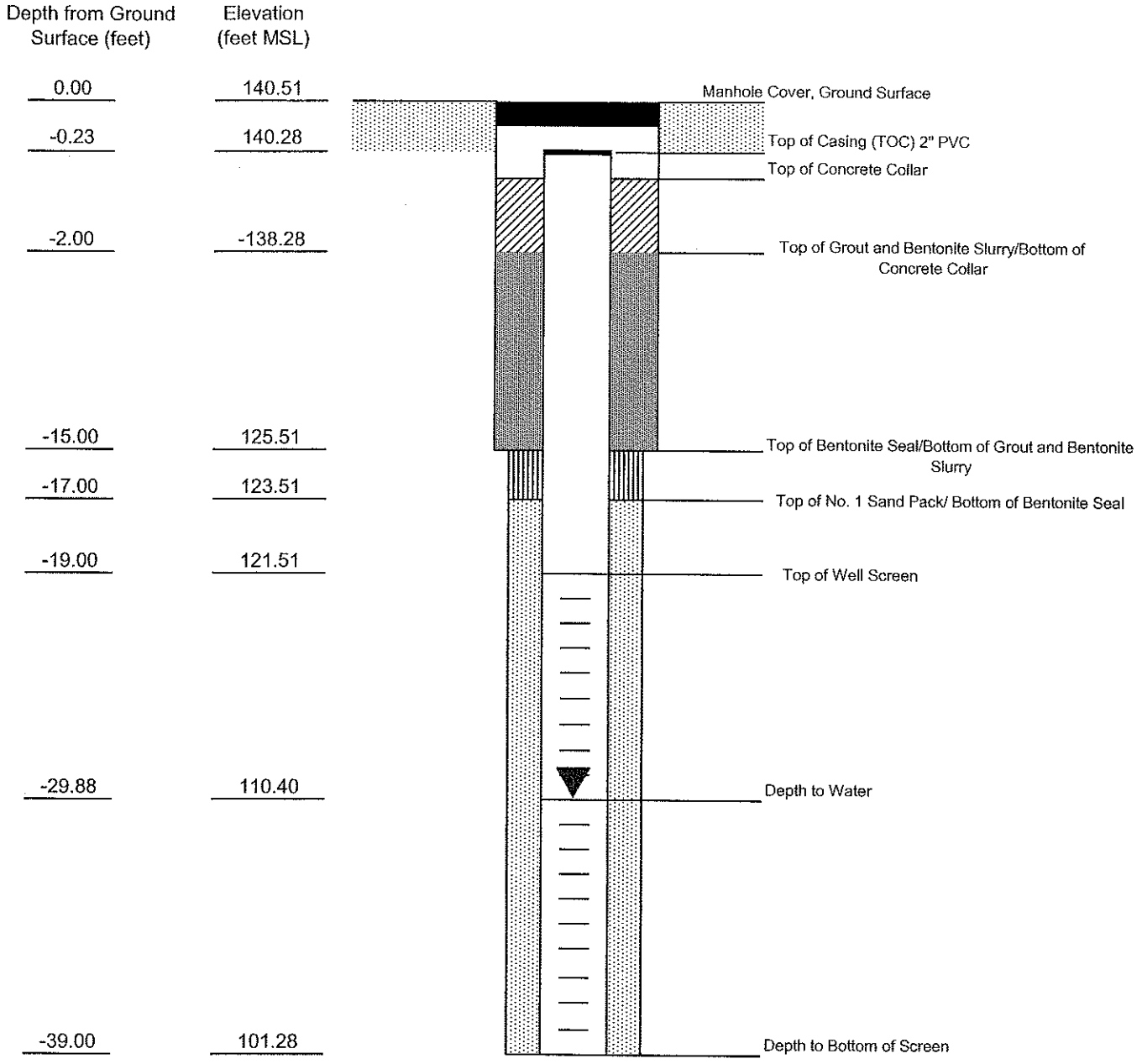
GAUGING DATE: 8/6/07

HEIGHT OF STICK-UP: Flush Mount

DEPTH TO WATER: 29.88

ELEVATION DATUM: Bronx Burough

DEPTH TO PRODUCT: NA



TRC

NOT TO SCALE

JOB NAME: Phase II

WELL NUMBER: **MW-2**

ADDRESS: Kingsbridge Armory

DRILLING METHOD: 4.25" ID/ 6.25" OD HSA

INSTALLATION DATE: 7/25/07

DRILLER: ADT

DEVELOPMENT DATE: 7/25/07

GAUGING DATE: 8/6/07

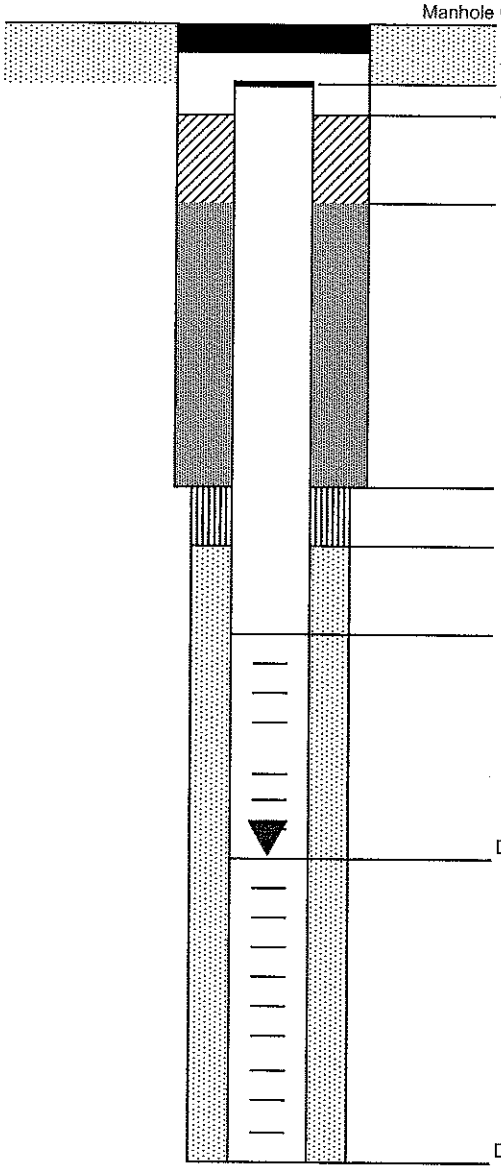
HEIGHT OF STICK-UP: Flush Mount

DEPTH TO WATER: 29.32 Below TOC

ELEVATION DATUM: Bronx Burough

DEPTH TO PRODUCT: NA

Depth from Ground Surface (feet)	Elevation (feet MSL)	
0.00	139.96	Manhole Cover, Ground Surface
-0.22	139.74	Top of Casing (TOC) 2" PVC
		Top of Concrete Collar
-1.22	138.52	Top of Grout and Bentonite Slurry/Bottom of Concrete Collar
-16.00	123.96	Top of Bentonite Seal/Bottom of Grout and Bentonite Slurry
-18.00	121.96	Top of No. 1 Sand Pack/ Bottom of Bentonite Seal
-20.00	119.96	Top of Well Screen
-29.32	110.42	Depth to Water
-40.00	99.96	Depth to Bottom of Screen



TRC

NOT TO SCALE

JOB NAME: Phase II Site Assessment

WELL NUMBER: **MW-3**

ADDRESS: Kingsbridge Armory

DRILLING METHOD: 4.25" ID/ 6.25" OD HSA

INSTALLATION DATE: 7/26/07

DRILLER: ADT

DEVELOPMENT DATE: 7/26/07

GAUGING DATE: 8/6/07

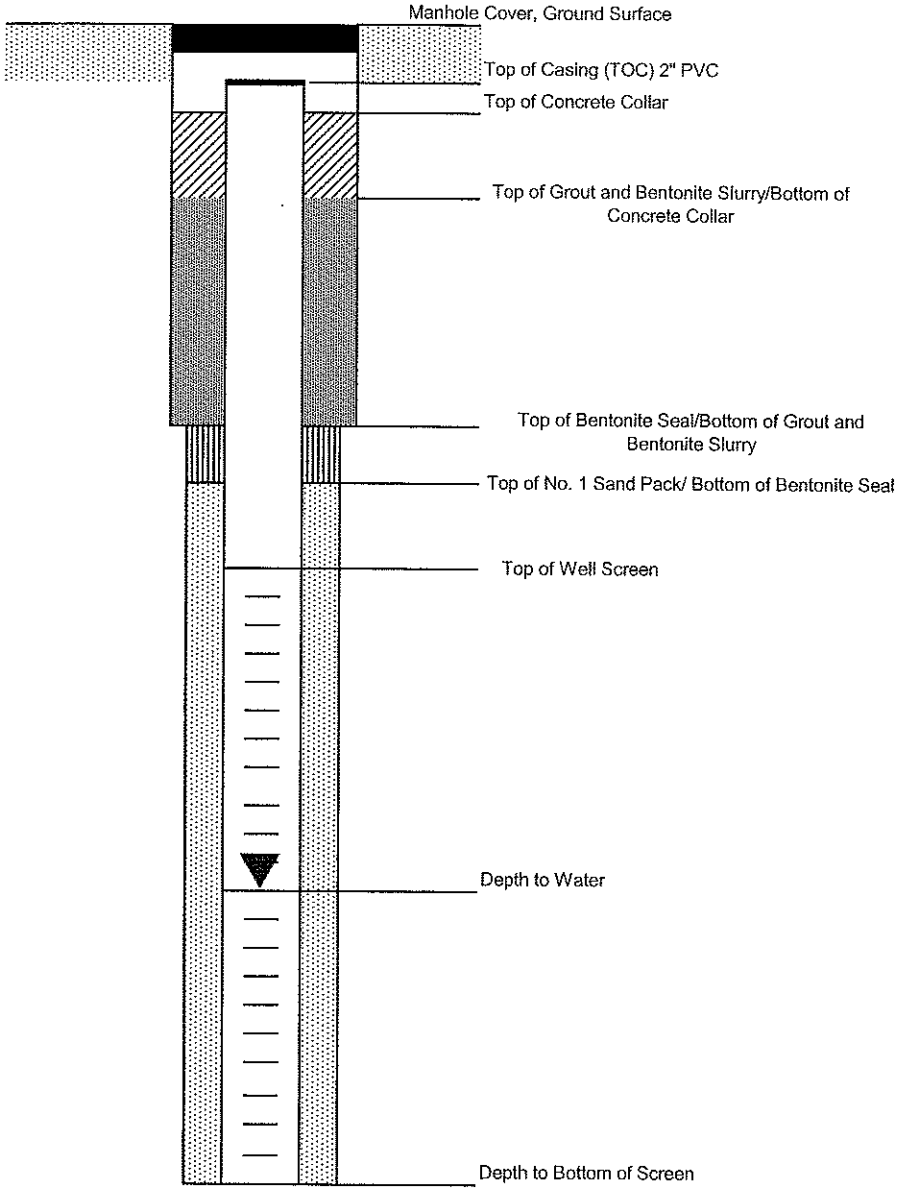
HEIGHT OF STICK-UP: Flush Mount

DEPTH TO WATER: 26.72 Below TOC

ELEVATION DATUM: Bronx Burough

DEPTH TO PRODUCT: NA

Depth from Ground Surface (feet)	Elevation (feet MSL)	
0.00	139.33	Manhole Cover, Ground Surface
-0.42	138.91	Top of Casing (TOC) 2" PVC
		Top of Concrete Collar
-1.42	137.49	Top of Grout and Bentonite Slurry/Bottom of Concrete Collar
-14.00	125.33	Top of Bentonite Seal/Bottom of Grout and Bentonite Slurry
-16.00	123.33	Top of No. 1 Sand Pack/ Bottom of Bentonite Seal
-18.00	121.33	Top of Well Screen
-26.72	112.19	Depth to Water
-38.00	101.33	Depth to Bottom of Screen



TRC

NOT TO SCALE

JOB NAME: Phase II Site Assessment

WELL NUMBER: **MW-5**

ADDRESS: Kingsbridge Armory

DRILLING METHOD: 4.25" ID/ 6.25" OD HSA

INSTALLATION DATE: 7/26/07

DRILLER: ADT

DEVELOPMENT DATE: 7/26/07

GAUGING DATE: 8/6/07

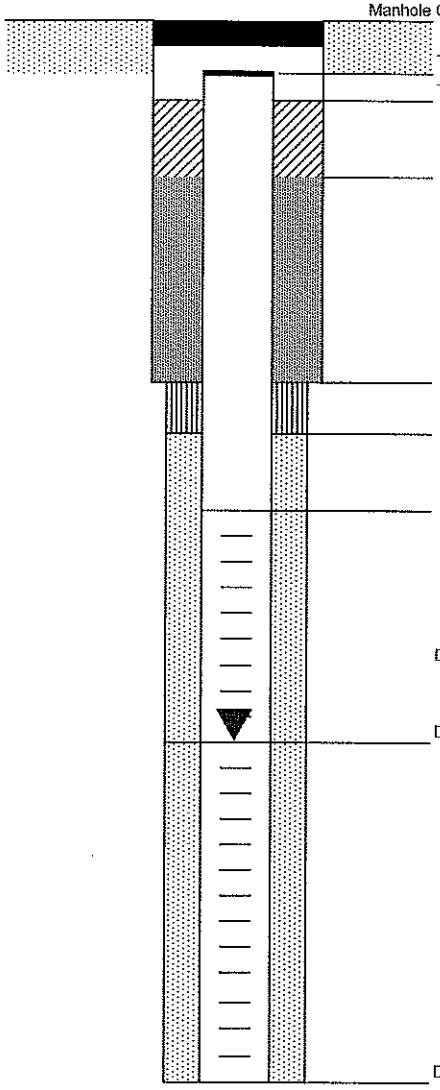
HEIGHT OF STICK-UP: Flush Mount

DEPTH TO WATER: 26.69 Below TOC

ELEVATION DATUM: Bronx Burough

DEPTH TO PRODUCT: NA

Depth from Ground Surface (feet)	Elevation (feet MSL)	
0.00	139.24	Manhole Cover, Ground Surface
-0.33	138.91	Top of Casing (TOC) 2" PVC
		Top of Concrete Collar
-1.33	137.58	Top of Grout and Bentonite Slurry/Bottom of Concrete Collar
-13.00	121.24	Top of Bentonite Seal/Bottom of Grout and Bentonite Slurry
-15.00	119.24	Top of No. 1 Sand Pack/ Bottom of Bentonite Seal
-17.00	117.24	Top of Well Screen
		Depth to Water
-26.69	112.22	Depth to Water
-37.00	102.24	Depth to Bottom of Screen



TRC

NOT TO SCALE

APPENDIX C

GROUNDWATER WELL DEVELOPMENT LOGS/SAMPLING LOGS

TRC — Well Sampling Log

Job No.: 113429.0120.0000		**Client:** EDC		**Well No:**	**MW-1**
Project Location: Kingsbridge Armory		**Sampled By:** Sam Monte		**Boring No:**	SB-1
Date: 8/6/2007					
				Purge Volumes	
Total Depth (FT):	39	**Well Diameter:**	2 in.	**Well Diameter**	**Vol per Ft of WC**
Depth to Water (FT):	29.88	**One Well Volume:**	1.49 gal.	2"	0.163
Water Column (FT):	9.12	**PID Reading:**	0 ppm	4"	0.653
				6"	1.469

Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	Salinity (%)	ORP (mV)	Comments
	6.91	4.44	258.0	2.06	19.5	0.2	222	2000mL
	6.62	4.93	136.0	3..10	18.2	0.3	230	5000mL
	6.43	5.27	99.9	3.42	18.1	0.3	234	10000mL
	6.34	5.12	107.0	2.59	18.2	0.3	234	18000mL
	6.38	5.1	94.0	2.33	18.4	0.3	229	22000mL
	6.62	4.95	103.0	4.53	19.2	0.3	215	25000mL
	6.61	5.51	78.3	5.17	19.3	0.3	215	28000mL
	6.83	5.05	88.4	3.70	19.5	0.3	203	30000mL
	6.67	5.17	60.5	3.55	19.4	0.3	201	35000mL
	6.65	5.25	48.2	3.40	19.3	0.3	205	38000mL

Total Volume Purged:	10+gal
Purge Rate:	500ml/min

TRC **Well Sampling Log**

Job No.: 113429.0120.0000		**Client:** EDC		**Well No:**	**MW-2**
Project Location: Kingsbridge Armory		**Sampled By:** Sam Monte		**Boring No:**	MW-2
Date: 8/6/2007					
				Purge Volumes	
Total Depth (FT):	40	**Well Diameter:**	2 in.	**Well Diameter**	**Vol per Ft of WC**
Depth to Water (FT):	29.32	**One Well Volume:**	1.74 gal.	2"	0.163
Water Column (FT):	10.68	**PID Reading:**	0 ppm	4"	0.653
				6"	1.469

Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	Salinity (%)	ORP (mV)	Comments
	6.08	7.32	480.0	2.81	18.9	0.4	193	2000mL
	6.48	7.22	71.7	3.31	18.4	0.4	173	5000mL
	6.43	7.15	52.2	2.77	18.1	0.4	166	10000mL
	6.41	7.17	48.7	2.68	18.4	0.4	167	18000mL
	6.4	7.19	46.3	2.51	18.4	0.4	162	22000mL

Total Volume Purged: 6+gal
Purge Rate: 500ml/min

TRC **Well Sampling Log**

Job No.: 113429.0120.0000		**Client:** EDC		**Well No:**	**MW-3**
Project Location: Kingsbridge Armory		**Sampled By:** Sam Monte		**Boring No:**	MW-3
Date: 8/6/2007					
				Purge Volumes	
Total Depth (FT):	38	**Well Diameter:**	2 in.	**Well Diameter**	**Vol per Ft of WC**
Depth to Water (FT):	26.72	**One Well Volume:**	1.84 gal.	2"	0.163
Water Column (FT):	11.28	**PID Reading:**	0 ppm	4"	0.653
				6"	1.469

Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	Salinity (%)	ORP (mV)	Comments
	6.67	13.4	999	2.18	19.9	0.8	247	2000mL
	6.23	13.2	951	1.01	19.1	0.8	227	5000mL
	6.25	13.2	547	1.15	18.8	0.8	186	8000mL
	6.41	13.2	402	3.53	19.1	0.8	177	12000mL
	6.3	13.2	261	1.05	19.1	0.8	140	18000mL
	6.47	13.1	166	1.03	19.0	0.8	126	22000mL
	6.43	13.1	73.3	1.01	19.0	0.8	118	26000mL
	6.13	13.1	54.1	1.01	19.0	0.8	115	30000mL
	6.43	13.1	46.7	0.99	19.0	0.8	113	38000mL

Total Volume Purged: 10+gal
Purge Rate: 500ml/min

TRC — Well Sampling Log

Job No.: 113429.0120.0000	**Client:** EDC			**Well No:**	**MW-5**
Project Location: Kingsbridge Armory	**Sampled By:** Sam Monte			**Boring No:**	MW-5
Date: 8/6/2007					
				Purge Volumes	
Total Depth (FT): 37	**Well Diameter:**	2	in.	**Well Diameter**	**Vol per Ft of WC**
Depth to Water (FT): 26.69	**One Well Volume:**	1.68	gal.	2"	0.163
Water Column (FT): 10.31	**PID Reading:**	0	ppm	4"	0.653
				6"	1.469

Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	Salinity (%)	ORP (mV)	Comments
	6.53	4.33	168.0	0.91	19.0	0.2	209	2000mL
	6.85	4.41	123.0	2.24	19.0	0.2	198	5000mL
	6.73	4.66	77.9	0.52	19.6	0.2	188	10000mL
	6.72	4.59	69.1	0.80	19.4	0.2	177	18000mL
	6.72	4.60	50.1	0.79	19.4	0.2	175	25000mL
	6.71	4.63	49.7	0.77	19.4	0.2	174	30000mL

Total Volume Purged: 8+gal
Purge Rate: 500ml/min

TRC — Well Development Log

Job No.: 113429.0120.0000		**Client:** EDC		**Well No:**	**MW-1**
Project Location: Kingsbridge Armory		**Sampled By:** Sam Monte		**Boring No:**	SB-1
Date: 7/30/2007					
				Purge Volumes	
Total Depth (FT):	39	**Well Diameter:**	2 in.	**Well Diameter**	**Vol per Ft of WC**
Depth to Water (FT):	29.88	**Five Well Volumes:**	7.43 gal.	2"	0.163
Water Column (FT):	9.12	**PID Reading:**	0.0 ppm	4"	0.653
				6"	1.469

Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	Salinity (%)	ORP (mV)	Comments
	5.92	5.24	3.49	4.03	20.0	0.3	209	0 gal.
	6.49	5.30	76	4.44	19.2	0.3	180	2 gal.
	6.59	5.22	58	4.80	19.3	0.3	188	4 gal.
	6.57	5.05	30.1	4.96	18.9	0.3	194	8 gal.
	6.55	5.01	30.7	4.99	18.9	0.3	190	16 gal.
	6.58	5.17	19.1	4.38	18.8	0.3	178	20 gal.

Total Volume Purged: 20
Purge Rate: 0.5gpm

Notes:

TRC **Well Development Log**

Job No.: 113429.0120.0000		**Client:** EDC			**Well No:** **MW-2**
Project Location: Kingsbridge Armory		**Sampled By:** Sam Monte			**Boring No:** MW-2
Date: 7/26/2007					
					Purge Volumes
Total Depth (FT):	40	**Well Diameter:**	2	in.	**Well Diameter** / **Vol per Ft of WC**
Depth to Water (FT):	29.32	**Five Well Volumes:**	8.70	gal.	2" / 0.163
Water Column (FT):	10.68	**PID Reading:**	0.0	ppm	4" / 0.653
					6" / 1.469

Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	Salinity (%)	ORP (mV)	Comments
	5.84	4.27	999.00	5.75	15.7	0.2	206	0 gal.
	6.38	6.40	929	4.18	16.3	0.3	23	2 gal.
	6.28	6.16	193	2.86	16.3	0.3	-3	4 gal.
	6.45	6.22	40.1	2.85	17.2	0.3	-34	8 gal.
	6.63	6.72	51.7	1.98	17.2	0.4	-37	16 gal.
	6.65	6.78	40.7	1.95	17.2	0.4	-37	18 gal.
	6.63	6.75	41.7	1.95	17.3	0.4	-34	20 gal.

Total Volume Purged: 20
Purge Rate: 0.5gpm

Notes:

TRC — Well Development Log

Job No.: 113429.0120.0000		**Client:** EDC		**Well No:**	**MW-3**
Project Location: Kingsbridge Armory		**Sampled By:** Sam Monte		**Boring No:**	MW-3
Date: 7/26/2007					
				Purge Volumes	
Total Depth (FT):	38	**Well Diameter:**	2 in.	**Well Diameter**	**Vol per Ft of WC**
Depth to Water (FT):	26.72	**Five Well Volumes:**	9.19 gal.	2"	0.163
Water Column (FT):	11.28	**PID Reading:**	0.0 ppm	4"	0.653
				6"	1.469

Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	Salinity (%)	ORP (mV)	Comments
	6.6	3.57	999	4.59	21.4	0.2	13	0 gal.
	6.54	3.83	999	4.37	21.3	0.2	11	2 gal.
	6.48	3.91	475	4.80	21.0	0.2	0	4 gal.
	6.44	3.93	223	4.96	20.9	0.2	-11	8 gal.
	6.47	3.94	150	4.99	20.9	0.2	-56	12 gal.
	6.66	3.96	66.9	4.38	20.8	0.2	-66	15 gal.

Total Volume Purged: 15
Purge Rate: 0.5gpm

Notes:

TRC — Well Development Log

Job No.: 113429.0120.0000	**Client:** EDC			**Well No:**	**MW-5**
Project Location: Kingsbridge Armory	**Sampled By:** Sam Monte			**Boring No:**	MW-5
Date: 7/27/2007					
				Purge Volumes	
Total Depth (FT): 37	**Well Diameter:** 2	in.		**Well Diameter**	**Vol per Ft of WC**
Depth to Water (FT): 26.69	**Five Well Volumes:** 8.40	gal.		2"	0.163
Water Column (FT): 10.31	**PID Reading:** 0.0	ppm		4"	0.653
				6"	1.469

Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	Salinity (%)	ORP (mV)	Comments
	7.23	2.43	999	2.63	22.3	0.1	-16	0 gal.
	6.91	2.14	999	2.68	22.9	0.1	-146	2 gal.
	7.07	2.56	999	5.11	21.6	0.1	-144	4 gal.
	6.59	3.13	999	2.56	21.4	0.2	-145	8 gal.
	6.75	4.46	94.9	4.07	21.6	0.2	-249	12 gal.
	7.09	5.08	136	6.19	22.0	0.3	-252	16 gal.
	6.97	4.90	71.2	6.35	21.9	0.3	-222	20 gal.

Total Volume Purged: 20
Purge Rate: 0.5gpm

Notes:

APPENDIX D

LABORATORY REPORTS

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: TRC Environmental Consultants
Address: 21 Griffin Road North
Windsor, CT 06095
Attn: Mr. James Peronto
Project Number:
Site: KINGSBRIDGE ARMORY

Laboratory Job Number: L0710362
Date Received: 19-JUL-2007
Date Reported: 27-JUL-2007
Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0710362-01	TRC-SB-1 (13-15)	BRONX, NY
L0710362-02	TRC-SB-2 (13-15)	BRONX, NY
L0710362-03	TRC-SB-3 (12-14)	BRONX, NY
L0710362-04	TRC-SB-4 (7-9)	BRONX, NY
L0710362-05	TRC-SB-5 (23-25)	BRONX, NY
L0710362-06	TRC-SB-6 (15-17)	BRONX, NY
L0710362-07	TRC-SB-7 (18-20)	BRONX, NY
L0710362-08	TRC-SB-8 (18-20)	BRONX, NY
L0710362-09	TRC-SB-8 (23-25)	BRONX, NY
L0710362-10	TRC-SB-9 (24-26)	BRONX, NY
L0710362-11	TRC-SB-10 (16-18)	BRONX, NY
L0710362-12	TRC-SB-11 (10-12)	BRONX, NY
L0710362-13	TRC-SB-12 (11-12)	BRONX, NY
L0710362-14	TRC-BLANK	BRONX, NY
L0710362-15	TRC-SB-13 (15-17)	BRONX, NY
L0710362-16	TRC-SB-3 DUP	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 LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0710362

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 samples were received at the laboratory above the required temperature range. The samples were transported to the laboratory in a cooler with ice.

Volatile Organics

The WG288438 MS/MSD % recoveries for Trichloroethene, Toluene and Chlorobenzene are below acceptance criteria for the method. The LCS is within criteria, therefore, no further action was taken.

TCLP Semi-Volatile Organics

The WG288169 MS/MSD have a high RPD for Pyridine.

Semi-Volatile Organics

L0710362-01 has elevated detection limits due to the 5x dilution required by the matrix interferences encountered during the concentration of the sample. Re-analysis on a 5x dilution was required in order to quantitate samples within the range of the calibration. 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 range of the calibration.

L0710362-04 has elevated detection limits due to the 5x dilution required by the matrix interferences encountered during the concentration of the sample which also has elevated detection limits due to the additional 2x dilutions required by the matrix of the sample.

An LCS/LCSD was extracted for the WG287853 batch in lieu of an MS/MSD due to the limited sample submitted for analysis.

The WG287908 LCS has a low % recovery for 2,4-Dinitrophenol. The MS/MSD is within criteria, therefore, no further action was taken.

PCB

L0710362-01 has elevated detection limits due to the 2x dilution required by the matrix interferences encountered during the concentration of the sample.

L0710362-01 and -08 were re-extracted due to one or more surrogates recovering outside of

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method acceptance criteria on the original extraction. The re-extraction was performed within holding time, these results are reported.

An LCS/LCSD was extracted for the WG287911 batch in lieu of an MS/MSD due to the limited sample submitted for analysis.

Pesticides

L0710362-01 and -04 have elevated detection limits due to the 2x dilution required by the matrix interferences encountered during the concentration of the sample. These samples also required an additional 20x analytical dilutions required by the matrix of the samples. The surrogates could not be recovered due to the dilutions required to quantitate the samples.

L0710362-02 was re-extracted within hold due to surrogate recoveries below acceptance criteria on the original analysis. Re-extract has surrogates within acceptance criteria and has elevated limits of detection due to a 5x analytical dilution required by the matrix of the sample. Re-extract results are reported.

L0710362-03, -06, -07, and -08 have elevated detection limits due to the 5x analytical dilutions required by the matrix of the samples.

L0710362-15 has elevated detection limits due to the 20x analytical dilution required by the matrix of the samples. The surrogates could not be recovered due to the dilutions required to quantitate the samples.

An LCS/LCSD was extracted for the WG287914 batch in lieu of an MS/MSD due to the limited sample submitted for analysis.

The WG288468 MS/MSD was not analyzed due to the dilution required by the matrix of the sample, which would have caused the spikes and surrogates to be diluted below the range of calibration.

Metals

L0710362-06, -10, -11 through -13 and -15 were re-analyzed on 10x dilutions in order to quantitate the samples within the dynamic linear range for Zinc, Potassium, and Iron & Potassium, respectively.

The WG288027 Method Blank has reportable results for Calcium. The concentration of Calcium in the associated samples is greater than 10x the concentration in the method blank, therefore, no further action was taken.

The WG288027 LCS % recovery for Aluminum is below the in-house acceptance criteria, but within the manufactures performance acceptance limits, and the % recoveries for Antimony and Sodium are outside the manufacturers performance acceptance limits. At the authorization of the client, no further action was taken.

The WG288027 MS % recoveries for Aluminum, Calcium, Chromium, Iron, Magnesium, Manganese

and Potassium are invalid because the sample concentration is greater than four times the spike amount added. The MS % recoveries for Antimony, Barium, Beryllium, Copper, Nickel, Sodium, Vanadium and Zinc are outside method acceptance criteria. A post digestion spike was performed with acceptable recoveries for Antimony (101%), Barium (92%), Beryllium (100%), Copper (95%), Nickel (85%), Sodium (75%),Vanadium (91%) and Zinc (84%).

The WG287831-2 MS % recovery for Mercury is outside the acceptance criteria for the method. A post analytical spike was performed with an acceptable recovery of 108%.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-01
TRC-SB-1 (13-15)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 14:30
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	87	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	13000	mg/kg	4.6	1	6010B	0723 18:00	0725 09:12	MG
Antimony, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:12	MG
Arsenic, Total	2.9	mg/kg	0.46	1	6010B	0723 18:00	0725 09:12	MG
Barium, Total	100	mg/kg	0.46	1	6010B	0723 18:00	0725 09:12	MG
Beryllium, Total	0.69	mg/kg	0.23	1	6010B	0723 18:00	0725 09:12	MG
Cadmium, Total	ND	mg/kg	0.46	1	6010B	0723 18:00	0725 09:12	MG
Calcium, Total	6500	mg/kg	4.6	1	6010B	0723 18:00	0725 09:12	MG
Chromium, Total	26	mg/kg	0.46	1	6010B	0723 18:00	0725 09:12	MG
Cobalt, Total	8.1	mg/kg	0.92	1	6010B	0723 18:00	0725 09:12	MG
Copper, Total	46	mg/kg	0.46	1	6010B	0723 18:00	0725 09:12	MG
Iron, Total	18000	mg/kg	2.3	1	6010B	0723 18:00	0725 09:12	MG
Lead, Total	78	mg/kg	2.3	1	6010B	0723 18:00	0725 09:12	MG
Magnesium, Total	6300	mg/kg	4.6	1	6010B	0723 18:00	0725 09:12	MG
Manganese, Total	240	mg/kg	0.46	1	6010B	0723 18:00	0725 09:12	MG
Mercury, Total	ND	mg/kg	0.10	1	7471A	0720 17:00	0723 13:29	DM
Nickel, Total	16	mg/kg	1.1	1	6010B	0723 18:00	0725 09:12	MG
Potassium, Total	3200	mg/kg	110	1	6010B	0723 18:00	0725 09:12	MG
Selenium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:12	MG
Silver, Total	ND	mg/kg	0.46	1	6010B	0723 18:00	0725 09:12	MG
Sodium, Total	360	mg/kg	92	1	6010B	0723 18:00	0725 09:12	MG
Thallium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:12	MG
Vanadium, Total	41	mg/kg	0.46	1	6010B	0723 18:00	0725 09:12	MG
Zinc, Total	91	mg/kg	2.3	1	6010B	0723 18:00	0725 09:12	MG
Volatile Organics by EPA 8260B				1	8260B		0725 15:54	PD
Methylene chloride	ND	ug/kg	29.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.9					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	2.9					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.9					
Chlorobenzene	ND	ug/kg	2.9					
Trichlorofluoromethane	ND	ug/kg	14.					

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

Laboratory Sample Number: L0710362-01
TRC-SB-1 (13-15)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 15:54	PD
1,2-Dichloroethane	14	ug/kg	2.9				
1,1,1-Trichloroethane	ND	ug/kg	2.9				
Bromodichloromethane	ND	ug/kg	2.9				
trans-1,3-Dichloropropene	ND	ug/kg	2.9				
cis-1,3-Dichloropropene	ND	ug/kg	2.9				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9				
Benzene	ND	ug/kg	2.9				
Toluene	ND	ug/kg	4.3				
Ethylbenzene	ND	ug/kg	2.9				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.7				
Vinyl chloride	ND	ug/kg	5.7				
Chloroethane	ND	ug/kg	5.7				
1,1-Dichloroethene	ND	ug/kg	2.9				
trans-1,2-Dichloroethene	ND	ug/kg	4.3				
Trichloroethene	ND	ug/kg	2.9				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.7				
p/m-Xylene	ND	ug/kg	5.7				
o-Xylene	ND	ug/kg	5.7				
cis-1,2-Dichloroethene	ND	ug/kg	2.9				
Dibromomethane	ND	ug/kg	29.				
Styrene	ND	ug/kg	5.7				
Dichlorodifluoromethane	ND	ug/kg	29.				
Acetone	ND	ug/kg	29.				
Carbon disulfide	ND	ug/kg	29.				
2-Butanone	ND	ug/kg	29.				
Vinyl acetate	ND	ug/kg	29.				
4-Methyl-2-pentanone	ND	ug/kg	29.				
2-Hexanone	ND	ug/kg	29.				
Bromochloromethane	ND	ug/kg	14.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.9				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.9				
sec-Butylbenzene	ND	ug/kg	2.9				
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.9				
p-Isopropyltoluene	ND	ug/kg	2.9				

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

Laboratory Sample Number: L0710362-01
TRC-SB-1 (13-15)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 15:54	PD
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.9				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	57.				
1,4-Diethylbenzene	ND	ug/kg	2.9				
4-Ethyltoluene	ND	ug/kg	2.9				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.9				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	102	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0724 23:57	PS
Fluoranthene	110000	ug/kg	9600				
Phenanthrene	140000	ug/kg	9600				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0725 22:50	PS
Acenaphthene	13000	ug/kg	1900				
1,2,4-Trichlorobenzene	ND	ug/kg	1900				
Hexachlorobenzene	ND	ug/kg	1900				
Bis(2-chloroethyl)ether	ND	ug/kg	1900				
2-Chloronaphthalene	ND	ug/kg	2300				
1,2-Dichlorobenzene	ND	ug/kg	1900				
1,3-Dichlorobenzene	ND	ug/kg	1900				
1,4-Dichlorobenzene	ND	ug/kg	1900				
3,3'-Dichlorobenzidine	ND	ug/kg	3800				
2,4-Dinitrotoluene	ND	ug/kg	1900				
2,6-Dinitrotoluene	ND	ug/kg	1900				
Fluoranthene	>13300	ug/kg	1900				
4-Chlorophenyl phenyl ether	ND	ug/kg	1900				
4-Bromophenyl phenyl ether	ND	ug/kg	1900				
Bis(2-chloroisopropyl)ether	ND	ug/kg	1900				
Bis(2-chloroethoxy)methane	ND	ug/kg	1900				
Hexachlorobutadiene	ND	ug/kg	3800				
Hexachlorocyclopentadiene	ND	ug/kg	3800				
Hexachloroethane	ND	ug/kg	1900				
Isophorone	ND	ug/kg	1900				
Naphthalene	15000	ug/kg	1900				
Nitrobenzene	ND	ug/kg	1900				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	5700				
n-Nitrosodi-n-propylamine	ND	ug/kg	1900				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	3800				
Butyl benzyl phthalate	ND	ug/kg	1900				

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

Laboratory Sample Number: L0710362-01
TRC-SB-1 (13-15)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0725 22:50	PS
Di-n-butylphthalate	ND	ug/kg	1900				
Di-n-octylphthalate	ND	ug/kg	1900				
Diethyl phthalate	ND	ug/kg	1900				
Dimethyl phthalate	ND	ug/kg	1900				
Benzo(a)anthracene	40000	ug/kg	1900				
Benzo(a)pyrene	27000	ug/kg	1900				
Benzo(b)fluoranthene	37000	ug/kg	1900				
Benzo(k)fluoranthene	14000	ug/kg	1900				
Chrysene	34000	ug/kg	1900				
Acenaphthylene	ND	ug/kg	1900				
Anthracene	40000	ug/kg	1900				
Benzo(ghi)perylene	16000	ug/kg	1900				
Fluorene	18000	ug/kg	1900				
Phenanthrene	>13300	ug/kg	1900				
Dibenzo(a,h)anthracene	5200	ug/kg	1900				
Indeno(1,2,3-cd)Pyrene	19000	ug/kg	1900				
Pyrene	75000	ug/kg	1900				
Biphenyl	ND	ug/kg	1900				
4-Chloroaniline	ND	ug/kg	1900				
2-Nitroaniline	ND	ug/kg	1900				
3-Nitroaniline	ND	ug/kg	1900				
4-Nitroaniline	ND	ug/kg	2700				
Dibenzofuran	22000	ug/kg	1900				
2-Methylnaphthalene	8600	ug/kg	1900				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	7700				
Acetophenone	ND	ug/kg	7700				
2,4,6-Trichlorophenol	ND	ug/kg	1900				
P-Chloro-M-Cresol	ND	ug/kg	1900				
2-Chlorophenol	ND	ug/kg	2300				
2,4-Dichlorophenol	ND	ug/kg	3800				
2,4-Dimethylphenol	ND	ug/kg	1900				
2-Nitrophenol	ND	ug/kg	7700				
4-Nitrophenol	ND	ug/kg	3800				
2,4-Dinitrophenol	ND	ug/kg	7700				
4,6-Dinitro-o-cresol	ND	ug/kg	7700				
Pentachlorophenol	ND	ug/kg	7700				
Phenol	ND	ug/kg	2700				
2-Methylphenol	ND	ug/kg	2300				
3-Methylphenol/4-Methylphenol	ND	ug/kg	2300				
2,4,5-Trichlorophenol	ND	ug/kg	1900				
Benzoic Acid	ND	ug/kg	19000				
Benzyl Alcohol	ND	ug/kg	3800				
Carbazole	16000	ug/kg	1900				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	93.0	%	25-120				
Phenol-d6	114	%	10-120				
Nitrobenzene-d5	88.0	%	23-120				
2-Fluorobiphenyl	89.0	%	30-120				

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

Laboratory Sample Number: L0710362-01
TRC-SB-1 (13-15)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0721 10:30	0725 22:50	PS
2,4,6-Tribromophenol	109	%	19-120					
4-Terphenyl-d14	91.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0725 12:30	0726 10:23	SS
Aroclor 1016	ND	ug/kg	76.6					
Aroclor 1221	ND	ug/kg	76.6					
Aroclor 1232	ND	ug/kg	76.6					
Aroclor 1242	ND	ug/kg	76.6					
Aroclor 1248	ND	ug/kg	76.6					
Aroclor 1254	ND	ug/kg	76.6					
Aroclor 1260	ND	ug/kg	76.6					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	65.0	%	30-150					
Decachlorobiphenyl	62.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0721 12:45	0725 00:25	JB
Delta-BHC	ND	ug/kg	153.					
Alpha-BHC	ND	ug/kg	153.					
Heptachlor	ND	ug/kg	153.					
Aldrin	ND	ug/kg	153.					
Heptachlor epoxide	ND	ug/kg	153.					
Endrin	ND	ug/kg	153.					
Endrin ketone	ND	ug/kg	153.					
Dieldrin	ND	ug/kg	153.					
4,4'-DDE	ND	ug/kg	153.					
4,4'-DDD	ND	ug/kg	153.					
4,4'-DDT	ND	ug/kg	153.					
Endosulfan I	ND	ug/kg	153.					
Endosulfan II	ND	ug/kg	153.					
Endosulfan sulfate	ND	ug/kg	153.					
Methoxychlor	ND	ug/kg	613.					
trans-Chlordane	ND	ug/kg	153.					
Chlordane	ND	ug/kg	613.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	ND	%	30-150					
Decachlorobiphenyl	ND	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0721 12:45	0725 00:25	JB
Lindane	ND	ug/kg	153.					
Beta-BHC	ND	ug/kg	153.					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-02
TRC-SB-2 (13-15)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 15:00
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	86	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	12000	mg/kg	4.6	1	6010B	0723 18:00	0725 09:14	MG
Antimony, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:14	MG
Arsenic, Total	2.4	mg/kg	0.46	1	6010B	0723 18:00	0725 09:14	MG
Barium, Total	120	mg/kg	0.46	1	6010B	0723 18:00	0725 09:14	MG
Beryllium, Total	0.54	mg/kg	0.23	1	6010B	0723 18:00	0725 09:14	MG
Cadmium, Total	ND	mg/kg	0.46	1	6010B	0723 18:00	0725 09:14	MG
Calcium, Total	3800	mg/kg	4.6	1	6010B	0723 18:00	0725 09:14	MG
Chromium, Total	24	mg/kg	0.46	1	6010B	0723 18:00	0725 09:14	MG
Cobalt, Total	8.4	mg/kg	0.93	1	6010B	0723 18:00	0725 09:14	MG
Copper, Total	20	mg/kg	0.46	1	6010B	0723 18:00	0725 09:14	MG
Iron, Total	17000	mg/kg	2.3	1	6010B	0723 18:00	0725 09:14	MG
Lead, Total	21	mg/kg	2.3	1	6010B	0723 18:00	0725 09:14	MG
Magnesium, Total	7800	mg/kg	4.6	1	6010B	0723 18:00	0725 09:14	MG
Manganese, Total	270	mg/kg	0.46	1	6010B	0723 18:00	0725 09:14	MG
Mercury, Total	0.10	mg/kg	0.09	1	7471A	0720 17:00	0723 13:31	DM
Nickel, Total	14	mg/kg	1.2	1	6010B	0723 18:00	0725 09:14	MG
Potassium, Total	3700	mg/kg	120	1	6010B	0723 18:00	0725 09:14	MG
Selenium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:14	MG
Silver, Total	ND	mg/kg	0.46	1	6010B	0723 18:00	0725 09:14	MG
Sodium, Total	390	mg/kg	93	1	6010B	0723 18:00	0725 09:14	MG
Thallium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:14	MG
Vanadium, Total	37	mg/kg	0.46	1	6010B	0723 18:00	0725 09:14	MG
Zinc, Total	61	mg/kg	2.3	1	6010B	0723 18:00	0725 09:14	MG
Volatile Organics by EPA 8260B				1	8260B		0725 16:29	PD
Methylene chloride	ND	ug/kg	29.					
1,1-Dichloroethane	ND	ug/kg	4.4					
Chloroform	ND	ug/kg	4.4					
Carbon tetrachloride	ND	ug/kg	2.9					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	2.9					
1,1,2-Trichloroethane	ND	ug/kg	4.4					
Tetrachloroethene	ND	ug/kg	2.9					
Chlorobenzene	ND	ug/kg	2.9					
Trichlorofluoromethane	ND	ug/kg	14.					

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

Laboratory Sample Number: L0710362-02
TRC-SB-2 (13-15)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 16:29	PD
1,2-Dichloroethane	22	ug/kg	2.9				
1,1,1-Trichloroethane	ND	ug/kg	2.9				
Bromodichloromethane	ND	ug/kg	2.9				
trans-1,3-Dichloropropene	ND	ug/kg	2.9				
cis-1,3-Dichloropropene	ND	ug/kg	2.9				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	12.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9				
Benzene	ND	ug/kg	2.9				
Toluene	ND	ug/kg	4.4				
Ethylbenzene	ND	ug/kg	2.9				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.8				
Vinyl chloride	ND	ug/kg	5.8				
Chloroethane	ND	ug/kg	5.8				
1,1-Dichloroethene	ND	ug/kg	2.9				
trans-1,2-Dichloroethene	ND	ug/kg	4.4				
Trichloroethene	ND	ug/kg	2.9				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.8				
p/m-Xylene	ND	ug/kg	5.8				
o-Xylene	ND	ug/kg	5.8				
cis-1,2-Dichloroethene	ND	ug/kg	2.9				
Dibromomethane	ND	ug/kg	29.				
Styrene	ND	ug/kg	5.8				
Dichlorodifluoromethane	ND	ug/kg	29.				
Acetone	ND	ug/kg	29.				
Carbon disulfide	ND	ug/kg	29.				
2-Butanone	ND	ug/kg	29.				
Vinyl acetate	ND	ug/kg	29.				
4-Methyl-2-pentanone	ND	ug/kg	29.				
2-Hexanone	ND	ug/kg	29.				
Bromochloromethane	ND	ug/kg	14.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	12.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.9				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.9				
sec-Butylbenzene	ND	ug/kg	2.9				
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.9				
p-Isopropyltoluene	ND	ug/kg	2.9				

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

Laboratory Sample Number: L0710362-02
TRC-SB-2 (13-15)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 16:29	PD
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.9				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	58.				
1,4-Diethylbenzene	ND	ug/kg	2.9				
4-Ethyltoluene	ND	ug/kg	2.9				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.9				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	103	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 18:16	PS
Acenaphthene	ND	ug/kg	390				
1,2,4-Trichlorobenzene	ND	ug/kg	390				
Hexachlorobenzene	ND	ug/kg	390				
Bis(2-chloroethyl)ether	ND	ug/kg	390				
2-Chloronaphthalene	ND	ug/kg	460				
1,2-Dichlorobenzene	ND	ug/kg	390				
1,3-Dichlorobenzene	ND	ug/kg	390				
1,4-Dichlorobenzene	ND	ug/kg	390				
3,3'-Dichlorobenzidine	ND	ug/kg	780				
2,4-Dinitrotoluene	ND	ug/kg	390				
2,6-Dinitrotoluene	ND	ug/kg	390				
Fluoranthene	ND	ug/kg	390				
4-Chlorophenyl phenyl ether	ND	ug/kg	390				
4-Bromophenyl phenyl ether	ND	ug/kg	390				
Bis(2-chloroisopropyl)ether	ND	ug/kg	390				
Bis(2-chloroethoxy)methane	ND	ug/kg	390				
Hexachlorobutadiene	ND	ug/kg	780				
Hexachlorocyclopentadiene	ND	ug/kg	780				
Hexachloroethane	ND	ug/kg	390				
Isophorone	ND	ug/kg	390				
Naphthalene	ND	ug/kg	390				
Nitrobenzene	ND	ug/kg	390				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200				
n-Nitrosodi-n-propylamine	ND	ug/kg	390				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	780				
Butyl benzyl phthalate	ND	ug/kg	390				
Di-n-butylphthalate	ND	ug/kg	390				
Di-n-octylphthalate	ND	ug/kg	390				
Diethyl phthalate	ND	ug/kg	390				
Dimethyl phthalate	ND	ug/kg	390				

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

Laboratory Sample Number: L0710362-02
TRC-SB-2 (13-15)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 18:16	PS
Benzo(a)anthracene	ND	ug/kg	390				
Benzo(a)pyrene	ND	ug/kg	390				
Benzo(b)fluoranthene	ND	ug/kg	390				
Benzo(k)fluoranthene	ND	ug/kg	390				
Chrysene	ND	ug/kg	390				
Acenaphthylene	ND	ug/kg	390				
Anthracene	ND	ug/kg	390				
Benzo(ghi)perylene	ND	ug/kg	390				
Fluorene	ND	ug/kg	390				
Phenanthrene	ND	ug/kg	390				
Dibenzo(a,h)anthracene	ND	ug/kg	390				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	390				
Pyrene	ND	ug/kg	390				
Biphenyl	ND	ug/kg	390				
4-Chloroaniline	ND	ug/kg	390				
2-Nitroaniline	ND	ug/kg	390				
3-Nitroaniline	ND	ug/kg	390				
4-Nitroaniline	ND	ug/kg	540				
Dibenzofuran	ND	ug/kg	390				
2-Methylnaphthalene	ND	ug/kg	390				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600				
Acetophenone	ND	ug/kg	1600				
2,4,6-Trichlorophenol	ND	ug/kg	390				
P-Chloro-M-Cresol	ND	ug/kg	390				
2-Chlorophenol	ND	ug/kg	460				
2,4-Dichlorophenol	ND	ug/kg	780				
2,4-Dimethylphenol	ND	ug/kg	390				
2-Nitrophenol	ND	ug/kg	1600				
4-Nitrophenol	ND	ug/kg	780				
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	540				
2-Methylphenol	ND	ug/kg	460				
3-Methylphenol/4-Methylphenol	ND	ug/kg	460				
2,4,5-Trichlorophenol	ND	ug/kg	390				
Benzoic Acid	ND	ug/kg	3900				
Benzyl Alcohol	ND	ug/kg	780				
Carbazole	ND	ug/kg	390				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	58.0	%	25-120				
Phenol-d6	72.0	%	10-120				
Nitrobenzene-d5	53.0	%	23-120				
2-Fluorobiphenyl	44.0	%	30-120				
2,4,6-Tribromophenol	57.0	%	19-120				
4-Terphenyl-d14	60.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 19:12	SS

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

Laboratory Sample Number: L0710362-02
TRC-SB-2 (13-15)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0724 19:12	SS
Aroclor 1016	ND	ug/kg	38.8				
Aroclor 1221	ND	ug/kg	38.8				
Aroclor 1232	ND	ug/kg	38.8				
Aroclor 1242	ND	ug/kg	38.8				
Aroclor 1248	ND	ug/kg	38.8				
Aroclor 1254	ND	ug/kg	38.8				
Aroclor 1260	ND	ug/kg	38.8				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	76.0	%	30-150				
Decachlorobiphenyl	72.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0725 14:15	0726 10:35	JB
Lindane	ND	ug/kg	19.4				
Beta-BHC	ND	ug/kg	19.4				
Organochlorine Pesticides by EPA 8081A				1 8081A	0725 14:15	0726 10:35	JB
Delta-BHC	ND	ug/kg	19.4				
Alpha-BHC	ND	ug/kg	19.4				
Heptachlor	ND	ug/kg	19.4				
Aldrin	ND	ug/kg	19.4				
Heptachlor epoxide	ND	ug/kg	19.4				
Endrin	ND	ug/kg	19.4				
Endrin ketone	ND	ug/kg	19.4				
Dieldrin	ND	ug/kg	19.4				
4,4'-DDE	ND	ug/kg	19.4				
4,4'-DDD	ND	ug/kg	19.4				
4,4'-DDT	ND	ug/kg	19.4				
Endosulfan I	ND	ug/kg	19.4				
Endosulfan II	ND	ug/kg	19.4				
Endosulfan sulfate	ND	ug/kg	19.4				
Methoxychlor	ND	ug/kg	77.5				
trans-Chlordane	ND	ug/kg	19.4				
Chlordane	ND	ug/kg	77.5				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	68.0	%	30-150				
Decachlorobiphenyl	37.0	%	30-150				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-03
TRC-SB-3 (12-14)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 15:30
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	87	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	6800	mg/kg	4.6	1	6010B	0723 18:00	0725 09:17	MG
Antimony, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:17	MG
Arsenic, Total	2.3	mg/kg	0.46	1	6010B	0723 18:00	0725 09:17	MG
Barium, Total	67	mg/kg	0.46	1	6010B	0723 18:00	0725 09:17	MG
Beryllium, Total	0.40	mg/kg	0.23	1	6010B	0723 18:00	0725 09:17	MG
Cadmium, Total	ND	mg/kg	0.46	1	6010B	0723 18:00	0725 09:17	MG
Calcium, Total	5300	mg/kg	4.6	1	6010B	0723 18:00	0725 09:17	MG
Chromium, Total	21	mg/kg	0.46	1	6010B	0723 18:00	0725 09:17	MG
Cobalt, Total	5.0	mg/kg	0.91	1	6010B	0723 18:00	0725 09:17	MG
Copper, Total	20	mg/kg	0.46	1	6010B	0723 18:00	0725 09:17	MG
Iron, Total	13000	mg/kg	2.3	1	6010B	0723 18:00	0725 09:17	MG
Lead, Total	140	mg/kg	2.3	1	6010B	0723 18:00	0725 09:17	MG
Magnesium, Total	3600	mg/kg	4.6	1	6010B	0723 18:00	0725 09:17	MG
Manganese, Total	160	mg/kg	0.46	1	6010B	0723 18:00	0725 09:17	MG
Mercury, Total	0.19	mg/kg	0.09	1	7471A	0720 17:00	0723 13:32	DM
Nickel, Total	11	mg/kg	1.1	1	6010B	0723 18:00	0725 09:17	MG
Potassium, Total	1400	mg/kg	110	1	6010B	0723 18:00	0725 09:17	MG
Selenium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:17	MG
Silver, Total	ND	mg/kg	0.46	1	6010B	0723 18:00	0725 09:17	MG
Sodium, Total	330	mg/kg	91	1	6010B	0723 18:00	0725 09:17	MG
Thallium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:17	MG
Vanadium, Total	23	mg/kg	0.46	1	6010B	0723 18:00	0725 09:17	MG
Zinc, Total	66	mg/kg	2.3	1	6010B	0723 18:00	0725 09:17	MG
Volatile Organics by EPA 8260B				1	8260B		0725 17:05	PD
Methylene chloride	ND	ug/kg	29.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.9					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	2.9					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.9					
Chlorobenzene	ND	ug/kg	2.9					
Trichlorofluoromethane	ND	ug/kg	14.					

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

Laboratory Sample Number: L0710362-03
TRC-SB-3 (12-14)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 17:05	PD
1,2-Dichloroethane	38	ug/kg	2.9				
1,1,1-Trichloroethane	ND	ug/kg	2.9				
Bromodichloromethane	ND	ug/kg	2.9				
trans-1,3-Dichloropropene	ND	ug/kg	2.9				
cis-1,3-Dichloropropene	ND	ug/kg	2.9				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9				
Benzene	ND	ug/kg	2.9				
Toluene	ND	ug/kg	4.3				
Ethylbenzene	ND	ug/kg	2.9				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.7				
Vinyl chloride	ND	ug/kg	5.7				
Chloroethane	ND	ug/kg	5.7				
1,1-Dichloroethene	ND	ug/kg	2.9				
trans-1,2-Dichloroethene	ND	ug/kg	4.3				
Trichloroethene	ND	ug/kg	2.9				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.7				
p/m-Xylene	ND	ug/kg	5.7				
o-Xylene	ND	ug/kg	5.7				
cis-1,2-Dichloroethene	ND	ug/kg	2.9				
Dibromomethane	ND	ug/kg	29.				
Styrene	ND	ug/kg	5.7				
Dichlorodifluoromethane	ND	ug/kg	29.				
Acetone	ND	ug/kg	29.				
Carbon disulfide	ND	ug/kg	29.				
2-Butanone	ND	ug/kg	29.				
Vinyl acetate	ND	ug/kg	29.				
4-Methyl-2-pentanone	ND	ug/kg	29.				
2-Hexanone	ND	ug/kg	29.				
Bromochloromethane	ND	ug/kg	14.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.9				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.9				
sec-Butylbenzene	ND	ug/kg	2.9				
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.9				
p-Isopropyltoluene	ND	ug/kg	2.9				

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

Laboratory Sample Number: L0710362-03
TRC-SB-3 (12-14)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 17:05	PD
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.9				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	57.				
1,4-Diethylbenzene	ND	ug/kg	2.9				
4-Ethyltoluene	ND	ug/kg	2.9				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.9				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	111	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	101	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 19:02	PS
Acenaphthene	ND	ug/kg	380				
1,2,4-Trichlorobenzene	ND	ug/kg	380				
Hexachlorobenzene	ND	ug/kg	380				
Bis(2-chloroethyl)ether	ND	ug/kg	380				
2-Chloronaphthalene	ND	ug/kg	460				
1,2-Dichlorobenzene	ND	ug/kg	380				
1,3-Dichlorobenzene	ND	ug/kg	380				
1,4-Dichlorobenzene	ND	ug/kg	380				
3,3'-Dichlorobenzidine	ND	ug/kg	770				
2,4-Dinitrotoluene	ND	ug/kg	380				
2,6-Dinitrotoluene	ND	ug/kg	380				
Fluoranthene	1300	ug/kg	380				
4-Chlorophenyl phenyl ether	ND	ug/kg	380				
4-Bromophenyl phenyl ether	ND	ug/kg	380				
Bis(2-chloroisopropyl)ether	ND	ug/kg	380				
Bis(2-chloroethoxy)methane	ND	ug/kg	380				
Hexachlorobutadiene	ND	ug/kg	770				
Hexachlorocyclopentadiene	ND	ug/kg	770				
Hexachloroethane	ND	ug/kg	380				
Isophorone	ND	ug/kg	380				
Naphthalene	ND	ug/kg	380				
Nitrobenzene	ND	ug/kg	380				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100				
n-Nitrosodi-n-propylamine	ND	ug/kg	380				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	770				
Butyl benzyl phthalate	ND	ug/kg	380				
Di-n-butylphthalate	ND	ug/kg	380				
Di-n-octylphthalate	ND	ug/kg	380				
Diethyl phthalate	ND	ug/kg	380				
Dimethyl phthalate	ND	ug/kg	380				

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

Laboratory Sample Number: L0710362-03
TRC-SB-3 (12-14)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 19:02	PS
Benzo(a)anthracene	840	ug/kg	380				
Benzo(a)pyrene	730	ug/kg	380				
Benzo(b)fluoranthene	600	ug/kg	380				
Benzo(k)fluoranthene	640	ug/kg	380				
Chrysene	700	ug/kg	380				
Acenaphthylene	ND	ug/kg	380				
Anthracene	ND	ug/kg	380				
Benzo(ghi)perylene	380	ug/kg	380				
Fluorene	ND	ug/kg	380				
Phenanthrene	380	ug/kg	380				
Dibenzo(a,h)anthracene	ND	ug/kg	380				
Indeno(1,2,3-cd)Pyrene	580	ug/kg	380				
Pyrene	1100	ug/kg	380				
Biphenyl	ND	ug/kg	380				
4-Chloroaniline	ND	ug/kg	380				
2-Nitroaniline	ND	ug/kg	380				
3-Nitroaniline	ND	ug/kg	380				
4-Nitroaniline	ND	ug/kg	540				
Dibenzofuran	ND	ug/kg	380				
2-Methylnaphthalene	ND	ug/kg	380				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500				
Acetophenone	ND	ug/kg	1500				
2,4,6-Trichlorophenol	ND	ug/kg	380				
P-Chloro-M-Cresol	ND	ug/kg	380				
2-Chlorophenol	ND	ug/kg	460				
2,4-Dichlorophenol	ND	ug/kg	770				
2,4-Dimethylphenol	ND	ug/kg	380				
2-Nitrophenol	ND	ug/kg	1500				
4-Nitrophenol	ND	ug/kg	770				
2,4-Dinitrophenol	ND	ug/kg	1500				
4,6-Dinitro-o-cresol	ND	ug/kg	1500				
Pentachlorophenol	ND	ug/kg	1500				
Phenol	ND	ug/kg	540				
2-Methylphenol	ND	ug/kg	460				
3-Methylphenol/4-Methylphenol	ND	ug/kg	460				
2,4,5-Trichlorophenol	ND	ug/kg	380				
Benzoic Acid	ND	ug/kg	3800				
Benzyl Alcohol	ND	ug/kg	770				
Carbazole	ND	ug/kg	380				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	87.0	%	25-120				
Phenol-d6	107	%	10-120				
Nitrobenzene-d5	86.0	%	23-120				
2-Fluorobiphenyl	70.0	%	30-120				
2,4,6-Tribromophenol	92.0	%	19-120				
4-Terphenyl-d14	87.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 19:41	SS

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

Laboratory Sample Number: L0710362-03
TRC-SB-3 (12-14)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0721 10:40	0724 19:41	SS
Aroclor 1016	ND	ug/kg	38.3					
Aroclor 1221	ND	ug/kg	38.3					
Aroclor 1232	ND	ug/kg	38.3					
Aroclor 1242	ND	ug/kg	38.3					
Aroclor 1248	ND	ug/kg	38.3					
Aroclor 1254	ND	ug/kg	38.3					
Aroclor 1260	ND	ug/kg	38.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	73.0	%	30-150					
Decachlorobiphenyl	61.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0721 12:45	0725 00:59	JB
Delta-BHC	ND	ug/kg	19.2					
Alpha-BHC	ND	ug/kg	19.2					
Heptachlor	ND	ug/kg	19.2					
Aldrin	ND	ug/kg	19.2					
Heptachlor epoxide	ND	ug/kg	19.2					
Endrin	ND	ug/kg	19.2					
Endrin ketone	ND	ug/kg	19.2					
Dieldrin	ND	ug/kg	19.2					
4,4'-DDE	ND	ug/kg	19.2					
4,4'-DDD	ND	ug/kg	19.2					
4,4'-DDT	ND	ug/kg	19.2					
Endosulfan I	ND	ug/kg	19.2					
Endosulfan II	ND	ug/kg	19.2					
Endosulfan sulfate	ND	ug/kg	19.2					
Methoxychlor	ND	ug/kg	76.6					
trans-Chlordane	ND	ug/kg	19.2					
Chlordane	ND	ug/kg	76.6					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	53.0	%	30-150					
Decachlorobiphenyl	34.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0721 12:45	0725 00:59	JB
Lindane	ND	ug/kg	19.2					
Beta-BHC	ND	ug/kg	19.2					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-04
TRC-SB-4 (7-9)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 13:30
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	90	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	9200	mg/kg	4.4	1	6010B	0723 18:00	0725 09:19	MG
Antimony, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:19	MG
Arsenic, Total	2.3	mg/kg	0.44	1	6010B	0723 18:00	0725 09:19	MG
Barium, Total	83	mg/kg	0.44	1	6010B	0723 18:00	0725 09:19	MG
Beryllium, Total	0.48	mg/kg	0.22	1	6010B	0723 18:00	0725 09:19	MG
Cadmium, Total	ND	mg/kg	0.44	1	6010B	0723 18:00	0725 09:19	MG
Calcium, Total	2700	mg/kg	4.4	1	6010B	0723 18:00	0725 09:19	MG
Chromium, Total	25	mg/kg	0.44	1	6010B	0723 18:00	0725 09:19	MG
Cobalt, Total	7.0	mg/kg	0.88	1	6010B	0723 18:00	0725 09:19	MG
Copper, Total	28	mg/kg	0.44	1	6010B	0723 18:00	0725 09:19	MG
Iron, Total	15000	mg/kg	2.2	1	6010B	0723 18:00	0725 09:19	MG
Lead, Total	37	mg/kg	2.2	1	6010B	0723 18:00	0725 09:19	MG
Magnesium, Total	5100	mg/kg	4.4	1	6010B	0723 18:00	0725 09:19	MG
Manganese, Total	230	mg/kg	0.44	1	6010B	0723 18:00	0725 09:19	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0720 17:00	0723 13:34	DM
Nickel, Total	16	mg/kg	1.1	1	6010B	0723 18:00	0725 09:19	MG
Potassium, Total	2800	mg/kg	110	1	6010B	0723 18:00	0725 09:19	MG
Selenium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:19	MG
Silver, Total	ND	mg/kg	0.44	1	6010B	0723 18:00	0725 09:19	MG
Sodium, Total	ND	mg/kg	88	1	6010B	0723 18:00	0725 09:19	MG
Thallium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:19	MG
Vanadium, Total	39	mg/kg	0.44	1	6010B	0723 18:00	0725 09:19	MG
Zinc, Total	57	mg/kg	2.2	1	6010B	0723 18:00	0725 09:19	MG
Volatile Organics by EPA 8260B				1	8260B		0725 17:42	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

Laboratory Sample Number: L0710362-04
TRC-SB-4 (7-9)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0725 17:42	PD
1,2-Dichloroethane	30	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.					
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					

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

Laboratory Sample Number: L0710362-04
TRC-SB-4 (7-9)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 17:42	PD
Naphthalene	ND	ug/kg	14.				
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.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	56.				
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	107	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	110	%	70-130				
Dibromofluoromethane	100	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0725 23:21	PS
Acenaphthene	ND	ug/kg	3700				
1,2,4-Trichlorobenzene	ND	ug/kg	3700				
Hexachlorobenzene	ND	ug/kg	3700				
Bis(2-chloroethyl)ether	ND	ug/kg	3700				
2-Chloronaphthalene	ND	ug/kg	4400				
1,2-Dichlorobenzene	ND	ug/kg	3700				
1,3-Dichlorobenzene	ND	ug/kg	3700				
1,4-Dichlorobenzene	ND	ug/kg	3700				
3,3'-Dichlorobenzidine	ND	ug/kg	7400				
2,4-Dinitrotoluene	ND	ug/kg	3700				
2,6-Dinitrotoluene	ND	ug/kg	3700				
Fluoranthene	ND	ug/kg	3700				
4-Chlorophenyl phenyl ether	ND	ug/kg	3700				
4-Bromophenyl phenyl ether	ND	ug/kg	3700				
Bis(2-chloroisopropyl)ether	ND	ug/kg	3700				
Bis(2-chloroethoxy)methane	ND	ug/kg	3700				
Hexachlorobutadiene	ND	ug/kg	7400				
Hexachlorocyclopentadiene	ND	ug/kg	7400				
Hexachloroethane	ND	ug/kg	3700				
Isophorone	ND	ug/kg	3700				
Naphthalene	ND	ug/kg	3700				
Nitrobenzene	ND	ug/kg	3700				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	11000				
n-Nitrosodi-n-propylamine	ND	ug/kg	3700				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	7400				
Butyl benzyl phthalate	ND	ug/kg	3700				
Di-n-butylphthalate	ND	ug/kg	3700				
Di-n-octylphthalate	ND	ug/kg	3700				
Diethyl phthalate	ND	ug/kg	3700				
Dimethyl phthalate	ND	ug/kg	3700				

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

Laboratory Sample Number: L0710362-04
TRC-SB-4 (7-9)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0721 10:30	0725 23:21	PS
Benzo(a)anthracene	ND	ug/kg	3700					
Benzo(a)pyrene	ND	ug/kg	3700					
Benzo(b)fluoranthene	ND	ug/kg	3700					
Benzo(k)fluoranthene	ND	ug/kg	3700					
Chrysene	ND	ug/kg	3700					
Acenaphthylene	ND	ug/kg	3700					
Anthracene	ND	ug/kg	3700					
Benzo(ghi)perylene	ND	ug/kg	3700					
Fluorene	ND	ug/kg	3700					
Phenanthrene	ND	ug/kg	3700					
Dibenzo(a,h)anthracene	ND	ug/kg	3700					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	3700					
Pyrene	ND	ug/kg	3700					
Biphenyl	ND	ug/kg	3700					
4-Chloroaniline	ND	ug/kg	3700					
2-Nitroaniline	ND	ug/kg	3700					
3-Nitroaniline	ND	ug/kg	3700					
4-Nitroaniline	ND	ug/kg	5200					
Dibenzofuran	ND	ug/kg	3700					
2-Methylnaphthalene	ND	ug/kg	3700					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	15000					
Acetophenone	ND	ug/kg	15000					
2,4,6-Trichlorophenol	ND	ug/kg	3700					
P-Chloro-M-Cresol	ND	ug/kg	3700					
2-Chlorophenol	ND	ug/kg	4400					
2,4-Dichlorophenol	ND	ug/kg	7400					
2,4-Dimethylphenol	ND	ug/kg	3700					
2-Nitrophenol	ND	ug/kg	15000					
4-Nitrophenol	ND	ug/kg	7400					
2,4-Dinitrophenol	ND	ug/kg	15000					
4,6-Dinitro-o-cresol	ND	ug/kg	15000					
Pentachlorophenol	ND	ug/kg	15000					
Phenol	ND	ug/kg	5200					
2-Methylphenol	ND	ug/kg	4400					
3-Methylphenol/4-Methylphenol	ND	ug/kg	4400					
2,4,5-Trichlorophenol	ND	ug/kg	3700					
Benzoic Acid	ND	ug/kg	37000					
Benzyl Alcohol	ND	ug/kg	7400					
Carbazole	ND	ug/kg	3700					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	94.0	%	25-120					
Phenol-d6	111	%	10-120					
Nitrobenzene-d5	86.0	%	23-120					
2-Fluorobiphenyl	89.0	%	30-120					
2,4,6-Tribromophenol	97.0	%	19-120					
4-Terphenyl-d14	92.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0721 10:40	0724 20:09	SS

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

Laboratory Sample Number: L0710362-04
TRC-SB-4 (7-9)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0724 20:09	SS
Aroclor 1016	ND	ug/kg	37.0				
Aroclor 1221	ND	ug/kg	37.0				
Aroclor 1232	ND	ug/kg	37.0				
Aroclor 1242	ND	ug/kg	37.0				
Aroclor 1248	ND	ug/kg	37.0				
Aroclor 1254	ND	ug/kg	37.0				
Aroclor 1260	ND	ug/kg	37.0				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	71.0	%	30-150				
Decachlorobiphenyl	63.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 01:17	JB
Delta-BHC	ND	ug/kg	148.				
Alpha-BHC	ND	ug/kg	148.				
Heptachlor	ND	ug/kg	148.				
Aldrin	ND	ug/kg	148.				
Heptachlor epoxide	ND	ug/kg	148.				
Endrin	ND	ug/kg	148.				
Endrin ketone	ND	ug/kg	148.				
Dieldrin	ND	ug/kg	148.				
4,4'-DDE	ND	ug/kg	148.				
4,4'-DDD	ND	ug/kg	148.				
4,4'-DDT	ND	ug/kg	148.				
Endosulfan I	ND	ug/kg	148.				
Endosulfan II	ND	ug/kg	148.				
Endosulfan sulfate	ND	ug/kg	148.				
Methoxychlor	ND	ug/kg	592.				
trans-Chlordane	ND	ug/kg	148.				
Chlordane	ND	ug/kg	592.				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	ND	%	30-150				
Decachlorobiphenyl	ND	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 01:17	JB
Lindane	ND	ug/kg	148.				
Beta-BHC	ND	ug/kg	148.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-05
TRC-SB-5 (23-25)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 12:20
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	85	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	15000	mg/kg	4.7	1	6010B	0723 18:00	0725 09:22	MG
Antimony, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:22	MG
Arsenic, Total	3.7	mg/kg	0.47	1	6010B	0723 18:00	0725 09:22	MG
Barium, Total	71	mg/kg	0.47	1	6010B	0723 18:00	0725 09:22	MG
Beryllium, Total	0.68	mg/kg	0.23	1	6010B	0723 18:00	0725 09:22	MG
Cadmium, Total	ND	mg/kg	0.47	1	6010B	0723 18:00	0725 09:22	MG
Calcium, Total	5100	mg/kg	4.7	1	6010B	0723 18:00	0725 09:22	MG
Chromium, Total	35	mg/kg	0.47	1	6010B	0723 18:00	0725 09:22	MG
Cobalt, Total	9.2	mg/kg	0.94	1	6010B	0723 18:00	0725 09:22	MG
Copper, Total	20	mg/kg	0.47	1	6010B	0723 18:00	0725 09:22	MG
Iron, Total	20000	mg/kg	2.3	1	6010B	0723 18:00	0725 09:22	MG
Lead, Total	14	mg/kg	2.3	1	6010B	0723 18:00	0725 09:22	MG
Magnesium, Total	6500	mg/kg	4.7	1	6010B	0723 18:00	0725 09:22	MG
Manganese, Total	380	mg/kg	0.47	1	6010B	0723 18:00	0725 09:22	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0720 17:00	0723 13:36	DM
Nickel, Total	24	mg/kg	1.2	1	6010B	0723 18:00	0725 09:22	MG
Potassium, Total	2200	mg/kg	120	1	6010B	0723 18:00	0725 09:22	MG
Selenium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:22	MG
Silver, Total	ND	mg/kg	0.47	1	6010B	0723 18:00	0725 09:22	MG
Sodium, Total	410	mg/kg	94	1	6010B	0723 18:00	0725 09:22	MG
Thallium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:22	MG
Vanadium, Total	40	mg/kg	0.47	1	6010B	0723 18:00	0725 09:22	MG
Zinc, Total	61	mg/kg	2.3	1	6010B	0723 18:00	0725 09:22	MG
Volatile Organics by EPA 8260B				1	8260B		0725 18:17	RD
Methylene chloride	ND	ug/kg	29.					
1,1-Dichloroethane	ND	ug/kg	4.4					
Chloroform	ND	ug/kg	4.4					
Carbon tetrachloride	ND	ug/kg	2.9					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	2.9					
1,1,2-Trichloroethane	ND	ug/kg	4.4					
Tetrachloroethene	ND	ug/kg	2.9					
Chlorobenzene	ND	ug/kg	2.9					
Trichlorofluoromethane	ND	ug/kg	15.					

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

Laboratory Sample Number: L0710362-05
TRC-SB-5 (23-25)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 18:17	PD
1,2-Dichloroethane	39	ug/kg	2.9				
1,1,1-Trichloroethane	ND	ug/kg	2.9				
Bromodichloromethane	ND	ug/kg	2.9				
trans-1,3-Dichloropropene	ND	ug/kg	2.9				
cis-1,3-Dichloropropene	ND	ug/kg	2.9				
1,1-Dichloropropene	ND	ug/kg	15.				
Bromoform	ND	ug/kg	12.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9				
Benzene	ND	ug/kg	2.9				
Toluene	ND	ug/kg	4.4				
Ethylbenzene	ND	ug/kg	2.9				
Chloromethane	ND	ug/kg	15.				
Bromomethane	ND	ug/kg	5.9				
Vinyl chloride	ND	ug/kg	5.9				
Chloroethane	ND	ug/kg	5.9				
1,1-Dichloroethene	ND	ug/kg	2.9				
trans-1,2-Dichloroethene	ND	ug/kg	4.4				
Trichloroethene	ND	ug/kg	2.9				
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	5.9				
p/m-Xylene	ND	ug/kg	5.9				
o-Xylene	ND	ug/kg	5.9				
cis-1,2-Dichloroethene	ND	ug/kg	2.9				
Dibromomethane	ND	ug/kg	29.				
Styrene	ND	ug/kg	5.9				
Dichlorodifluoromethane	ND	ug/kg	29.				
Acetone	ND	ug/kg	29.				
Carbon disulfide	ND	ug/kg	29.				
2-Butanone	ND	ug/kg	29.				
Vinyl acetate	ND	ug/kg	29.				
4-Methyl-2-pentanone	ND	ug/kg	29.				
2-Hexanone	ND	ug/kg	29.				
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	2.9				
Bromobenzene	ND	ug/kg	15.				
n-Butylbenzene	ND	ug/kg	2.9				
sec-Butylbenzene	ND	ug/kg	2.9				
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	2.9				
p-Isopropyltoluene	ND	ug/kg	2.9				

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

Laboratory Sample Number: L0710362-05
TRC-SB-5 (23-25)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 18:17	PD
Naphthalene	ND	ug/kg	15.				
n-Propylbenzene	ND	ug/kg	2.9				
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.				
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ug/kg	59.				
1,4-Diethylbenzene	ND	ug/kg	2.9				
4-Ethyltoluene	ND	ug/kg	2.9				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.9				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	110	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	103	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 19:47	PS
Acenaphthene	ND	ug/kg	390				
1,2,4-Trichlorobenzene	ND	ug/kg	390				
Hexachlorobenzene	ND	ug/kg	390				
Bis(2-chloroethyl)ether	ND	ug/kg	390				
2-Chloronaphthalene	ND	ug/kg	470				
1,2-Dichlorobenzene	ND	ug/kg	390				
1,3-Dichlorobenzene	ND	ug/kg	390				
1,4-Dichlorobenzene	ND	ug/kg	390				
3,3'-Dichlorobenzidine	ND	ug/kg	780				
2,4-Dinitrotoluene	ND	ug/kg	390				
2,6-Dinitrotoluene	ND	ug/kg	390				
Fluoranthene	ND	ug/kg	390				
4-Chlorophenyl phenyl ether	ND	ug/kg	390				
4-Bromophenyl phenyl ether	ND	ug/kg	390				
Bis(2-chloroisopropyl)ether	ND	ug/kg	390				
Bis(2-chloroethoxy)methane	ND	ug/kg	390				
Hexachlorobutadiene	ND	ug/kg	780				
Hexachlorocyclopentadiene	ND	ug/kg	780				
Hexachloroethane	ND	ug/kg	390				
Isophorone	ND	ug/kg	390				
Naphthalene	ND	ug/kg	390				
Nitrobenzene	ND	ug/kg	390				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200				
n-Nitrosodi-n-propylamine	ND	ug/kg	390				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	780				
Butyl benzyl phthalate	ND	ug/kg	390				
Di-n-butylphthalate	ND	ug/kg	390				
Di-n-octylphthalate	ND	ug/kg	390				
Diethyl phthalate	ND	ug/kg	390				
Dimethyl phthalate	ND	ug/kg	390				

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

Laboratory Sample Number: L0710362-05
TRC-SB-5 (23-25)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 19:47	PS
Benzo(a)anthracene	ND	ug/kg	390				
Benzo(a)pyrene	ND	ug/kg	390				
Benzo(b)fluoranthene	ND	ug/kg	390				
Benzo(k)fluoranthene	ND	ug/kg	390				
Chrysene	ND	ug/kg	390				
Acenaphthylene	ND	ug/kg	390				
Anthracene	ND	ug/kg	390				
Benzo(ghi)perylene	ND	ug/kg	390				
Fluorene	ND	ug/kg	390				
Phenanthrene	ND	ug/kg	390				
Dibenzo(a,h)anthracene	ND	ug/kg	390				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	390				
Pyrene	ND	ug/kg	390				
Biphenyl	ND	ug/kg	390				
4-Chloroaniline	ND	ug/kg	390				
2-Nitroaniline	ND	ug/kg	390				
3-Nitroaniline	ND	ug/kg	390				
4-Nitroaniline	ND	ug/kg	550				
Dibenzofuran	ND	ug/kg	390				
2-Methylnaphthalene	ND	ug/kg	390				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600				
Acetophenone	ND	ug/kg	1600				
2,4,6-Trichlorophenol	ND	ug/kg	390				
P-Chloro-M-Cresol	ND	ug/kg	390				
2-Chlorophenol	ND	ug/kg	470				
2,4-Dichlorophenol	ND	ug/kg	780				
2,4-Dimethylphenol	ND	ug/kg	390				
2-Nitrophenol	ND	ug/kg	1600				
4-Nitrophenol	ND	ug/kg	780				
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	550				
2-Methylphenol	ND	ug/kg	470				
3-Methylphenol/4-Methylphenol	ND	ug/kg	470				
2,4,5-Trichlorophenol	ND	ug/kg	390				
Benzoic Acid	ND	ug/kg	3900				
Benzyl Alcohol	ND	ug/kg	780				
Carbazole	ND	ug/kg	390				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	62.0	%	25-120				
Phenol-d6	77.0	%	10-120				
Nitrobenzene-d5	61.0	%	23-120				
2-Fluorobiphenyl	47.0	%	30-120				
2,4,6-Tribromophenol	68.0	%	19-120				
4-Terphenyl-d14	75.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 20:38	SS

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

Laboratory Sample Number: L0710362-05
TRC-SB-5 (23-25)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0721 10:40	0724 20:38	SS
Aroclor 1016	ND	ug/kg	39.2					
Aroclor 1221	ND	ug/kg	39.2					
Aroclor 1232	ND	ug/kg	39.2					
Aroclor 1242	ND	ug/kg	39.2					
Aroclor 1248	ND	ug/kg	39.2					
Aroclor 1254	ND	ug/kg	39.2					
Aroclor 1260	ND	ug/kg	39.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	69.0	%	30-150					
Decachlorobiphenyl	64.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0721 12:45	0724 19:47	JB
Delta-BHC	ND	ug/kg	3.92					
Alpha-BHC	ND	ug/kg	3.92					
Heptachlor	ND	ug/kg	3.92					
Aldrin	ND	ug/kg	3.92					
Heptachlor epoxide	ND	ug/kg	3.92					
Endrin	ND	ug/kg	3.92					
Endrin ketone	ND	ug/kg	3.92					
Dieldrin	ND	ug/kg	3.92					
4,4'-DDE	ND	ug/kg	3.92					
4,4'-DDD	ND	ug/kg	3.92					
4,4'-DDT	ND	ug/kg	3.92					
Endosulfan I	ND	ug/kg	3.92					
Endosulfan II	ND	ug/kg	3.92					
Endosulfan sulfate	ND	ug/kg	3.92					
Methoxychlor	ND	ug/kg	15.7					
trans-Chlordane	ND	ug/kg	3.92					
Chlordane	ND	ug/kg	15.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	60.0	%	30-150					
Decachlorobiphenyl	42.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0721 12:45	0724 19:47	JB
Lindane	ND	ug/kg	3.92					
Beta-BHC	ND	ug/kg	3.92					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-06
TRC-SB-6 (15-17)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 12:45
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	90	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	12000	mg/kg	4.4	1	6010B	0723 18:00	0725 09:24	MG
Antimony, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:24	MG
Arsenic, Total	3.2	mg/kg	0.44	1	6010B	0723 18:00	0725 09:24	MG
Barium, Total	100	mg/kg	0.44	1	6010B	0723 18:00	0725 09:24	MG
Beryllium, Total	0.95	mg/kg	0.22	1	6010B	0723 18:00	0725 09:24	MG
Cadmium, Total	ND	mg/kg	0.44	1	6010B	0723 18:00	0725 09:24	MG
Calcium, Total	14000	mg/kg	4.4	1	6010B	0723 18:00	0725 09:24	MG
Chromium, Total	45	mg/kg	0.44	1	6010B	0723 18:00	0725 09:24	MG
Cobalt, Total	42	mg/kg	0.88	1	6010B	0723 18:00	0725 09:24	MG
Copper, Total	120	mg/kg	0.44	1	6010B	0723 18:00	0725 09:24	MG
Iron, Total	20000	mg/kg	2.2	1	6010B	0723 18:00	0725 09:24	MG
Lead, Total	98	mg/kg	2.2	1	6010B	0723 18:00	0725 09:24	MG
Magnesium, Total	10000	mg/kg	4.4	1	6010B	0723 18:00	0725 09:24	MG
Manganese, Total	460	mg/kg	0.44	1	6010B	0723 18:00	0725 09:24	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0720 17:00	0723 13:41	DM
Nickel, Total	29	mg/kg	1.1	1	6010B	0723 18:00	0725 09:24	MG
Potassium, Total	3500	mg/kg	110	1	6010B	0723 18:00	0725 09:24	MG
Selenium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:24	MG
Silver, Total	ND	mg/kg	0.44	1	6010B	0723 18:00	0725 09:24	MG
Sodium, Total	1100	mg/kg	88	1	6010B	0723 18:00	0725 09:24	MG
Thallium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:24	MG
Vanadium, Total	39	mg/kg	0.44	1	6010B	0723 18:00	0725 09:24	MG
Zinc, Total	750	mg/kg	22	1	6010B	0723 18:00	0725 11:21	MG
Volatile Organics by EPA 8260B				1	8260B		0725 18:53	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

Laboratory Sample Number: L0710362-06
TRC-SB-6 (15-17)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 18:53	PD
1,2-Dichloroethane	17	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.				
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				

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

Laboratory Sample Number: L0710362-06
TRC-SB-6 (15-17)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 18:53	PD
Naphthalene	ND	ug/kg	14.				
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.				
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ug/kg	56.				
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	113	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	103	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 20:11	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

Laboratory Sample Number: L0710362-06
TRC-SB-6 (15-17)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 20:11	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	92.0	%	25-120				
Phenol-d6	112	%	10-120				
Nitrobenzene-d5	91.0	%	23-120				
2-Fluorobiphenyl	72.0	%	30-120				
2,4,6-Tribromophenol	80.0	%	19-120				
4-Terphenyl-d14	87.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 21:07	SS

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

Laboratory Sample Number: L0710362-06
TRC-SB-6 (15-17)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0724 21:07	SS
Aroclor 1016	ND	ug/kg	37.0				
Aroclor 1221	ND	ug/kg	37.0				
Aroclor 1232	ND	ug/kg	37.0				
Aroclor 1242	ND	ug/kg	37.0				
Aroclor 1248	ND	ug/kg	37.0				
Aroclor 1254	ND	ug/kg	37.0				
Aroclor 1260	ND	ug/kg	37.0				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	75.0	%	30-150				
Decachlorobiphenyl	65.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 01:34	JB
Delta-BHC	ND	ug/kg	18.5				
Alpha-BHC	ND	ug/kg	18.5				
Heptachlor	ND	ug/kg	18.5				
Aldrin	ND	ug/kg	18.5				
Heptachlor epoxide	ND	ug/kg	18.5				
Endrin	ND	ug/kg	18.5				
Endrin ketone	ND	ug/kg	18.5				
Dieldrin	ND	ug/kg	18.5				
4,4'-DDE	ND	ug/kg	18.5				
4,4'-DDD	ND	ug/kg	18.5				
4,4'-DDT	ND	ug/kg	18.5				
Endosulfan I	ND	ug/kg	18.5				
Endosulfan II	ND	ug/kg	18.5				
Endosulfan sulfate	ND	ug/kg	18.5				
Methoxychlor	ND	ug/kg	74.1				
trans-Chlordane	ND	ug/kg	18.5				
Chlordane	ND	ug/kg	74.1				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	65.0	%	30-150				
Decachlorobiphenyl	30.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 01:34	JB
Lindane	ND	ug/kg	18.5				
Beta-BHC	ND	ug/kg	18.5				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-07
TRC-SB-7 (18-20)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 11:45
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	91	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	13000	mg/kg	4.4	1	6010B	0723 18:00	0725 09:27	MG
Antimony, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:27	MG
Arsenic, Total	1.7	mg/kg	0.44	1	6010B	0723 18:00	0725 09:27	MG
Barium, Total	140	mg/kg	0.44	1	6010B	0723 18:00	0725 09:27	MG
Beryllium, Total	0.96	mg/kg	0.22	1	6010B	0723 18:00	0725 09:27	MG
Cadmium, Total	ND	mg/kg	0.44	1	6010B	0723 18:00	0725 09:27	MG
Calcium, Total	6700	mg/kg	4.4	1	6010B	0723 18:00	0725 09:27	MG
Chromium, Total	36	mg/kg	0.44	1	6010B	0723 18:00	0725 09:27	MG
Cobalt, Total	11	mg/kg	0.88	1	6010B	0723 18:00	0725 09:27	MG
Copper, Total	30	mg/kg	0.44	1	6010B	0723 18:00	0725 09:27	MG
Iron, Total	20000	mg/kg	2.2	1	6010B	0723 18:00	0725 09:27	MG
Lead, Total	27	mg/kg	2.2	1	6010B	0723 18:00	0725 09:27	MG
Magnesium, Total	8200	mg/kg	4.4	1	6010B	0723 18:00	0725 09:27	MG
Manganese, Total	240	mg/kg	0.44	1	6010B	0723 18:00	0725 09:27	MG
Mercury, Total	0.22	mg/kg	0.09	1	7471A	0720 17:00	0723 13:43	DM
Nickel, Total	25	mg/kg	1.1	1	6010B	0723 18:00	0725 09:27	MG
Potassium, Total	5100	mg/kg	110	1	6010B	0723 18:00	0725 09:27	MG
Selenium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:27	MG
Silver, Total	ND	mg/kg	0.44	1	6010B	0723 18:00	0725 09:27	MG
Sodium, Total	ND	mg/kg	88.	1	6010B	0723 18:00	0725 09:27	MG
Thallium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:27	MG
Vanadium, Total	44	mg/kg	0.44	1	6010B	0723 18:00	0725 09:27	MG
Zinc, Total	62	mg/kg	2.2	1	6010B	0723 18:00	0725 09:27	MG
Volatile Organics by EPA 8260B				1	8260B		0725 19:29	RD
Methylene chloride	ND	ug/kg	27.					
1,1-Dichloroethane	ND	ug/kg	4.1					
Chloroform	ND	ug/kg	4.1					
Carbon tetrachloride	ND	ug/kg	2.7					
1,2-Dichloropropane	ND	ug/kg	9.6					
Dibromochloromethane	ND	ug/kg	2.7					
1,1,2-Trichloroethane	ND	ug/kg	4.1					
Tetrachloroethene	ND	ug/kg	2.7					
Chlorobenzene	ND	ug/kg	2.7					
Trichlorofluoromethane	ND	ug/kg	14.					

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

Laboratory Sample Number: L0710362-07
TRC-SB-7 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 19:29	PD
1,2-Dichloroethane	23	ug/kg	2.7				
1,1,1-Trichloroethane	ND	ug/kg	2.7				
Bromodichloromethane	ND	ug/kg	2.7				
trans-1,3-Dichloropropene	ND	ug/kg	2.7				
cis-1,3-Dichloropropene	ND	ug/kg	2.7				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7				
Benzene	ND	ug/kg	2.7				
Toluene	ND	ug/kg	4.1				
Ethylbenzene	ND	ug/kg	2.7				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.5				
Vinyl chloride	ND	ug/kg	5.5				
Chloroethane	ND	ug/kg	5.5				
1,1-Dichloroethene	ND	ug/kg	2.7				
trans-1,2-Dichloroethene	ND	ug/kg	4.1				
Trichloroethene	ND	ug/kg	2.7				
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	5.5				
p/m-Xylene	ND	ug/kg	5.5				
o-Xylene	ND	ug/kg	5.5				
cis-1,2-Dichloroethene	ND	ug/kg	2.7				
Dibromomethane	ND	ug/kg	27.				
Styrene	ND	ug/kg	5.5				
Dichlorodifluoromethane	ND	ug/kg	27.				
Acetone	ND	ug/kg	27.				
Carbon disulfide	ND	ug/kg	27.				
2-Butanone	ND	ug/kg	27.				
Vinyl acetate	ND	ug/kg	27.				
4-Methyl-2-pentanone	ND	ug/kg	27.				
2-Hexanone	ND	ug/kg	27.				
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	2.7				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.7				
sec-Butylbenzene	ND	ug/kg	2.7				
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	2.7				
p-Isopropyltoluene	ND	ug/kg	2.7				

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

Laboratory Sample Number: L0710362-07
TRC-SB-7 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 19:29	PD
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.7				
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.				
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ug/kg	55.				
1,4-Diethylbenzene	ND	ug/kg	2.7				
4-Ethyltoluene	ND	ug/kg	2.7				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.7				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	113	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	104	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 20:33	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	730				
2,4-Dinitrotoluene	ND	ug/kg	370				
2,6-Dinitrotoluene	ND	ug/kg	370				
Fluoranthene	1600	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	730				
Hexachlorocyclopentadiene	ND	ug/kg	730				
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	730				
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

Laboratory Sample Number: L0710362-07
TRC-SB-7 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 20:33	PS
Benzo(a)anthracene	790	ug/kg	370				
Benzo(a)pyrene	710	ug/kg	370				
Benzo(b)fluoranthene	670	ug/kg	370				
Benzo(k)fluoranthene	580	ug/kg	370				
Chrysene	720	ug/kg	370				
Acenaphthylene	ND	ug/kg	370				
Anthracene	410	ug/kg	370				
Benzo(ghi)perylene	620	ug/kg	370				
Fluorene	ND	ug/kg	370				
Phenanthrene	1300	ug/kg	370				
Dibenzo(a,h)anthracene	ND	ug/kg	370				
Indeno(1,2,3-cd)Pyrene	630	ug/kg	370				
Pyrene	1300	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	510				
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	730				
2,4-Dimethylphenol	ND	ug/kg	370				
2-Nitrophenol	ND	ug/kg	1500				
4-Nitrophenol	ND	ug/kg	730				
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	510				
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	730				
Carbazole	ND	ug/kg	370				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	87.0	%	25-120				
Phenol-d6	110	%	10-120				
Nitrobenzene-d5	85.0	%	23-120				
2-Fluorobiphenyl	71.0	%	30-120				
2,4,6-Tribromophenol	88.0	%	19-120				
4-Terphenyl-d14	87.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 22:03	SS

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

Laboratory Sample Number: L0710362-07
TRC-SB-7 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0724 22:03	SS
Aroclor 1016	ND	ug/kg	36.6				
Aroclor 1221	ND	ug/kg	36.6				
Aroclor 1232	ND	ug/kg	36.6				
Aroclor 1242	ND	ug/kg	36.6				
Aroclor 1248	ND	ug/kg	36.6				
Aroclor 1254	ND	ug/kg	36.6				
Aroclor 1260	ND	ug/kg	36.6				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	44.0	%	30-150				
Decachlorobiphenyl	42.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 01:51	JB
Delta-BHC	ND	ug/kg	18.3				
Alpha-BHC	ND	ug/kg	18.3				
Heptachlor	ND	ug/kg	18.3				
Aldrin	ND	ug/kg	18.3				
Heptachlor epoxide	ND	ug/kg	18.3				
Endrin	ND	ug/kg	18.3				
Endrin ketone	ND	ug/kg	18.3				
Dieldrin	ND	ug/kg	18.3				
4,4'-DDE	ND	ug/kg	18.3				
4,4'-DDD	ND	ug/kg	18.3				
4,4'-DDT	ND	ug/kg	18.3				
Endosulfan I	ND	ug/kg	18.3				
Endosulfan II	ND	ug/kg	18.3				
Endosulfan sulfate	ND	ug/kg	18.3				
Methoxychlor	ND	ug/kg	73.3				
trans-Chlordane	ND	ug/kg	18.3				
Chlordane	ND	ug/kg	73.3				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	63.0	%	30-150				
Decachlorobiphenyl	31.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 01:51	JB
Lindane	ND	ug/kg	18.3				
Beta-BHC	ND	ug/kg	18.3				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-08
TRC-SB-8 (18-20)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 11:00
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	85	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	15000	mg/kg	4.6	1	6010B	0723 18:00	0725 09:29	MG
Antimony, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:29	MG
Arsenic, Total	3.1	mg/kg	0.46	1	6010B	0723 18:00	0725 09:29	MG
Barium, Total	68	mg/kg	0.46	1	6010B	0723 18:00	0725 09:29	MG
Beryllium, Total	0.79	mg/kg	0.23	1	6010B	0723 18:00	0725 09:29	MG
Cadmium, Total	ND	mg/kg	0.46	1	6010B	0723 18:00	0725 09:29	MG
Calcium, Total	1700	mg/kg	4.6	1	6010B	0723 18:00	0725 09:29	MG
Chromium, Total	38	mg/kg	0.46	1	6010B	0723 18:00	0725 09:29	MG
Cobalt, Total	11	mg/kg	0.93	1	6010B	0723 18:00	0725 09:29	MG
Copper, Total	26	mg/kg	0.46	1	6010B	0723 18:00	0725 09:29	MG
Iron, Total	21000	mg/kg	2.3	1	6010B	0723 18:00	0725 09:29	MG
Lead, Total	15	mg/kg	2.3	1	6010B	0723 18:00	0725 09:29	MG
Magnesium, Total	7400	mg/kg	4.6	1	6010B	0723 18:00	0725 09:29	MG
Manganese, Total	230	mg/kg	0.46	1	6010B	0723 18:00	0725 09:29	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0720 17:00	0723 13:45	DM
Nickel, Total	26	mg/kg	1.2	1	6010B	0723 18:00	0725 09:29	MG
Potassium, Total	3100	mg/kg	120	1	6010B	0723 18:00	0725 09:29	MG
Selenium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:29	MG
Silver, Total	ND	mg/kg	0.46	1	6010B	0723 18:00	0725 09:29	MG
Sodium, Total	ND	mg/kg	93	1	6010B	0723 18:00	0725 09:29	MG
Thallium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:29	MG
Vanadium, Total	48	mg/kg	0.46	1	6010B	0723 18:00	0725 09:29	MG
Zinc, Total	57	mg/kg	2.3	1	6010B	0723 18:00	0725 09:29	MG
TCLP Semi-Volatile Organics				1	8270C	0724 17:30	0725 18:52	PS
TCLP Extraction				1	1311	0723 17:00		
Hexachlorobenzene	ND	ug/l	25.					
2,4-Dinitrotoluene	ND	ug/l	30.					
Hexachlorobutadiene	ND	ug/l	50.					
Hexachloroethane	ND	ug/l	25.					
Nitrobenzene	ND	ug/l	25.					
2,4,6-Trichlorophenol	ND	ug/l	25.					
Pentachlorophenol	ND	ug/l	50.					
2-Methylphenol	ND	ug/l	30.					
3-Methylphenol/4-Methylphenol	ND	ug/l	30.					

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

Laboratory Sample Number: L0710362-08
TRC-SB-8 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
TCLP Semi-Volatile Organics cont'd				1 8270C	0724 17:30	0725 18:52	PS
TCLP Extraction				1 1311	0723 17:00		
2,4,5-Trichlorophenol	ND	ug/l	25.				
Pyridine	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	81.0	%	21-120				
Phenol-d6	96.0	%	10-120				
Nitrobenzene-d5	81.0	%	23-120				
2-Fluorobiphenyl	65.0	%	43-120				
2,4,6-Tribromophenol	79.0	%	10-120				
4-Terphenyl-d14	79.0	%	33-120				
Volatile Organics by EPA 8260B				1 8260B		0726 10:55	PD
Methylene chloride	ND	ug/kg	29.				
1,1-Dichloroethane	ND	ug/kg	4.4				
Chloroform	ND	ug/kg	4.4				
Carbon tetrachloride	ND	ug/kg	2.9				
1,2-Dichloropropane	ND	ug/kg	10.				
Dibromochloromethane	ND	ug/kg	2.9				
1,1,2-Trichloroethane	ND	ug/kg	4.4				
Tetrachloroethene	ND	ug/kg	2.9				
Chlorobenzene	ND	ug/kg	2.9				
Trichlorofluoromethane	ND	ug/kg	15.				
1,2-Dichloroethane	10	ug/kg	2.9				
1,1,1-Trichloroethane	ND	ug/kg	2.9				
Bromodichloromethane	ND	ug/kg	2.9				
trans-1,3-Dichloropropene	ND	ug/kg	2.9				
cis-1,3-Dichloropropene	ND	ug/kg	2.9				
1,1-Dichloropropene	ND	ug/kg	15.				
Bromoform	ND	ug/kg	12.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9				
Benzene	ND	ug/kg	2.9				
Toluene	ND	ug/kg	4.4				
Ethylbenzene	ND	ug/kg	2.9				
Chloromethane	ND	ug/kg	15.				
Bromomethane	ND	ug/kg	5.9				
Vinyl chloride	ND	ug/kg	5.9				
Chloroethane	ND	ug/kg	5.9				
1,1-Dichloroethene	ND	ug/kg	2.9				
trans-1,2-Dichloroethene	ND	ug/kg	4.4				
Trichloroethene	ND	ug/kg	2.9				
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	5.9				
p/m-Xylene	ND	ug/kg	5.9				
o-Xylene	ND	ug/kg	5.9				
cis-1,2-Dichloroethene	ND	ug/kg	2.9				
Dibromomethane	ND	ug/kg	29.				

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

Laboratory Sample Number: L0710362-08
TRC-SB-8 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0726 10:55	PD
Styrene	ND	ug/kg	5.9				
Dichlorodifluoromethane	ND	ug/kg	29.				
Acetone	38	ug/kg	29				
Carbon disulfide	ND	ug/kg	29.				
2-Butanone	ND	ug/kg	29.				
Vinyl acetate	ND	ug/kg	29.				
4-Methyl-2-pentanone	ND	ug/kg	29.				
2-Hexanone	ND	ug/kg	29.				
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	2.9				
Bromobenzene	ND	ug/kg	15.				
n-Butylbenzene	ND	ug/kg	2.9				
sec-Butylbenzene	ND	ug/kg	2.9				
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	2.9				
p-Isopropyltoluene	ND	ug/kg	2.9				
Naphthalene	ND	ug/kg	15.				
n-Propylbenzene	ND	ug/kg	2.9				
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.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	59.				
1,4-Diethylbenzene	4.2	ug/kg	2.9				
4-Ethyltoluene	ND	ug/kg	2.9				
1,2,4,5-Tetramethylbenzene	32	ug/kg	2.9				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	106	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	102	%	70-130				
Dibromofluoromethane	100	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 20:56	PS
Acenaphthene	ND	ug/kg	390				
1,2,4-Trichlorobenzene	ND	ug/kg	390				
Hexachlorobenzene	ND	ug/kg	390				
Bis(2-chloroethyl)ether	ND	ug/kg	390				
2-Chloronaphthalene	ND	ug/kg	470				
1,2-Dichlorobenzene	ND	ug/kg	390				
1,3-Dichlorobenzene	ND	ug/kg	390				

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

Laboratory Sample Number: L0710362-08
TRC-SB-8 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 20:56	PS
1,4-Dichlorobenzene	ND	ug/kg	390				
3,3'-Dichlorobenzidine	ND	ug/kg	780				
2,4-Dinitrotoluene	ND	ug/kg	390				
2,6-Dinitrotoluene	ND	ug/kg	390				
Fluoranthene	ND	ug/kg	390				
4-Chlorophenyl phenyl ether	ND	ug/kg	390				
4-Bromophenyl phenyl ether	ND	ug/kg	390				
Bis(2-chloroisopropyl)ether	ND	ug/kg	390				
Bis(2-chloroethoxy)methane	ND	ug/kg	390				
Hexachlorobutadiene	ND	ug/kg	780				
Hexachlorocyclopentadiene	ND	ug/kg	780				
Hexachloroethane	ND	ug/kg	390				
Isophorone	ND	ug/kg	390				
Naphthalene	ND	ug/kg	390				
Nitrobenzene	ND	ug/kg	390				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200				
n-Nitrosodi-n-propylamine	ND	ug/kg	390				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	780				
Butyl benzyl phthalate	ND	ug/kg	390				
Di-n-butylphthalate	ND	ug/kg	390				
Di-n-octylphthalate	ND	ug/kg	390				
Diethyl phthalate	ND	ug/kg	390				
Dimethyl phthalate	ND	ug/kg	390				
Benzo(a)anthracene	ND	ug/kg	390				
Benzo(a)pyrene	ND	ug/kg	390				
Benzo(b)fluoranthene	ND	ug/kg	390				
Benzo(k)fluoranthene	ND	ug/kg	390				
Chrysene	ND	ug/kg	390				
Acenaphthylene	ND	ug/kg	390				
Anthracene	ND	ug/kg	390				
Benzo(ghi)perylene	ND	ug/kg	390				
Fluorene	ND	ug/kg	390				
Phenanthrene	ND	ug/kg	390				
Dibenzo(a,h)anthracene	ND	ug/kg	390				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	390				
Pyrene	ND	ug/kg	390				
Biphenyl	ND	ug/kg	390				
4-Chloroaniline	ND	ug/kg	390				
2-Nitroaniline	ND	ug/kg	390				
3-Nitroaniline	ND	ug/kg	390				
4-Nitroaniline	ND	ug/kg	550				
Dibenzofuran	ND	ug/kg	390				
2-Methylnaphthalene	ND	ug/kg	390				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600				
Acetophenone	ND	ug/kg	1600				
2,4,6-Trichlorophenol	ND	ug/kg	390				
P-Chloro-M-Cresol	ND	ug/kg	390				
2-Chlorophenol	ND	ug/kg	470				
2,4-Dichlorophenol	ND	ug/kg	780				

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

Laboratory Sample Number: L0710362-08
TRC-SB-8 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 20:56	PS
2,4-Dimethylphenol	ND	ug/kg	390				
2-Nitrophenol	ND	ug/kg	1600				
4-Nitrophenol	ND	ug/kg	780				
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	550				
2-Methylphenol	ND	ug/kg	470				
3-Methylphenol/4-Methylphenol	ND	ug/kg	470				
2,4,5-Trichlorophenol	ND	ug/kg	390				
Benzoic Acid	ND	ug/kg	3900				
Benzyl Alcohol	ND	ug/kg	780				
Carbazole	ND	ug/kg	390				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	65.0	%	25-120				
Phenol-d6	79.0	%	10-120				
Nitrobenzene-d5	61.0	%	23-120				
2-Fluorobiphenyl	52.0	%	30-120				
2,4,6-Tribromophenol	80.0	%	19-120				
4-Terphenyl-d14	80.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0725 12:30	0726 09:55	SS
Aroclor 1016	ND	ug/kg	39.2				
Aroclor 1221	ND	ug/kg	39.2				
Aroclor 1232	ND	ug/kg	39.2				
Aroclor 1242	ND	ug/kg	39.2				
Aroclor 1248	ND	ug/kg	39.2				
Aroclor 1254	ND	ug/kg	39.2				
Aroclor 1260	ND	ug/kg	39.2				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	68.0	%	30-150				
Decachlorobiphenyl	81.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 21:25	JB
Delta-BHC	ND	ug/kg	19.6				
Alpha-BHC	ND	ug/kg	19.6				
Heptachlor	ND	ug/kg	19.6				
Aldrin	ND	ug/kg	19.6				
Heptachlor epoxide	ND	ug/kg	19.6				
Endrin	ND	ug/kg	19.6				
Endrin ketone	ND	ug/kg	19.6				
Dieldrin	ND	ug/kg	19.6				
4,4'-DDE	ND	ug/kg	19.6				
4,4'-DDD	ND	ug/kg	19.6				
4,4'-DDT	ND	ug/kg	19.6				
Endosulfan I	ND	ug/kg	19.6				
Endosulfan II	ND	ug/kg	19.6				

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

Laboratory Sample Number: L0710362-08
TRC-SB-8 (18-20)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1 8081A	0721 12:45	0725 21:25	JB
Endosulfan sulfate	ND	ug/kg	19.6				
Methoxychlor	ND	ug/kg	78.4				
trans-Chlordane	ND	ug/kg	19.6				
Chlordane	ND	ug/kg	78.4				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	69.0	%	30-150				
Decachlorobiphenyl	41.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 21:25	JB
Lindane	ND	ug/kg	19.6				
Beta-BHC	ND	ug/kg	19.6				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-09
TRC-SB-8 (23-25)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 11:10
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	85	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	12000	mg/kg	4.7	1	6010B	0723 18:00	0725 09:49	MG
Antimony, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:49	MG
Arsenic, Total	2.5	mg/kg	0.47	1	6010B	0723 18:00	0725 09:49	MG
Barium, Total	82	mg/kg	0.47	1	6010B	0723 18:00	0725 09:49	MG
Beryllium, Total	0.58	mg/kg	0.23	1	6010B	0723 18:00	0725 09:49	MG
Cadmium, Total	ND	mg/kg	0.47	1	6010B	0723 18:00	0725 09:49	MG
Calcium, Total	2200	mg/kg	4.7	1	6010B	0723 18:00	0725 09:49	MG
Chromium, Total	34	mg/kg	0.47	1	6010B	0723 18:00	0725 09:49	MG
Cobalt, Total	8.5	mg/kg	0.94	1	6010B	0723 18:00	0725 09:49	MG
Copper, Total	19	mg/kg	0.47	1	6010B	0723 18:00	0725 09:49	MG
Iron, Total	18000	mg/kg	2.3	1	6010B	0723 18:00	0725 09:49	MG
Lead, Total	26	mg/kg	2.3	1	6010B	0723 18:00	0725 09:49	MG
Magnesium, Total	5200	mg/kg	4.7	1	6010B	0723 18:00	0725 09:49	MG
Manganese, Total	350	mg/kg	0.47	1	6010B	0723 18:00	0725 09:49	MG
Mercury, Total	ND	mg/kg	0.10	1	7471A	0720 17:00	0723 13:47	DM
Nickel, Total	19	mg/kg	1.2	1	6010B	0723 18:00	0725 09:49	MG
Potassium, Total	2000	mg/kg	120	1	6010B	0723 18:00	0725 09:49	MG
Selenium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:49	MG
Silver, Total	ND	mg/kg	0.47	1	6010B	0723 18:00	0725 09:49	MG
Sodium, Total	380	mg/kg	94	1	6010B	0723 18:00	0725 09:49	MG
Thallium, Total	ND	mg/kg	2.3	1	6010B	0723 18:00	0725 09:49	MG
Vanadium, Total	38	mg/kg	0.47	1	6010B	0723 18:00	0725 09:49	MG
Zinc, Total	77	mg/kg	2.3	1	6010B	0723 18:00	0725 09:49	MG
Volatile Organics by EPA 8260B				1	8260B		0725 20:04	PD
Methylene chloride	ND	ug/kg	29.					
1,1-Dichloroethane	ND	ug/kg	4.4					
Chloroform	ND	ug/kg	4.4					
Carbon tetrachloride	ND	ug/kg	2.9					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	2.9					
1,1,2-Trichloroethane	ND	ug/kg	4.4					
Tetrachloroethene	ND	ug/kg	2.9					
Chlorobenzene	ND	ug/kg	2.9					
Trichlorofluoromethane	ND	ug/kg	15.					

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

Laboratory Sample Number: L0710362-09
TRC-SB-8 (23-25)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 20:04	PD
1,2-Dichloroethane	43	ug/kg	2.9				
1,1,1-Trichloroethane	ND	ug/kg	2.9				
Bromodichloromethane	ND	ug/kg	2.9				
trans-1,3-Dichloropropene	ND	ug/kg	2.9				
cis-1,3-Dichloropropene	ND	ug/kg	2.9				
1,1-Dichloropropene	ND	ug/kg	15.				
Bromoform	ND	ug/kg	12.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9				
Benzene	ND	ug/kg	2.9				
Toluene	ND	ug/kg	4.4				
Ethylbenzene	ND	ug/kg	2.9				
Chloromethane	ND	ug/kg	15.				
Bromomethane	ND	ug/kg	5.9				
Vinyl chloride	ND	ug/kg	5.9				
Chloroethane	ND	ug/kg	5.9				
1,1-Dichloroethene	ND	ug/kg	2.9				
trans-1,2-Dichloroethene	ND	ug/kg	4.4				
Trichloroethene	ND	ug/kg	2.9				
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	5.9				
p/m-Xylene	ND	ug/kg	5.9				
o-Xylene	ND	ug/kg	5.9				
cis-1,2-Dichloroethene	ND	ug/kg	2.9				
Dibromomethane	ND	ug/kg	29.				
Styrene	ND	ug/kg	5.9				
Dichlorodifluoromethane	ND	ug/kg	29.				
Acetone	ND	ug/kg	29.				
Carbon disulfide	ND	ug/kg	29.				
2-Butanone	ND	ug/kg	29.				
Vinyl acetate	ND	ug/kg	29.				
4-Methyl-2-pentanone	ND	ug/kg	29.				
2-Hexanone	ND	ug/kg	29.				
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	2.9				
Bromobenzene	ND	ug/kg	15.				
n-Butylbenzene	ND	ug/kg	2.9				
sec-Butylbenzene	ND	ug/kg	2.9				
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	2.9				
p-Isopropyltoluene	ND	ug/kg	2.9				

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

Laboratory Sample Number: L0710362-09
TRC-SB-8 (23-25)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 20:04	PD
Naphthalene	ND	ug/kg	15.				
n-Propylbenzene	ND	ug/kg	2.9				
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.				
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ug/kg	59.				
1,4-Diethylbenzene	ND	ug/kg	2.9				
4-Ethyltoluene	ND	ug/kg	2.9				
1,2,4,5-Tetramethylbenzene	6.8	ug/kg	2.9				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	114	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	102	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 21:18	PS
Acenaphthene	ND	ug/kg	390				
1,2,4-Trichlorobenzene	ND	ug/kg	390				
Hexachlorobenzene	ND	ug/kg	390				
Bis(2-chloroethyl)ether	ND	ug/kg	390				
2-Chloronaphthalene	ND	ug/kg	470				
1,2-Dichlorobenzene	ND	ug/kg	390				
1,3-Dichlorobenzene	ND	ug/kg	390				
1,4-Dichlorobenzene	ND	ug/kg	390				
3,3'-Dichlorobenzidine	ND	ug/kg	780				
2,4-Dinitrotoluene	ND	ug/kg	390				
2,6-Dinitrotoluene	ND	ug/kg	390				
Fluoranthene	ND	ug/kg	390				
4-Chlorophenyl phenyl ether	ND	ug/kg	390				
4-Bromophenyl phenyl ether	ND	ug/kg	390				
Bis(2-chloroisopropyl)ether	ND	ug/kg	390				
Bis(2-chloroethoxy)methane	ND	ug/kg	390				
Hexachlorobutadiene	ND	ug/kg	780				
Hexachlorocyclopentadiene	ND	ug/kg	780				
Hexachloroethane	ND	ug/kg	390				
Isophorone	ND	ug/kg	390				
Naphthalene	ND	ug/kg	390				
Nitrobenzene	ND	ug/kg	390				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200				
n-Nitrosodi-n-propylamine	ND	ug/kg	390				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	780				
Butyl benzyl phthalate	ND	ug/kg	390				
Di-n-butylphthalate	ND	ug/kg	390				
Di-n-octylphthalate	ND	ug/kg	390				
Diethyl phthalate	ND	ug/kg	390				
Dimethyl phthalate	ND	ug/kg	390				

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

Laboratory Sample Number: L0710362-09
TRC-SB-8 (23-25)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 21:18	PS
Benzo(a)anthracene	ND	ug/kg	390				
Benzo(a)pyrene	ND	ug/kg	390				
Benzo(b)fluoranthene	ND	ug/kg	390				
Benzo(k)fluoranthene	ND	ug/kg	390				
Chrysene	ND	ug/kg	390				
Acenaphthylene	ND	ug/kg	390				
Anthracene	ND	ug/kg	390				
Benzo(ghi)perylene	ND	ug/kg	390				
Fluorene	ND	ug/kg	390				
Phenanthrene	ND	ug/kg	390				
Dibenzo(a,h)anthracene	ND	ug/kg	390				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	390				
Pyrene	ND	ug/kg	390				
Biphenyl	ND	ug/kg	390				
4-Chloroaniline	ND	ug/kg	390				
2-Nitroaniline	ND	ug/kg	390				
3-Nitroaniline	ND	ug/kg	390				
4-Nitroaniline	ND	ug/kg	550				
Dibenzofuran	ND	ug/kg	390				
2-Methylnaphthalene	ND	ug/kg	390				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600				
Acetophenone	ND	ug/kg	1600				
2,4,6-Trichlorophenol	ND	ug/kg	390				
P-Chloro-M-Cresol	ND	ug/kg	390				
2-Chlorophenol	ND	ug/kg	470				
2,4-Dichlorophenol	ND	ug/kg	780				
2,4-Dimethylphenol	ND	ug/kg	390				
2-Nitrophenol	ND	ug/kg	1600				
4-Nitrophenol	ND	ug/kg	780				
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	550				
2-Methylphenol	ND	ug/kg	470				
3-Methylphenol/4-Methylphenol	ND	ug/kg	470				
2,4,5-Trichlorophenol	ND	ug/kg	390				
Benzoic Acid	ND	ug/kg	3900				
Benzyl Alcohol	ND	ug/kg	780				
Carbazole	ND	ug/kg	390				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	77.0	%	25-120				
Phenol-d6	97.0	%	10-120				
Nitrobenzene-d5	73.0	%	23-120				
2-Fluorobiphenyl	60.0	%	30-120				
2,4,6-Tribromophenol	74.0	%	19-120				
4-Terphenyl-d14	69.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 23:01	SS

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

Laboratory Sample Number: L0710362-09
TRC-SB-8 (23-25)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0721 10:40	0724 23:01	SS
Aroclor 1016	ND	ug/kg	39.2					
Aroclor 1221	ND	ug/kg	39.2					
Aroclor 1232	ND	ug/kg	39.2					
Aroclor 1242	ND	ug/kg	39.2					
Aroclor 1248	ND	ug/kg	39.2					
Aroclor 1254	ND	ug/kg	39.2					
Aroclor 1260	ND	ug/kg	39.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	66.0	%	30-150					
Decachlorobiphenyl	59.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0721 12:45	0724 20:22	JB
Delta-BHC	ND	ug/kg	3.92					
Alpha-BHC	ND	ug/kg	3.92					
Heptachlor	ND	ug/kg	3.92					
Aldrin	ND	ug/kg	3.92					
Heptachlor epoxide	ND	ug/kg	3.92					
Endrin	ND	ug/kg	3.92					
Endrin ketone	ND	ug/kg	3.92					
Dieldrin	ND	ug/kg	3.92					
4,4'-DDE	ND	ug/kg	3.92					
4,4'-DDD	ND	ug/kg	3.92					
4,4'-DDT	ND	ug/kg	3.92					
Endosulfan I	ND	ug/kg	3.92					
Endosulfan II	ND	ug/kg	3.92					
Endosulfan sulfate	ND	ug/kg	3.92					
Methoxychlor	ND	ug/kg	15.7					
trans-Chlordane	ND	ug/kg	3.92					
Chlordane	ND	ug/kg	15.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	57.0	%	30-150					
Decachlorobiphenyl	42.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0721 12:45	0724 20:22	JB
Lindane	ND	ug/kg	3.92					
Beta-BHC	ND	ug/kg	3.92					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-10
TRC-SB-9 (24-26)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 09:50
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	94	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	12000	mg/kg	4.2	1	6010B	0723 18:00	0725 09:51	MG
Antimony, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 09:51	MG
Arsenic, Total	1.3	mg/kg	0.42	1	6010B	0723 18:00	0725 09:51	MG
Barium, Total	150	mg/kg	0.42	1	6010B	0723 18:00	0725 09:51	MG
Beryllium, Total	1.3	mg/kg	0.21	1	6010B	0723 18:00	0725 09:51	MG
Cadmium, Total	ND	mg/kg	0.42	1	6010B	0723 18:00	0725 09:51	MG
Calcium, Total	4400	mg/kg	4.2	1	6010B	0723 18:00	0725 09:51	MG
Chromium, Total	38	mg/kg	0.42	1	6010B	0723 18:00	0725 09:51	MG
Cobalt, Total	10	mg/kg	0.84	1	6010B	0723 18:00	0725 09:51	MG
Copper, Total	26	mg/kg	0.42	1	6010B	0723 18:00	0725 09:51	MG
Iron, Total	20000	mg/kg	2.1	1	6010B	0723 18:00	0725 09:51	MG
Lead, Total	5.1	mg/kg	2.1	1	6010B	0723 18:00	0725 09:51	MG
Magnesium, Total	7800	mg/kg	4.2	1	6010B	0723 18:00	0725 09:51	MG
Manganese, Total	260	mg/kg	0.42	1	6010B	0723 18:00	0725 09:51	MG
Mercury, Total	0.21	mg/kg	0.08	1	7471A	0720 17:00	0723 13:49	DM
Nickel, Total	20	mg/kg	1.0	1	6010B	0723 18:00	0725 09:51	MG
Potassium, Total	7300	mg/kg	1000	1	6010B	0723 18:00	0726 13:40	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 09:51	MG
Silver, Total	ND	mg/kg	0.42	1	6010B	0723 18:00	0725 09:51	MG
Sodium, Total	ND	mg/kg	84.	1	6010B	0723 18:00	0725 09:51	MG
Thallium, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 09:51	MG
Vanadium, Total	54	mg/kg	0.42	1	6010B	0723 18:00	0725 09:51	MG
Zinc, Total	48	mg/kg	2.1	1	6010B	0723 18:00	0725 09:51	MG
Volatile Organics by EPA 8260B				1	8260B		0725 20:39	PD
Methylene chloride	ND	ug/kg	26.					
1,1-Dichloroethane	ND	ug/kg	4.0					
Chloroform	ND	ug/kg	4.0					
Carbon tetrachloride	ND	ug/kg	2.6					
1,2-Dichloropropane	ND	ug/kg	9.3					
Dibromochloromethane	ND	ug/kg	2.6					
1,1,2-Trichloroethane	ND	ug/kg	4.0					
Tetrachloroethene	ND	ug/kg	2.6					
Chlorobenzene	ND	ug/kg	2.6					
Trichlorofluoromethane	ND	ug/kg	13.					

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

Laboratory Sample Number: L0710362-10
TRC-SB-9 (24-26)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 20:39	PD
1,2-Dichloroethane	51	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	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6				
Benzene	ND	ug/kg	2.6				
Toluene	ND	ug/kg	4.0				
Ethylbenzene	ND	ug/kg	2.6				
Chloromethane	ND	ug/kg	13.				
Bromomethane	ND	ug/kg	5.3				
Vinyl chloride	ND	ug/kg	5.3				
Chloroethane	ND	ug/kg	5.3				
1,1-Dichloroethene	ND	ug/kg	2.6				
trans-1,2-Dichloroethene	ND	ug/kg	4.0				
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	5.3				
p/m-Xylene	ND	ug/kg	5.3				
o-Xylene	ND	ug/kg	5.3				
cis-1,2-Dichloroethene	ND	ug/kg	2.6				
Dibromomethane	ND	ug/kg	26.				
Styrene	ND	ug/kg	5.3				
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.				
2-Hexanone	ND	ug/kg	26.				
Bromochloromethane	ND	ug/kg	13.				
2,2-Dichloropropane	ND	ug/kg	13.				
1,2-Dibromoethane	ND	ug/kg	11.				
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				

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

Laboratory Sample Number: L0710362-10
TRC-SB-9 (24-26)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 20:39	PD
Naphthalene	ND	ug/kg	13.				
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.				
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ug/kg	53.				
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	116	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	110	%	70-130				
Dibromofluoromethane	105	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 21:41	PS
Acenaphthene	ND	ug/kg	350				
1,2,4-Trichlorobenzene	ND	ug/kg	350				
Hexachlorobenzene	ND	ug/kg	350				
Bis(2-chloroethyl)ether	ND	ug/kg	350				
2-Chloronaphthalene	ND	ug/kg	420				
1,2-Dichlorobenzene	ND	ug/kg	350				
1,3-Dichlorobenzene	ND	ug/kg	350				
1,4-Dichlorobenzene	ND	ug/kg	350				
3,3'-Dichlorobenzidine	ND	ug/kg	710				
2,4-Dinitrotoluene	ND	ug/kg	350				
2,6-Dinitrotoluene	ND	ug/kg	350				
Fluoranthene	ND	ug/kg	350				
4-Chlorophenyl phenyl ether	ND	ug/kg	350				
4-Bromophenyl phenyl ether	ND	ug/kg	350				
Bis(2-chloroisopropyl)ether	ND	ug/kg	350				
Bis(2-chloroethoxy)methane	ND	ug/kg	350				
Hexachlorobutadiene	ND	ug/kg	710				
Hexachlorocyclopentadiene	ND	ug/kg	710				
Hexachloroethane	ND	ug/kg	350				
Isophorone	ND	ug/kg	350				
Naphthalene	ND	ug/kg	350				
Nitrobenzene	ND	ug/kg	350				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100				
n-Nitrosodi-n-propylamine	ND	ug/kg	350				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	710				
Butyl benzyl phthalate	ND	ug/kg	350				
Di-n-butylphthalate	ND	ug/kg	350				
Di-n-octylphthalate	ND	ug/kg	350				
Diethyl phthalate	ND	ug/kg	350				
Dimethyl phthalate	ND	ug/kg	350				

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

Laboratory Sample Number: L0710362-10
TRC-SB-9 (24-26)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 21:41	PS
Benzo(a)anthracene	ND	ug/kg	350				
Benzo(a)pyrene	ND	ug/kg	350				
Benzo(b)fluoranthene	ND	ug/kg	350				
Benzo(k)fluoranthene	ND	ug/kg	350				
Chrysene	ND	ug/kg	350				
Acenaphthylene	ND	ug/kg	350				
Anthracene	ND	ug/kg	350				
Benzo(ghi)perylene	ND	ug/kg	350				
Fluorene	ND	ug/kg	350				
Phenanthrene	ND	ug/kg	350				
Dibenzo(a,h)anthracene	ND	ug/kg	350				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	350				
Pyrene	ND	ug/kg	350				
Biphenyl	ND	ug/kg	350				
4-Chloroaniline	ND	ug/kg	350				
2-Nitroaniline	ND	ug/kg	350				
3-Nitroaniline	ND	ug/kg	350				
4-Nitroaniline	ND	ug/kg	500				
Dibenzofuran	ND	ug/kg	350				
2-Methylnaphthalene	ND	ug/kg	350				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400				
Acetophenone	ND	ug/kg	1400				
2,4,6-Trichlorophenol	ND	ug/kg	350				
P-Chloro-M-Cresol	ND	ug/kg	350				
2-Chlorophenol	ND	ug/kg	420				
2,4-Dichlorophenol	ND	ug/kg	710				
2,4-Dimethylphenol	ND	ug/kg	350				
2-Nitrophenol	ND	ug/kg	1400				
4-Nitrophenol	ND	ug/kg	710				
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	500				
2-Methylphenol	ND	ug/kg	420				
3-Methylphenol/4-Methylphenol	ND	ug/kg	420				
2,4,5-Trichlorophenol	ND	ug/kg	350				
Benzoic Acid	ND	ug/kg	3500				
Benzyl Alcohol	ND	ug/kg	710				
Carbazole	ND	ug/kg	350				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	58.0	%	25-120				
Phenol-d6	74.0	%	10-120				
Nitrobenzene-d5	56.0	%	23-120				
2-Fluorobiphenyl	48.0	%	30-120				
2,4,6-Tribromophenol	63.0	%	19-120				
4-Terphenyl-d14	70.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 23:29	SS

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

Laboratory Sample Number: L0710362-10
TRC-SB-9 (24-26)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0724 23:29	SS
Aroclor 1016	ND	ug/kg	35.5				
Aroclor 1221	ND	ug/kg	35.5				
Aroclor 1232	ND	ug/kg	35.5				
Aroclor 1242	ND	ug/kg	35.5				
Aroclor 1248	ND	ug/kg	35.5				
Aroclor 1254	ND	ug/kg	35.5				
Aroclor 1260	ND	ug/kg	35.5				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	74.0	%	30-150				
Decachlorobiphenyl	65.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 21:31	JB
Delta-BHC	ND	ug/kg	3.55				
Alpha-BHC	ND	ug/kg	3.55				
Heptachlor	ND	ug/kg	3.55				
Aldrin	ND	ug/kg	3.55				
Heptachlor epoxide	ND	ug/kg	3.55				
Endrin	ND	ug/kg	3.55				
Endrin ketone	ND	ug/kg	3.55				
Dieldrin	ND	ug/kg	3.55				
4,4'-DDE	ND	ug/kg	3.55				
4,4'-DDD	ND	ug/kg	3.55				
4,4'-DDT	ND	ug/kg	3.55				
Endosulfan I	ND	ug/kg	3.55				
Endosulfan II	ND	ug/kg	3.55				
Endosulfan sulfate	ND	ug/kg	3.55				
Methoxychlor	ND	ug/kg	14.2				
trans-Chlordane	ND	ug/kg	3.55				
Chlordane	ND	ug/kg	14.2				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	61.0	%	30-150				
Decachlorobiphenyl	40.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 21:31	JB
Lindane	ND	ug/kg	3.55				
Beta-BHC	ND	ug/kg	3.55				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-11
TRC-SB-10 (16-18)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 10:20
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	92	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	17000	mg/kg	4.3	1	6010B	0723 18:00	0725 09:54	MG
Antimony, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:54	MG
Arsenic, Total	0.52	mg/kg	0.43	1	6010B	0723 18:00	0725 09:54	MG
Barium, Total	150	mg/kg	0.43	1	6010B	0723 18:00	0725 09:54	MG
Beryllium, Total	2.0	mg/kg	0.22	1	6010B	0723 18:00	0725 09:54	MG
Cadmium, Total	ND	mg/kg	0.43	1	6010B	0723 18:00	0725 09:54	MG
Calcium, Total	3400	mg/kg	4.3	1	6010B	0723 18:00	0725 09:54	MG
Chromium, Total	31	mg/kg	0.43	1	6010B	0723 18:00	0725 09:54	MG
Cobalt, Total	15	mg/kg	0.86	1	6010B	0723 18:00	0725 09:54	MG
Copper, Total	34	mg/kg	0.43	1	6010B	0723 18:00	0725 09:54	MG
Iron, Total	32000	mg/kg	22	1	6010B	0723 18:00	0725 11:24	MG
Lead, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:54	MG
Magnesium, Total	11000	mg/kg	4.3	1	6010B	0723 18:00	0725 09:54	MG
Manganese, Total	320	mg/kg	0.43	1	6010B	0723 18:00	0725 09:54	MG
Mercury, Total	0.23	mg/kg	0.08	1	7471A	0720 17:00	0723 13:50	DM
Nickel, Total	25	mg/kg	1.1	1	6010B	0723 18:00	0725 09:54	MG
Potassium, Total	9200	mg/kg	1100	1	6010B	0723 18:00	0725 11:24	MG
Selenium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:54	MG
Silver, Total	ND	mg/kg	0.43	1	6010B	0723 18:00	0725 09:54	MG
Sodium, Total	ND	mg/kg	86.	1	6010B	0723 18:00	0725 09:54	MG
Thallium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 09:54	MG
Vanadium, Total	79	mg/kg	0.43	1	6010B	0723 18:00	0725 09:54	MG
Zinc, Total	67	mg/kg	2.2	1	6010B	0723 18:00	0725 09:54	MG
Volatile Organics by EPA 8260B				1	8260B		0725 21:15	PD
Methylene chloride	ND	ug/kg	27.					
1,1-Dichloroethane	ND	ug/kg	4.1					
Chloroform	ND	ug/kg	4.1					
Carbon tetrachloride	ND	ug/kg	2.7					
1,2-Dichloropropane	ND	ug/kg	9.5					
Dibromochloromethane	ND	ug/kg	2.7					
1,1,2-Trichloroethane	ND	ug/kg	4.1					
Tetrachloroethene	ND	ug/kg	2.7					
Chlorobenzene	ND	ug/kg	2.7					
Trichlorofluoromethane	ND	ug/kg	14.					

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

Laboratory Sample Number: L0710362-11
TRC-SB-10 (16-18)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1-8260B		0725 21:15	PD
1,2-Dichloroethane	47	ug/kg	2.7				
1,1,1-Trichloroethane	ND	ug/kg	2.7				
Bromodichloromethane	ND	ug/kg	2.7				
trans-1,3-Dichloropropene	ND	ug/kg	2.7				
cis-1,3-Dichloropropene	ND	ug/kg	2.7				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7				
Benzene	ND	ug/kg	2.7				
Toluene	ND	ug/kg	4.1				
Ethylbenzene	ND	ug/kg	2.7				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.4				
Vinyl chloride	ND	ug/kg	5.4				
Chloroethane	ND	ug/kg	5.4				
1,1-Dichloroethene	ND	ug/kg	2.7				
trans-1,2-Dichloroethene	ND	ug/kg	4.1				
Trichloroethene	ND	ug/kg	2.7				
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	5.4				
p/m-Xylene	ND	ug/kg	5.4				
o-Xylene	ND	ug/kg	5.4				
cis-1,2-Dichloroethene	ND	ug/kg	2.7				
Dibromomethane	ND	ug/kg	27.				
Styrene	ND	ug/kg	5.4				
Dichlorodifluoromethane	ND	ug/kg	27.				
Acetone	ND	ug/kg	27.				
Carbon disulfide	ND	ug/kg	27.				
2-Butanone	ND	ug/kg	27.				
Vinyl acetate	ND	ug/kg	27.				
4-Methyl-2-pentanone	ND	ug/kg	27.				
2-Hexanone	ND	ug/kg	27.				
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	2.7				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.7				
sec-Butylbenzene	ND	ug/kg	2.7				
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	2.7				
p-Isopropyltoluene	ND	ug/kg	2.7				

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

Laboratory Sample Number: L0710362-11
TRC-SB-10 (16-18)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 21:15	PD
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.7				
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.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	54.				
1,4-Diethylbenzene	ND	ug/kg	2.7				
4-Ethyltoluene	ND	ug/kg	2.7				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.7				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	120	%	70-130				
Toluene-d8	103	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	104	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 22:04	PS
Acenaphthene	ND	ug/kg	360				
1,2,4-Trichlorobenzene	ND	ug/kg	360				
Hexachlorobenzene	ND	ug/kg	360				
Bis(2-chloroethyl)ether	ND	ug/kg	360				
2-Chloronaphthalene	ND	ug/kg	430				
1,2-Dichlorobenzene	ND	ug/kg	360				
1,3-Dichlorobenzene	ND	ug/kg	360				
1,4-Dichlorobenzene	ND	ug/kg	360				
3,3'-Dichlorobenzidine	ND	ug/kg	720				
2,4-Dinitrotoluene	ND	ug/kg	360				
2,6-Dinitrotoluene	ND	ug/kg	360				
Fluoranthene	ND	ug/kg	360				
4-Chlorophenyl phenyl ether	ND	ug/kg	360				
4-Bromophenyl phenyl ether	ND	ug/kg	360				
Bis(2-chloroisopropyl)ether	ND	ug/kg	360				
Bis(2-chloroethoxy)methane	ND	ug/kg	360				
Hexachlorobutadiene	ND	ug/kg	720				
Hexachlorocyclopentadiene	ND	ug/kg	720				
Hexachloroethane	ND	ug/kg	360				
Isophorone	ND	ug/kg	360				
Naphthalene	ND	ug/kg	360				
Nitrobenzene	ND	ug/kg	360				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100				
n-Nitrosodi-n-propylamine	ND	ug/kg	360				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	720				
Butyl benzyl phthalate	ND	ug/kg	360				
Di-n-butylphthalate	ND	ug/kg	360				
Di-n-octylphthalate	ND	ug/kg	360				
Diethyl phthalate	ND	ug/kg	360				
Dimethyl phthalate	ND	ug/kg	360				

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

Laboratory Sample Number: L0710362-11
TRC-SB-10 (16-18)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 22:04	PS
Benzo(a)anthracene	ND	ug/kg	360				
Benzo(a)pyrene	ND	ug/kg	360				
Benzo(b)fluoranthene	ND	ug/kg	360				
Benzo(k)fluoranthene	ND	ug/kg	360				
Chrysene	ND	ug/kg	360				
Acenaphthylene	ND	ug/kg	360				
Anthracene	ND	ug/kg	360				
Benzo(ghi)perylene	ND	ug/kg	360				
Fluorene	ND	ug/kg	360				
Phenanthrene	ND	ug/kg	360				
Dibenzo(a,h)anthracene	ND	ug/kg	360				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	360				
Pyrene	ND	ug/kg	360				
Biphenyl	ND	ug/kg	360				
4-Chloroaniline	ND	ug/kg	360				
2-Nitroaniline	ND	ug/kg	360				
3-Nitroaniline	ND	ug/kg	360				
4-Nitroaniline	ND	ug/kg	510				
Dibenzofuran	ND	ug/kg	360				
2-Methylnaphthalene	ND	ug/kg	360				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400				
Acetophenone	ND	ug/kg	1400				
2,4,6-Trichlorophenol	ND	ug/kg	360				
P-Chloro-M-Cresol	ND	ug/kg	360				
2-Chlorophenol	ND	ug/kg	430				
2,4-Dichlorophenol	ND	ug/kg	720				
2,4-Dimethylphenol	ND	ug/kg	360				
2-Nitrophenol	ND	ug/kg	1400				
4-Nitrophenol	ND	ug/kg	720				
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	510				
2-Methylphenol	ND	ug/kg	430				
3-Methylphenol/4-Methylphenol	ND	ug/kg	430				
2,4,5-Trichlorophenol	ND	ug/kg	360				
Benzoic Acid	ND	ug/kg	3600				
Benzyl Alcohol	ND	ug/kg	720				
Carbazole	ND	ug/kg	360				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	72.0	%	25-120				
Phenol-d6	89.0	%	10-120				
Nitrobenzene-d5	67.0	%	23-120				
2-Fluorobiphenyl	55.0	%	30-120				
2,4,6-Tribromophenol	72.0	%	19-120				
4-Terphenyl-d14	77.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 23:58	SS

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

Laboratory Sample Number: L0710362-11
TRC-SB-10 (16-18)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0724 23:58	SS
Aroclor 1016	ND	ug/kg	36.2				
Aroclor 1221	ND	ug/kg	36.2				
Aroclor 1232	ND	ug/kg	36.2				
Aroclor 1242	ND	ug/kg	36.2				
Aroclor 1248	ND	ug/kg	36.2				
Aroclor 1254	ND	ug/kg	36.2				
Aroclor 1260	ND	ug/kg	36.2				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	46.0	%	30-150				
Decachlorobiphenyl	45.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 20:39	JB
Delta-BHC	ND	ug/kg	3.62				
Alpha-BHC	ND	ug/kg	3.62				
Heptachlor	ND	ug/kg	3.62				
Aldrin	ND	ug/kg	3.62				
Heptachlor epoxide	ND	ug/kg	3.62				
Endrin	ND	ug/kg	3.62				
Endrin ketone	ND	ug/kg	3.62				
Dieldrin	ND	ug/kg	3.62				
4,4'-DDE	ND	ug/kg	3.62				
4,4'-DDD	ND	ug/kg	3.62				
4,4'-DDT	ND	ug/kg	3.62				
Endosulfan I	ND	ug/kg	3.62				
Endosulfan II	ND	ug/kg	3.62				
Endosulfan sulfate	ND	ug/kg	3.62				
Methoxychlor	ND	ug/kg	14.5				
trans-Chlordane	ND	ug/kg	3.62				
Chlordane	ND	ug/kg	14.5				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	74.0	%	30-150				
Decachlorobiphenyl	55.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 20:39	JB
Lindane	ND	ug/kg	3.62				
Beta-BHC	ND	ug/kg	3.62				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-12
TRC-SB-11 (10-12)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 09:20
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	94	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	15000	mg/kg	4.2	1	6010B	0723 18:00	0725 09:56	MG
Antimony, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 09:56	MG
Arsenic, Total	ND	mg/kg	0.42	1	6010B	0723 18:00	0725 09:56	MG
Barium, Total	180	mg/kg	0.42	1	6010B	0723 18:00	0725 09:56	MG
Beryllium, Total	2.3	mg/kg	0.21	1	6010B	0723 18:00	0725 09:56	MG
Cadmium, Total	ND	mg/kg	0.42	1	6010B	0723 18:00	0725 09:56	MG
Calcium, Total	3100	mg/kg	4.2	1	6010B	0723 18:00	0725 09:56	MG
Chromium, Total	48	mg/kg	0.42	1	6010B	0723 18:00	0725 09:56	MG
Cobalt, Total	14	mg/kg	0.85	1	6010B	0723 18:00	0725 09:56	MG
Copper, Total	36	mg/kg	0.42	1	6010B	0723 18:00	0725 09:56	MG
Iron, Total	31000	mg/kg	21	1	6010B	0723 18:00	0725 11:39	MG
Lead, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 09:56	MG
Magnesium, Total	10000	mg/kg	4.2	1	6010B	0723 18:00	0725 09:56	MG
Manganese, Total	340	mg/kg	0.42	1	6010B	0723 18:00	0725 09:56	MG
Mercury, Total	0.29	mg/kg	0.08	1	7471A	0720 17:00	0723 13:52	DM
Nickel, Total	28	mg/kg	1.0	1	6010B	0723 18:00	0725 09:56	MG
Potassium, Total	10000	mg/kg	1000	1	6010B	0723 18:00	0725 11:39	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 09:56	MG
Silver, Total	ND	mg/kg	0.42	1	6010B	0723 18:00	0725 09:56	MG
Sodium, Total	ND	mg/kg	85.	1	6010B	0723 18:00	0725 09:56	MG
Thallium, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 09:56	MG
Vanadium, Total	74	mg/kg	0.42	1	6010B	0723 18:00	0725 09:56	MG
Zinc, Total	61	mg/kg	2.1	1	6010B	0723 18:00	0725 09:56	MG
Volatile Organics by EPA 8260B				1	8260B		0725 21:50	PD
Methylene chloride	ND	ug/kg	26.					
1,1-Dichloroethane	ND	ug/kg	4.0					
Chloroform	ND	ug/kg	4.0					
Carbon tetrachloride	ND	ug/kg	2.6					
1,2-Dichloropropane	ND	ug/kg	9.3					
Dibromochloromethane	ND	ug/kg	2.6					
1,1,2-Trichloroethane	ND	ug/kg	4.0					
Tetrachloroethene	ND	ug/kg	2.6					
Chlorobenzene	ND	ug/kg	2.6					
Trichlorofluoromethane	ND	ug/kg	13.					

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

Laboratory Sample Number: L0710362-12
TRC-SB-11 (10-12)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 21:50	PD
1,2-Dichloroethane	35	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	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6				
Benzene	ND	ug/kg	2.6				
Toluene	ND	ug/kg	4.0				
Ethylbenzene	ND	ug/kg	2.6				
Chloromethane	ND	ug/kg	13.				
Bromomethane	ND	ug/kg	5.3				
Vinyl chloride	ND	ug/kg	5.3				
Chloroethane	ND	ug/kg	5.3				
1,1-Dichloroethene	ND	ug/kg	2.6				
trans-1,2-Dichloroethene	ND	ug/kg	4.0				
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	5.3				
p/m-Xylene	ND	ug/kg	5.3				
o-Xylene	ND	ug/kg	5.3				
cis-1,2-Dichloroethene	ND	ug/kg	2.6				
Dibromomethane	ND	ug/kg	26.				
Styrene	ND	ug/kg	5.3				
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.				
2-Hexanone	ND	ug/kg	26.				
Bromochloromethane	ND	ug/kg	13.				
2,2-Dichloropropane	ND	ug/kg	13.				
1,2-Dibromoethane	ND	ug/kg	11.				
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				

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

Laboratory Sample Number: L0710362-12
TRC-SB-11 (10-12)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 21:50	PD
Naphthalene	ND	ug/kg	13.				
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.				
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ug/kg	53.				
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	119	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	111	%	70-130				
Dibromofluoromethane	100	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 22:26	PS
Acenaphthene	ND	ug/kg	350				
1,2,4-Trichlorobenzene	ND	ug/kg	350				
Hexachlorobenzene	ND	ug/kg	350				
Bis(2-chloroethyl)ether	ND	ug/kg	350				
2-Chloronaphthalene	ND	ug/kg	420				
1,2-Dichlorobenzene	ND	ug/kg	350				
1,3-Dichlorobenzene	ND	ug/kg	350				
1,4-Dichlorobenzene	ND	ug/kg	350				
3,3'-Dichlorobenzidine	ND	ug/kg	710				
2,4-Dinitrotoluene	ND	ug/kg	350				
2,6-Dinitrotoluene	ND	ug/kg	350				
Fluoranthene	ND	ug/kg	350				
4-Chlorophenyl phenyl ether	ND	ug/kg	350				
4-Bromophenyl phenyl ether	ND	ug/kg	350				
Bis(2-chloroisopropyl)ether	ND	ug/kg	350				
Bis(2-chloroethoxy)methane	ND	ug/kg	350				
Hexachlorobutadiene	ND	ug/kg	710				
Hexachlorocyclopentadiene	ND	ug/kg	710				
Hexachloroethane	ND	ug/kg	350				
Isophorone	ND	ug/kg	350				
Naphthalene	ND	ug/kg	350				
Nitrobenzene	ND	ug/kg	350				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100				
n-Nitrosodi-n-propylamine	ND	ug/kg	350				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	710				
Butyl benzyl phthalate	ND	ug/kg	350				
Di-n-butylphthalate	ND	ug/kg	350				
Di-n-octylphthalate	ND	ug/kg	350				
Diethyl phthalate	ND	ug/kg	350				
Dimethyl phthalate	ND	ug/kg	350				

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

Laboratory Sample Number: L0710362-12
TRC-SB-11 (10-12)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 22:26	PS
Benzo(a)anthracene	ND	ug/kg	350				
Benzo(a)pyrene	ND	ug/kg	350				
Benzo(b)fluoranthene	ND	ug/kg	350				
Benzo(k)fluoranthene	ND	ug/kg	350				
Chrysene	ND	ug/kg	350				
Acenaphthylene	ND	ug/kg	350				
Anthracene	ND	ug/kg	350				
Benzo(ghi)perylene	ND	ug/kg	350				
Fluorene	ND	ug/kg	350				
Phenanthrene	ND	ug/kg	350				
Dibenzo(a,h)anthracene	ND	ug/kg	350				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	350				
Pyrene	ND	ug/kg	350				
Biphenyl	ND	ug/kg	350				
4-Chloroaniline	ND	ug/kg	350				
2-Nitroaniline	ND	ug/kg	350				
3-Nitroaniline	ND	ug/kg	350				
4-Nitroaniline	ND	ug/kg	500				
Dibenzofuran	ND	ug/kg	350				
2-Methylnaphthalene	ND	ug/kg	350				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400				
Acetophenone	ND	ug/kg	1400				
2,4,6-Trichlorophenol	ND	ug/kg	350				
P-Chloro-M-Cresol	ND	ug/kg	350				
2-Chlorophenol	ND	ug/kg	420				
2,4-Dichlorophenol	ND	ug/kg	710				
2,4-Dimethylphenol	ND	ug/kg	350				
2-Nitrophenol	ND	ug/kg	1400				
4-Nitrophenol	ND	ug/kg	710				
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	500				
2-Methylphenol	ND	ug/kg	420				
3-Methylphenol/4-Methylphenol	ND	ug/kg	420				
2,4,5-Trichlorophenol	ND	ug/kg	350				
Benzoic Acid	ND	ug/kg	3500				
Benzyl Alcohol	ND	ug/kg	710				
Carbazole	ND	ug/kg	350				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	75.0	%	25-120				
Phenol-d6	92.0	%	10-120				
Nitrobenzene-d5	70.0	%	23-120				
2-Fluorobiphenyl	58.0	%	30-120				
2,4,6-Tribromophenol	71.0	%	19-120				
4-Terphenyl-d14	75.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0725 00:26	SS

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

Laboratory Sample Number: L0710362-12
TRC-SB-11 (10-12)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0725 00:26	SS
Aroclor 1016	ND	ug/kg	35.5				
Aroclor 1221	ND	ug/kg	35.5				
Aroclor 1232	ND	ug/kg	35.5				
Aroclor 1242	ND	ug/kg	35.5				
Aroclor 1248	ND	ug/kg	35.5				
Aroclor 1254	ND	ug/kg	35.5				
Aroclor 1260	ND	ug/kg	35.5				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	84.0	%	30-150				
Decachlorobiphenyl	79.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 20:56	JB
Delta-BHC	ND	ug/kg	3.55				
Alpha-BHC	ND	ug/kg	3.55				
Heptachlor	ND	ug/kg	3.55				
Aldrin	ND	ug/kg	3.55				
Heptachlor epoxide	ND	ug/kg	3.55				
Endrin	ND	ug/kg	3.55				
Endrin ketone	ND	ug/kg	3.55				
Dieldrin	ND	ug/kg	3.55				
4,4'-DDE	ND	ug/kg	3.55				
4,4'-DDD	ND	ug/kg	3.55				
4,4'-DDT	ND	ug/kg	3.55				
Endosulfan I	ND	ug/kg	3.55				
Endosulfan II	ND	ug/kg	3.55				
Endosulfan sulfate	ND	ug/kg	3.55				
Methoxychlor	ND	ug/kg	14.2				
trans-Chlordane	ND	ug/kg	3.55				
Chlordane	ND	ug/kg	14.2				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	46.0	%	30-150				
Decachlorobiphenyl	34.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 20:56	JB
Lindane	ND	ug/kg	3.55				
Beta-BHC	ND	ug/kg	3.55				

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

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-13
TRC-SB-12 (11-12)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 09:00
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	94	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	15000	mg/kg	4.2	1	6010B	0723 18:00	0725 10:05	MG
Antimony, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 10:05	MG
Arsenic, Total	0.43	mg/kg	0.42	1	6010B	0723 18:00	0725 10:05	MG
Barium, Total	220	mg/kg	0.42	1	6010B	0723 18:00	0725 10:05	MG
Beryllium, Total	2.2	mg/kg	0.21	1	6010B	0723 18:00	0725 10:05	MG
Cadmium, Total	ND	mg/kg	0.42	1	6010B	0723 18:00	0725 10:05	MG
Calcium, Total	3500	mg/kg	4.2	1	6010B	0723 18:00	0725 10:05	MG
Chromium, Total	27	mg/kg	0.42	1	6010B	0723 18:00	0725 10:05	MG
Cobalt, Total	16	mg/kg	0.84	1	6010B	0723 18:00	0725 10:05	MG
Copper, Total	19	mg/kg	0.42	1	6010B	0723 18:00	0725 10:05	MG
Iron, Total	25000	mg/kg	21	1	6010B	0723 18:00	0725 11:42	MG
Lead, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 10:05	MG
Magnesium, Total	11000	mg/kg	4.2	1	6010B	0723 18:00	0725 10:05	MG
Manganese, Total	260	mg/kg	0.42	1	6010B	0723 18:00	0725 10:05	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0720 17:00	0723 13:54	DM
Nickel, Total	32	mg/kg	1.0	1	6010B	0723 18:00	0725 10:05	MG
Potassium, Total	8800	mg/kg	1000	1	6010B	0723 18:00	0725 11:42	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 10:05	MG
Silver, Total	ND	mg/kg	0.42	1	6010B	0723 18:00	0725 10:05	MG
Sodium, Total	ND	mg/kg	84.	1	6010B	0723 18:00	0725 10:05	MG
Thallium, Total	ND	mg/kg	2.1	1	6010B	0723 18:00	0725 10:05	MG
Vanadium, Total	51	mg/kg	0.42	1	6010B	0723 18:00	0725 10:05	MG
Zinc, Total	56	mg/kg	2.1	1	6010B	0723 18:00	0725 10:05	MG
Volatile Organics by EPA 8260B				1	8260B		0725 22:24	PD
Methylene chloride	ND	ug/kg	26.					
1,1-Dichloroethane	ND	ug/kg	4.0					
Chloroform	ND	ug/kg	4.0					
Carbon tetrachloride	ND	ug/kg	2.6					
1,2-Dichloropropane	ND	ug/kg	9.3					
Dibromochloromethane	ND	ug/kg	2.6					
1,1,2-Trichloroethane	ND	ug/kg	4.0					
Tetrachloroethene	ND	ug/kg	2.6					
Chlorobenzene	ND	ug/kg	2.6					
Trichlorofluoromethane	ND	ug/kg	13.					

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

Laboratory Sample Number: L0710362-13
TRC-SB-12 (11-12)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 22:24	PD
1,2-Dichloroethane	82	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	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6				
Benzene	ND	ug/kg	2.6				
Toluene	ND	ug/kg	4.0				
Ethylbenzene	ND	ug/kg	2.6				
Chloromethane	ND	ug/kg	13.				
Bromomethane	ND	ug/kg	5.3				
Vinyl chloride	ND	ug/kg	5.3				
Chloroethane	ND	ug/kg	5.3				
1,1-Dichloroethene	ND	ug/kg	2.6				
trans-1,2-Dichloroethene	ND	ug/kg	4.0				
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	5.3				
p/m-Xylene	ND	ug/kg	5.3				
o-Xylene	ND	ug/kg	5.3				
cis-1,2-Dichloroethene	ND	ug/kg	2.6				
Dibromomethane	ND	ug/kg	26.				
Styrene	ND	ug/kg	5.3				
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.				
2-Hexanone	ND	ug/kg	26.				
Bromochloromethane	ND	ug/kg	13.				
2,2-Dichloropropane	ND	ug/kg	13.				
1,2-Dibromoethane	ND	ug/kg	11.				
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				

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

Laboratory Sample Number: L0710362-13
TRC-SB-12 (11-12)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 22:24	PD
Naphthalene	ND	ug/kg	13.				
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.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	53.				
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	123	%	70-130				
Toluene-d8	96.0	%	70-130				
4-Bromofluorobenzene	130	%	70-130				
Dibromofluoromethane	95.0	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 22:49	PS
Acenaphthene	ND	ug/kg	350				
1,2,4-Trichlorobenzene	ND	ug/kg	350				
Hexachlorobenzene	ND	ug/kg	350				
Bis(2-chloroethyl)ether	ND	ug/kg	350				
2-Chloronaphthalene	ND	ug/kg	420				
1,2-Dichlorobenzene	ND	ug/kg	350				
1,3-Dichlorobenzene	ND	ug/kg	350				
1,4-Dichlorobenzene	ND	ug/kg	350				
3,3'-Dichlorobenzidine	ND	ug/kg	710				
2,4-Dinitrotoluene	ND	ug/kg	350				
2,6-Dinitrotoluene	ND	ug/kg	350				
Fluoranthene	ND	ug/kg	350				
4-Chlorophenyl phenyl ether	ND	ug/kg	350				
4-Bromophenyl phenyl ether	ND	ug/kg	350				
Bis(2-chloroisopropyl)ether	ND	ug/kg	350				
Bis(2-chloroethoxy)methane	ND	ug/kg	350				
Hexachlorobutadiene	ND	ug/kg	710				
Hexachlorocyclopentadiene	ND	ug/kg	710				
Hexachloroethane	ND	ug/kg	350				
Isophorone	ND	ug/kg	350				
Naphthalene	ND	ug/kg	350				
Nitrobenzene	ND	ug/kg	350				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100				
n-Nitrosodi-n-propylamine	ND	ug/kg	350				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	710				
Butyl benzyl phthalate	ND	ug/kg	350				
Di-n-butylphthalate	ND	ug/kg	350				
Di-n-octylphthalate	ND	ug/kg	350				
Diethyl phthalate	ND	ug/kg	350				
Dimethyl phthalate	ND	ug/kg	350				

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

Laboratory Sample Number: L0710362-13
TRC-SB-12 (11-12)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 22:49	PS
Benzo(a)anthracene	ND	ug/kg	350				
Benzo(a)pyrene	ND	ug/kg	350				
Benzo(b)fluoranthene	ND	ug/kg	350				
Benzo(k)fluoranthene	ND	ug/kg	350				
Chrysene	ND	ug/kg	350				
Acenaphthylene	ND	ug/kg	350				
Anthracene	ND	ug/kg	350				
Benzo(ghi)perylene	ND	ug/kg	350				
Fluorene	ND	ug/kg	350				
Phenanthrene	ND	ug/kg	350				
Dibenzo(a,h)anthracene	ND	ug/kg	350				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	350				
Pyrene	ND	ug/kg	350				
Biphenyl	ND	ug/kg	350				
4-Chloroaniline	ND	ug/kg	350				
2-Nitroaniline	ND	ug/kg	350				
3-Nitroaniline	ND	ug/kg	350				
4-Nitroaniline	ND	ug/kg	500				
Dibenzofuran	ND	ug/kg	350				
2-Methylnaphthalene	ND	ug/kg	350				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400				
Acetophenone	ND	ug/kg	1400				
2,4,6-Trichlorophenol	ND	ug/kg	350				
P-Chloro-M-Cresol	ND	ug/kg	350				
2-Chlorophenol	ND	ug/kg	420				
2,4-Dichlorophenol	ND	ug/kg	710				
2,4-Dimethylphenol	ND	ug/kg	350				
2-Nitrophenol	ND	ug/kg	1400				
4-Nitrophenol	ND	ug/kg	710				
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	500				
2-Methylphenol	ND	ug/kg	420				
3-Methylphenol/4-Methylphenol	ND	ug/kg	420				
2,4,5-Trichlorophenol	ND	ug/kg	350				
Benzoic Acid	ND	ug/kg	3500				
Benzyl Alcohol	ND	ug/kg	710				
Carbazole	ND	ug/kg	350				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	78.0	%	25-120				
Phenol-d6	100	%	10-120				
Nitrobenzene-d5	75.0	%	23-120				
2-Fluorobiphenyl	60.0	%	30-120				
2,4,6-Tribromophenol	79.0	%	19-120				
4-Terphenyl-d14	75.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0725 00:55	SS

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

Laboratory Sample Number: L0710362-13
TRC-SB-12 (11-12)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0725 00:55	SS
Aroclor 1016	ND	ug/kg	35.5				
Aroclor 1221	ND	ug/kg	35.5				
Aroclor 1232	ND	ug/kg	35.5				
Aroclor 1242	ND	ug/kg	35.5				
Aroclor 1248	ND	ug/kg	35.5				
Aroclor 1254	ND	ug/kg	35.5				
Aroclor 1260	ND	ug/kg	35.5				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	77.0	%	30-150				
Decachlorobiphenyl	67.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 21:14	JB
Delta-BHC	ND	ug/kg	3.55				
Alpha-BHC	ND	ug/kg	3.55				
Heptachlor	ND	ug/kg	3.55				
Aldrin	ND	ug/kg	3.55				
Heptachlor epoxide	ND	ug/kg	3.55				
Endrin	ND	ug/kg	3.55				
Endrin ketone	ND	ug/kg	3.55				
Dieldrin	ND	ug/kg	3.55				
4,4'-DDE	ND	ug/kg	3.55				
4,4'-DDD	ND	ug/kg	3.55				
4,4'-DDT	ND	ug/kg	3.55				
Endosulfan I	ND	ug/kg	3.55				
Endosulfan II	ND	ug/kg	3.55				
Endosulfan sulfate	ND	ug/kg	3.55				
Methoxychlor	ND	ug/kg	14.2				
trans-Chlordane	ND	ug/kg	3.55				
Chlordane	ND	ug/kg	14.2				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	59.0	%	30-150				
Decachlorobiphenyl	50.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 21:14	JB
Lindane	ND	ug/kg	3.55				
Beta-BHC	ND	ug/kg	3.55				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-14
TRC-BLANK
Sample Matrix: WATER

Date Collected: 19-JUL-2007 14:00
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0723 16:20	0725 12:37	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0723 16:20	0725 12:37	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0723 16:20	0725 12:37	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:37	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0723 16:20	0725 12:37	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0723 16:20	0725 12:37	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0723 16:20	0725 12:37	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0723 16:20	0725 12:37	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0723 16:20	0725 12:37	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:37	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0723 16:20	0725 12:37	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:37	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0723 16:20	0725 12:37	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:37	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0720 15:00	0723 11:48	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0723 16:20	0725 12:37	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0723 16:20	0725 12:37	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:37	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0723 16:20	0725 12:37	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0723 16:20	0725 12:37	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0723 16:20	0725 12:37	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:37	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0723 16:20	0725 12:37	AI
Volatile Organics by EPA 8260B				1	8260B		0726 00:43	PD
Methylene chloride	ND	ug/l	10.					
1,1-Dichloroethane	ND	ug/l	1.5					
Chloroform	ND	ug/l	1.5					
Carbon tetrachloride	ND	ug/l	1.0					
1,2-Dichloropropane	ND	ug/l	3.5					
Dibromochloromethane	ND	ug/l	1.0					
1,1,2-Trichloroethane	ND	ug/l	1.5					
Tetrachloroethene	ND	ug/l	1.0					
Chlorobenzene	ND	ug/l	1.0					
Trichlorofluoromethane	ND	ug/l	5.0					
1,2-Dichloroethane	ND	ug/l	1.0					
1,1,1-Trichloroethane	ND	ug/l	1.0					

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

Laboratory Sample Number: L0710362-14
TRC-BLANK

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0726 00:43	PD
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	5.0				
Bromoform	ND	ug/l	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.5				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	5.0				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
Methyl tert butyl ether	ND	ug/l	2.0				
p/m-Xylene	ND	ug/l	2.0				
o-Xylene	ND	ug/l	2.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,2,3-Trichloropropane	ND	ug/l	10.				
Styrene	ND	ug/l	2.0				
Dichlorodifluoromethane	ND	ug/l	10.				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	10.				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	10.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Bromochloromethane	ND	ug/l	5.0				
2,2-Dichloropropane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	4.0				
1,3-Dichloropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0				
Bromobenzene	ND	ug/l	5.0				
n-Butylbenzene	ND	ug/l	1.0				
sec-Butylbenzene	ND	ug/l	1.0				
tert-Butylbenzene	ND	ug/l	5.0				
o-Chlorotoluene	ND	ug/l	5.0				
p-Chlorotoluene	ND	ug/l	5.0				
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	1.2				
Isopropylbenzene	ND	ug/l	1.0				
p-Isopropyltoluene	ND	ug/l	1.0				
Naphthalene	ND	ug/l	5.0				

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

Laboratory Sample Number: L0710362-14
TRC-BLANK

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0726 00:43	PD
n-Propylbenzene	ND	ug/l	1.0				
1,2,3-Trichlorobenzene	ND	ug/l	5.0				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
1,3,5-Trimethylbenzene	ND	ug/l	5.0				
1,2,4-Trimethylbenzene	ND	ug/l	5.0				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/l	20.				
1,4-Diethylbenzene	ND	ug/l	1.0				
4-Ethyltoluene	ND	ug/l	1.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	1.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	98.0	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0720 18:00	0723 23:12	PS
Acenaphthene	ND	ug/l	4.9				
1,2,4-Trichlorobenzene	ND	ug/l	4.9				
Hexachlorobenzene	ND	ug/l	4.9				
Bis(2-chloroethyl)ether	ND	ug/l	4.9				
2-Chloronaphthalene	ND	ug/l	5.9				
1,2-Dichlorobenzene	ND	ug/l	4.9				
1,3-Dichlorobenzene	ND	ug/l	4.9				
1,4-Dichlorobenzene	ND	ug/l	4.9				
3,3'-Dichlorobenzidine	ND	ug/l	49.				
2,4-Dinitrotoluene	ND	ug/l	5.9				
2,6-Dinitrotoluene	ND	ug/l	4.9				
Fluoranthene	ND	ug/l	4.9				
4-Chlorophenyl phenyl ether	ND	ug/l	4.9				
4-Bromophenyl phenyl ether	ND	ug/l	4.9				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9				
Bis(2-chloroethoxy)methane	ND	ug/l	4.9				
Hexachlorobutadiene	ND	ug/l	9.9				
Hexachlorocyclopentadiene	ND	ug/l	30.				
Hexachloroethane	ND	ug/l	4.9				
Isophorone	ND	ug/l	4.9				
Naphthalene	ND	ug/l	4.9				
Nitrobenzene	ND	ug/l	4.9				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.9				
Bis(2-Ethylhexyl)phthalate	ND	ug/l	4.9				
Butyl benzyl phthalate	ND	ug/l	4.9				
Di-n-butylphthalate	ND	ug/l	4.9				
Di-n-octylphthalate	ND	ug/l	4.9				
Diethyl phthalate	ND	ug/l	4.9				
Dimethyl phthalate	ND	ug/l	4.9				
Benzo(a)anthracene	ND	ug/l	4.9				

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

Laboratory Sample Number: L0710362-14
TRC-BLANK

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0720 18:00	0723 23:12	PS
Benzo(a)pyrene	ND	ug/l	4.9				
Benzo(b)fluoranthene	ND	ug/l	4.9				
Benzo(k)fluoranthene	ND	ug/l	4.9				
Chrysene	ND	ug/l	4.9				
Acenaphthylene	ND	ug/l	4.9				
Anthracene	ND	ug/l	4.9				
Benzo(ghi)perylene	ND	ug/l	4.9				
Fluorene	ND	ug/l	4.9				
Phenanthrene	ND	ug/l	4.9				
Dibenzo(a,h)anthracene	ND	ug/l	4.9				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	6.9				
Pyrene	ND	ug/l	4.9				
Biphenyl	ND	ug/l	4.9				
4-Chloroaniline	ND	ug/l	4.9				
2-Nitroaniline	ND	ug/l	4.9				
3-Nitroaniline	ND	ug/l	4.9				
4-Nitroaniline	ND	ug/l	6.9				
Dibenzofuran	ND	ug/l	4.9				
2-Methylnaphthalene	ND	ug/l	4.9				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Acetophenone	ND	ug/l	20.				
2,4,6-Trichlorophenol	ND	ug/l	4.9				
P-Chloro-M-Cresol	ND	ug/l	4.9				
2-Chlorophenol	ND	ug/l	5.9				
2,4-Dichlorophenol	ND	ug/l	9.9				
2,4-Dimethylphenol	ND	ug/l	9.9				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	9.9				
2,4-Dinitrophenol	ND	ug/l	30.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	9.9				
Phenol	ND	ug/l	6.9				
2-Methylphenol	ND	ug/l	5.9				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9				
2,4,5-Trichlorophenol	ND	ug/l	4.9				
Benzoic Acid	ND	ug/l	49.				
Benzyl Alcohol	ND	ug/l	9.9				
Carbazole	ND	ug/l	4.9				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	42.0	%	21-120				
Phenol-d6	35.0	%	10-120				
Nitrobenzene-d5	67.0	%	23-120				
2-Fluorobiphenyl	55.0	%	43-120				
2,4,6-Tribromophenol	72.0	%	10-120				
4-Terphenyl-d14	81.0	%	33-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0720 18:30	0725 18:00	SS
Aroclor 1016	ND	ug/l	0.100				

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

Laboratory Sample Number: L0710362-14
TRC-BLANK

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0720 18:30	0725 18:00	SS
Aroclor 1221	ND	ug/l	0.100				
Aroclor 1232	ND	ug/l	0.100				
Aroclor 1242	ND	ug/l	0.100				
Aroclor 1248	ND	ug/l	0.100				
Aroclor 1254	ND	ug/l	0.100				
Aroclor 1260	ND	ug/l	0.100				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	74.0	%	30-150				
Decachlorobiphenyl	37.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0720 18:30	0726 01:14	JB
Dieldrin	ND	ug/l	0.040				
4,4'-DDE	ND	ug/l	0.040				
Organochlorine Pesticides by EPA 8081A				1 8081A	0720 18:30	0726 01:14	JB
Delta-BHC	ND	ug/l	0.020				
Lindane	ND	ug/l	0.020				
Alpha-BHC	ND	ug/l	0.020				
Beta-BHC	ND	ug/l	0.020				
Heptachlor	ND	ug/l	0.020				
Aldrin	ND	ug/l	0.020				
Heptachlor epoxide	ND	ug/l	0.020				
Endrin	ND	ug/l	0.040				
Endrin ketone	ND	ug/l	0.040				
4,4'-DDD	ND	ug/l	0.040				
4,4'-DDT	ND	ug/l	0.040				
Endosulfan I	ND	ug/l	0.020				
Endosulfan II	ND	ug/l	0.040				
Endosulfan sulfate	ND	ug/l	0.040				
Methoxychlor	ND	ug/l	0.200				
trans-Chlordane	ND	ug/l	0.020				
Chlordane	ND	ug/l	0.200				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	59.0	%	30-150				
Decachlorobiphenyl	33.0	%	30-150				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-15
TRC-SB-13 (15-17)
Sample Matrix: SOIL

Date Collected: 19-JUL-2007 16:00
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

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	92	%	0.10	30	2540G		0723 14:29	NM
Total Metals								
Aluminum, Total	16000	mg/kg	4.3	1	6010B	0723 18:00	0725 10:07	MG
Antimony, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 10:07	MG
Arsenic, Total	1.4	mg/kg	0.43	1	6010B	0723 18:00	0725 10:07	MG
Barium, Total	160	mg/kg	0.43	1	6010B	0723 18:00	0725 10:07	MG
Beryllium, Total	2.0	mg/kg	0.22	1	6010B	0723 18:00	0725 10:07	MG
Cadmium, Total	ND	mg/kg	0.43	1	6010B	0723 18:00	0725 10:07	MG
Calcium, Total	2700	mg/kg	4.3	1	6010B	0723 18:00	0725 10:07	MG
Chromium, Total	73	mg/kg	0.43	1	6010B	0723 18:00	0725 10:07	MG
Cobalt, Total	12	mg/kg	0.86	1	6010B	0723 18:00	0725 10:07	MG
Copper, Total	23	mg/kg	0.43	1	6010B	0723 18:00	0725 10:07	MG
Iron, Total	28000	mg/kg	22	1	6010B	0723 18:00	0725 11:45	MG
Lead, Total	3.1	mg/kg	2.2	1	6010B	0723 18:00	0725 10:07	MG
Magnesium, Total	10000	mg/kg	4.3	1	6010B	0723 18:00	0725 10:07	MG
Manganese, Total	330	mg/kg	0.43	1	6010B	0723 18:00	0725 10:07	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0720 17:00	0723 13:56	DM
Nickel, Total	34	mg/kg	1.1	1	6010B	0723 18:00	0725 10:07	MG
Potassium, Total	8500	mg/kg	1100	1	6010B	0723 18:00	0725 11:45	MG
Selenium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 10:07	MG
Silver, Total	ND	mg/kg	0.43	1	6010B	0723 18:00	0725 10:07	MG
Sodium, Total	ND	mg/kg	86.	1	6010B	0723 18:00	0725 10:07	MG
Thallium, Total	ND	mg/kg	2.2	1	6010B	0723 18:00	0725 10:07	MG
Vanadium, Total	62	mg/kg	0.43	1	6010B	0723 18:00	0725 10:07	MG
Zinc, Total	64	mg/kg	2.2	1	6010B	0723 18:00	0725 10:07	MG
Volatile Organics by EPA 8260B				1	8260B		0725 22:59	PD
Methylene chloride	ND	ug/kg	27.					
1,1-Dichloroethane	ND	ug/kg	4.1					
Chloroform	ND	ug/kg	4.1					
Carbon tetrachloride	ND	ug/kg	2.7					
1,2-Dichloropropane	ND	ug/kg	9.5					
Dibromochloromethane	ND	ug/kg	2.7					
1,1,2-Trichloroethane	ND	ug/kg	4.1					
Tetrachloroethene	ND	ug/kg	2.7					
Chlorobenzene	ND	ug/kg	2.7					
Trichlorofluoromethane	ND	ug/kg	14.					

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

Laboratory Sample Number: L0710362-15
TRC-SB-13 (15-17)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 22:59	PD
1,2-Dichloroethane	ND	ug/kg	2.7				
1,1,1-Trichloroethane	ND	ug/kg	2.7				
Bromodichloromethane	ND	ug/kg	2.7				
trans-1,3-Dichloropropene	ND	ug/kg	2.7				
cis-1,3-Dichloropropene	ND	ug/kg	2.7				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7				
Benzene	ND	ug/kg	2.7				
Toluene	ND	ug/kg	4.1				
Ethylbenzene	ND	ug/kg	2.7				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.4				
Vinyl chloride	ND	ug/kg	5.4				
Chloroethane	ND	ug/kg	5.4				
1,1-Dichloroethene	ND	ug/kg	2.7				
trans-1,2-Dichloroethene	ND	ug/kg	4.1				
Trichloroethene	ND	ug/kg	2.7				
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	5.4				
p/m-Xylene	ND	ug/kg	5.4				
o-Xylene	ND	ug/kg	5.4				
cis-1,2-Dichloroethene	ND	ug/kg	2.7				
Dibromomethane	ND	ug/kg	27.				
Styrene	ND	ug/kg	5.4				
Dichlorodifluoromethane	ND	ug/kg	27.				
Acetone	ND	ug/kg	27.				
Carbon disulfide	ND	ug/kg	27.				
2-Butanone	ND	ug/kg	27.				
Vinyl acetate	ND	ug/kg	27.				
4-Methyl-2-pentanone	ND	ug/kg	27.				
2-Hexanone	ND	ug/kg	27.				
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	2.7				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.7				
sec-Butylbenzene	ND	ug/kg	2.7				
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	2.7				
p-Isopropyltoluene	ND	ug/kg	2.7				

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

Laboratory Sample Number: L0710362-15
TRC-SB-13 (15-17)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 22:59	PD
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.7				
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.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	54.				
1,4-Diethylbenzene	ND	ug/kg	2.7				
4-Ethyltoluene	ND	ug/kg	2.7				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.7				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	111	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	97.0	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 23:35	PS
Acenaphthene	ND	ug/kg	360				
1,2,4-Trichlorobenzene	ND	ug/kg	360				
Hexachlorobenzene	ND	ug/kg	360				
Bis(2-chloroethyl)ether	ND	ug/kg	360				
2-Chloronaphthalene	ND	ug/kg	430				
1,2-Dichlorobenzene	ND	ug/kg	360				
1,3-Dichlorobenzene	ND	ug/kg	360				
1,4-Dichlorobenzene	ND	ug/kg	360				
3,3'-Dichlorobenzidine	ND	ug/kg	720				
2,4-Dinitrotoluene	ND	ug/kg	360				
2,6-Dinitrotoluene	ND	ug/kg	360				
Fluoranthene	ND	ug/kg	360				
4-Chlorophenyl phenyl ether	ND	ug/kg	360				
4-Bromophenyl phenyl ether	ND	ug/kg	360				
Bis(2-chloroisopropyl)ether	ND	ug/kg	360				
Bis(2-chloroethoxy)methane	ND	ug/kg	360				
Hexachlorobutadiene	ND	ug/kg	720				
Hexachlorocyclopentadiene	ND	ug/kg	720				
Hexachloroethane	ND	ug/kg	360				
Isophorone	ND	ug/kg	360				
Naphthalene	ND	ug/kg	360				
Nitrobenzene	ND	ug/kg	360				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100				
n-Nitrosodi-n-propylamine	ND	ug/kg	360				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	720				
Butyl benzyl phthalate	ND	ug/kg	360				
Di-n-butylphthalate	ND	ug/kg	360				
Di-n-octylphthalate	ND	ug/kg	360				
Diethyl phthalate	ND	ug/kg	360				
Dimethyl phthalate	ND	ug/kg	360				

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

Laboratory Sample Number: L0710362-15
TRC-SB-13 (15-17)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 23:35	PS
Benzo(a)anthracene	ND	ug/kg	360				
Benzo(a)pyrene	ND	ug/kg	360				
Benzo(b)fluoranthene	ND	ug/kg	360				
Benzo(k)fluoranthene	ND	ug/kg	360				
Chrysene	ND	ug/kg	360				
Acenaphthylene	ND	ug/kg	360				
Anthracene	ND	ug/kg	360				
Benzo(ghi)perylene	ND	ug/kg	360				
Fluorene	ND	ug/kg	360				
Phenanthrene	ND	ug/kg	360				
Dibenzo(a,h)anthracene	ND	ug/kg	360				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	360				
Pyrene	ND	ug/kg	360				
Biphenyl	ND	ug/kg	360				
4-Chloroaniline	ND	ug/kg	360				
2-Nitroaniline	ND	ug/kg	360				
3-Nitroaniline	ND	ug/kg	360				
4-Nitroaniline	ND	ug/kg	510				
Dibenzofuran	ND	ug/kg	360				
2-Methylnaphthalene	ND	ug/kg	360				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400				
Acetophenone	ND	ug/kg	1400				
2,4,6-Trichlorophenol	ND	ug/kg	360				
P-Chloro-M-Cresol	ND	ug/kg	360				
2-Chlorophenol	ND	ug/kg	430				
2,4-Dichlorophenol	ND	ug/kg	720				
2,4-Dimethylphenol	ND	ug/kg	360				
2-Nitrophenol	ND	ug/kg	1400				
4-Nitrophenol	ND	ug/kg	720				
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	510				
2-Methylphenol	ND	ug/kg	430				
3-Methylphenol/4-Methylphenol	ND	ug/kg	430				
2,4,5-Trichlorophenol	ND	ug/kg	360				
Benzoic Acid	ND	ug/kg	3600				
Benzyl Alcohol	ND	ug/kg	720				
Carbazole	ND	ug/kg	360				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	73.0	%	25-120				
Phenol-d6	92.0	%	10-120				
Nitrobenzene-d5	70.0	%	23-120				
2-Fluorobiphenyl	60.0	%	30-120				
2,4,6-Tribromophenol	71.0	%	19-120				
4-Terphenyl-d14	65.0	%	18-120				
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0725 01:23	SS

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

Laboratory Sample Number: L0710362-15
TRC-SB-13 (15-17)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0721 10:40	0725 01:23	SS
Aroclor 1016	ND	ug/kg	36.2				
Aroclor 1221	ND	ug/kg	36.2				
Aroclor 1232	ND	ug/kg	36.2				
Aroclor 1242	ND	ug/kg	36.2				
Aroclor 1248	ND	ug/kg	36.2				
Aroclor 1254	ND	ug/kg	36.2				
Aroclor 1260	ND	ug/kg	36.2				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	71.0	%	30-150				
Decachlorobiphenyl	76.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 02:09	JB
Delta-BHC	ND	ug/kg	18.1				
Alpha-BHC	ND	ug/kg	18.1				
Heptachlor	ND	ug/kg	18.1				
Aldrin	ND	ug/kg	18.1				
Heptachlor epoxide	ND	ug/kg	18.1				
Endrin	ND	ug/kg	18.1				
Endrin ketone	ND	ug/kg	18.1				
Dieldrin	ND	ug/kg	18.1				
4,4'-DDE	ND	ug/kg	18.1				
4,4'-DDD	ND	ug/kg	18.1				
4,4'-DDT	ND	ug/kg	18.1				
Endosulfan I	ND	ug/kg	18.1				
Endosulfan II	ND	ug/kg	18.1				
Endosulfan sulfate	ND	ug/kg	18.1				
Methoxychlor	ND	ug/kg	72.5				
trans-Chlordane	ND	ug/kg	18.1				
Chlordane	ND	ug/kg	72.5				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	58.0	%	30-150				
Decachlorobiphenyl	38.0	%	30-150				
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0725 02:09	JB
Lindane	ND	ug/kg	18.1				
Beta-BHC	ND	ug/kg	18.1				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710362-16
TRC-SB-3 DUP
Sample Matrix: SOIL

Condition of Sample: Satisfactory

Date Collected: 19-JUL-2007 15:30
Date Received : 19-JUL-2007
Date Reported : 27-JUL-2007

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID

******* THIS SAMPLE IS ON HOLD *******

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0710362

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-13,15 (L0710358-01, WG287980-1)					
Solids, Total	85	83	%	2	20
Total Metals for sample(s) 14 (L0710362-14, WG288020-1)					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	ND	ND	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	ND	ND	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01-13,15 (L0710362-15, WG288027-1)					
Aluminum, Total	16000	14000	mg/kg	13	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	1.4	1.0	mg/kg	33	35
Barium, Total	160	150	mg/kg	6	35
Beryllium, Total	2.0	1.6	mg/kg	22	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	2700	2400	mg/kg	12	35
Chromium, Total	73	60	mg/kg	20	35
Cobalt, Total	12	11	mg/kg	9	35
Copper, Total	23	18	mg/kg	24	35
Iron, Total	28000	25000	mg/kg	11	35
Lead, Total	3.1	2.7	mg/kg	14	35
Magnesium, Total	10000	9300	mg/kg	7	35
Manganese, Total	330	290	mg/kg	13	35
Nickel, Total	34	29	mg/kg	16	35
Potassium, Total	8500	7800	mg/kg	9	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	ND	ND	mg/kg	NC	35
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	62	56	mg/kg	10	35

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0710362

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 01-13,15 (L0710362-15, WG288027-1)					
Zinc, Total	64	58	mg/kg	10	35
Total Metals for sample(s) 14 (L0710084-02, WG287809-3)					
Mercury, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01-13,15 (L0710362-15, WG287831-3)					
Mercury, Total	ND	ND	mg/kg	NC	35

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0710362

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 14 (WG288020-4)		
Aluminum, Total	100	80-120
Antimony, Total	100	80-120
Arsenic, Total	106	80-120
Barium, Total	94	80-120
Beryllium, Total	98	80-120
Cadmium, Total	105	80-120
Calcium, Total	88	80-120
Chromium, Total	95	80-120
Cobalt, Total	97	80-120
Copper, Total	90	80-120
Iron, Total	93	80-120
Lead, Total	100	80-120
Magnesium, Total	93	80-120
Manganese, Total	93	80-120
Nickel, Total	94	80-120
Potassium, Total	94	80-120
Selenium, Total	111	80-120
Silver, Total	96	80-120
Sodium, Total	100	80-120
Thallium, Total	98	80-120
Vanadium, Total	95	80-120
Zinc, Total	95	80-120
Total Metals LCS for sample(s) 01-13,15 (WG288027-4)		
Aluminum, Total	72	75-125
Antimony, Total	218	75-125
Arsenic, Total	96	75-125
Barium, Total	92	75-125
Beryllium, Total	99	75-125
Cadmium, Total	94	75-125
Calcium, Total	88	75-125
Chromium, Total	93	75-125
Cobalt, Total	96	75-125
Copper, Total	91	75-125
Iron, Total	106	75-125
Lead, Total	94	75-125
Magnesium, Total	89	75-125
Manganese, Total	107	75-125
Nickel, Total	90	75-125
Potassium, Total	84	75-125
Selenium, Total	106	75-125
Silver, Total	97	75-125
Sodium, Total	222	75-125
Thallium, Total	98	75-125
Vanadium, Total	95	75-125
Zinc, Total	93	75-125

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0710362

Continued

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 14 (WG287809-1)		
Mercury, Total	103	85-115
Total Metals LCS for sample(s) 01-13,15 (WG287831-1)		
Mercury, Total	105	85-115
TCLP Semi-Volatile Organics LCS for sample(s) 08 (WG288169-2)		
Hexachlorobenzene	76	40-140
2,4-Dinitrotoluene	85	24-96
Hexachlorobutadiene	52	40-140
Hexachloroethane	51	40-140
Nitrobenzene	80	40-140
2,4,6-Trichlorophenol	75	30-130
Pentachlorophenol	75	9-103
2-Methylphenol	68	30-130
3-Methylphenol/4-Methylphenol	71	30-130
2,4,5-Trichlorophenol	78	30-130
Pyridine	42	
Surrogate(s)		
2-Fluorophenol	72	21-120
Phenol-d6	88	10-120
Nitrobenzene-d5	74	23-120
2-Fluorobiphenyl	67	43-120
2,4,6-Tribromophenol	87	10-120
4-Terphenyl-d14	85	33-120
Volatile Organics by EPA 8260B LCS for sample(s) 01-07,09-13,15 (WG288438-3)		
Chlorobenzene	99	60-133
Benzene	101	66-142
Toluene	99	59-139
1,1-Dichloroethene	107	59-172
Trichloroethene	101	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130
Dibromofluoromethane	102	70-130
Volatile Organics by EPA 8260B LCS for sample(s) 14 (WG288445-1)		
Chlorobenzene	99	75-130
Benzene	101	76-127
Toluene	99	76-125
1,1-Dichloroethene	107	61-145
Trichloroethene	101	71-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0710362

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by EPA 8260B LCS for sample(s) 14 (WG288445-1)		
Surrogate(s)		
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130
Dibromofluoromethane	102	70-130
Volatile Organics by EPA 8260B LCS for sample(s) 08 (WG288438-5)		
Chlorobenzene	102	60-133
Benzene	100	66-142
Toluene	100	59-139
1,1-Dichloroethene	104	59-172
Trichloroethene	100	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130
Dibromofluoromethane	99	70-130
Semivolatile Organics by EPA 8270C LCS for sample(s) 01-13,15 (WG287908-2)		
Acenaphthene	53	31-137
1,2,4-Trichlorobenzene	44	38-107
2-Chloronaphthalene	52	40-140
1,2-Dichlorobenzene	45	40-140
1,4-Dichlorobenzene	44	28-104
2,4-Dinitrotoluene	68	28-89
2,6-Dinitrotoluene	66	40-140
Fluoranthene	73	40-140
4-Chlorophenyl phenyl ether	56	40-140
n-Nitrosodi-n-propylamine	50	41-126
Butyl benzyl phthalate	72	40-140
Anthracene	116	40-140
Pyrene	72	35-142
P-Chloro-M-Cresol	60	26-103
2-Chlorophenol	46	25-102
2-Nitrophenol	48	30-130
4-Nitrophenol	69	11-114
2,4-Dinitrophenol	28	30-130
Pentachlorophenol	60	17-109
Phenol	46	26-90
Surrogate(s)		
2-Fluorophenol	52	25-120
Phenol-d6	62	10-120
Nitrobenzene-d5	49	23-120
2-Fluorobiphenyl	45	30-120
2,4,6-Tribromophenol	63	19-120

Laboratory Job Number: L0710362

Continued

Parameter	% Recovery	QC Criteria
Semivolatile Organics by EPA 8270C LCS for sample(s) 01-13,15 (WG287908-2)		
4-Terphenyl-d14	62	18-120
Polychlorinated Biphenyls by EPA 8082 LCS for sample(s) 02-07,09-13,15 (WG287910-2)		
Aroclor 1016	68	40-140
Aroclor 1260	81	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	71	30-150
Decachlorobiphenyl	73	30-150
Polychlorinated Biphenyls by EPA 8082 LCS for sample(s) 01,08 (WG288471-2)		
Aroclor 1016	67	40-140
Aroclor 1260	73	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	67	30-150
Decachlorobiphenyl	70	30-150
Organochlorine Pesticides by EPA 8081A LCS for sample(s) 01,03-13,15 (WG287909-2)		
Delta-BHC	62	30-150
Lindane	64	30-150
Alpha-BHC	67	30-150
Beta-BHC	66	30-150
Heptachlor	65	30-150
Aldrin	60	30-150
Heptachlor epoxide	67	30-150
Endrin	102	30-150
Endrin ketone	71	30-150
Dieldrin	78	30-150
4,4'-DDE	73	30-150
4,4'-DDD	83	30-150
4,4'-DDT	79	30-150
Endosulfan I	71	30-150
Endosulfan II	77	30-150
Endosulfan sulfate	75	30-150
Methoxychlor	101	30-150
trans-Chlordane	71	30-150
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	55	30-150
Decachlorobiphenyl	48	30-150
Organochlorine Pesticides by EPA 8081A LCS for sample(s) 02 (WG288468-2)		
Delta-BHC	60	30-150
Lindane	62	30-150
Alpha-BHC	72	30-150
Beta-BHC	63	30-150
Heptachlor	65	30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0710362

Continued

Parameter	% Recovery	QC Criteria
Organochlorine Pesticides by EPA 8081A LCS for sample(s) 02 (WG288468-2)		
Aldrin	63	30-150
Heptachlor epoxide	65	30-150
Endrin	100	30-150
Endrin ketone	65	30-150
Dieldrin	77	30-150
4,4'-DDE	68	30-150
4,4'-DDD	68	30-150
4,4'-DDT	70	30-150
Endosulfan I	68	30-150
Endosulfan II	72	30-150
Endosulfan sulfate	74	30-150
Methoxychlor	98	30-150
trans-Chlordane	61	30-150
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	63	30-150
Decachlorobiphenyl	43	30-150
Total Metals SPIKE for sample(s) 14 (L0710362-14, WG288020-2)		
Aluminum, Total	100	75-125
Antimony, Total	99	75-125
Arsenic, Total	105	75-125
Barium, Total	95	75-125
Beryllium, Total	98	75-125
Cadmium, Total	106	75-125
Calcium, Total	89	75-125
Chromium, Total	95	75-125
Cobalt, Total	97	75-125
Copper, Total	90	75-125
Iron, Total	94	75-125
Lead, Total	101	75-125
Magnesium, Total	93	75-125
Manganese, Total	94	75-125
Nickel, Total	94	75-125
Potassium, Total	94	75-125
Selenium, Total	109	75-125
Silver, Total	96	75-125
Sodium, Total	100	75-125
Thallium, Total	98	75-125
Vanadium, Total	96	75-125
Zinc, Total	94	75-125
Total Metals SPIKE for sample(s) 01-13,15 (L0710362-15, WG288027-2)		
Aluminum, Total	0	75-125
Antimony, Total	69	75-125
Arsenic, Total	79	75-125
Barium, Total	69	75-125
Beryllium, Total	69	75-125

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0710362

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01-13,15 (L0710362-15, WG288027-2)		
Cadmium, Total	100	75-125
Calcium, Total	69	75-125
Chromium, Total	0	75-125
Cobalt, Total	79	75-125
Copper, Total	65	75-125
Iron, Total	0	75-125
Lead, Total	86	75-125
Magnesium, Total	0	75-125
Manganese, Total	0	75-125
Nickel, Total	65	75-125
Potassium, Total	46	75-125
Selenium, Total	104	75-125
Silver, Total	92	75-125
Sodium, Total	0	75-125
Thallium, Total	94	75-125
Vanadium, Total	69	75-125
Zinc, Total	60	75-125
Total Metals SPIKE for sample(s) 14 (L0710084-02, WG287809-2)		
Mercury, Total	116	70-130
Total Metals SPIKE for sample(s) 01-13,15 (L0710362-15, WG287831-2)		
Mercury, Total	132	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0710362

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Semivolatile Organics by EPA 8270C for sample(s) 14 (WG287853-2, WG287853-3)					
Acenaphthene	60	69	14	30	46-118
1,2,4-Trichlorobenzene	43	53	21	30	39-98
2-Chloronaphthalene	54	63	15	30	40-140
1,2-Dichlorobenzene	47	52	10	30	40-140
1,4-Dichlorobenzene	43	50	15	30	36-97
2,4-Dinitrotoluene	81	84	4	30	24-96
2,6-Dinitrotoluene	86	86	0	30	40-140
Fluoranthene	90	90	0	30	40-140
4-Chlorophenyl phenyl ether	63	74	16	30	40-140
n-Nitrosodi-n-propylamine	59	53	11	30	41-116
Butyl benzyl phthalate	90	89	1	30	40-140
Anthracene	73	74	1	30	40-140
Pyrene	88	87	1	30	26-127
P-Chloro-M-Cresol	70	67	4	30	23-97
2-Chlorophenol	59	54	9	30	27-123
2-Nitrophenol	67	62	8	30	30-130
4-Nitrophenol	42	44	5	30	10-80
2,4-Dinitrophenol	78	80	3	30	30-130
Pentachlorophenol	90	88	2	30	9-103
Phenol	26	23	12	30	12-110
Surrogate(s)					
2-Fluorophenol	39	37	5		21-120
Phenol-d6	32	31	3		10-120
Nitrobenzene-d5	64	58	10		23-120
2-Fluorobiphenyl	67	64	5		43-120
2,4,6-Tribromophenol	95	92	3		10-120
4-Terphenyl-d14	83	82	1		33-120
Polychlorinated Biphenyls by EPA 8082 for sample(s) 14 (WG287911-2, WG287911-3)					
Aroclor 1016	73	65	11	30	40-140
Aroclor 1260	80	93	16	30	40-140
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	75	60	22		30-150
Decachlorobiphenyl	48	55	14		30-150
Organochlorine Pesticides by EPA 8081A for sample(s) 14 (WG287914-2, WG287914-3)					
Delta-BHC	108	99	8		30-150
Lindane	99	86	13		30-150
Alpha-BHC	95	83	13		30-150
Beta-BHC	96	88	9		30-150
Heptachlor	75	67	12		30-150
Aldrin	83	73	12		30-150
Heptachlor epoxide	95	87	9		30-150
Endrin	115	108	6		30-150
Endrin ketone	91	88	3		30-150
4,4'-DDE	102	95	7		30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0710362

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Organochlorine Pesticides by EPA 8081A for sample(s) 14 (WG287914-2, WG287914-3)					
4,4'-DDD	101	97	4		30-150
4,4'-DDT	100	96	4		30-150
Endosulfan I	99	92	8		30-150
Endosulfan II	108	105	3		30-150
Endosulfan sulfate	106	103	3		30-150
Methoxychlor	95	93	3		30-150
trans-Chlordane	99	92	8		30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	69	65	6		30-150
2,4,5,6-Tetrachloro-m-xylene	61	58	5		30-150
Decachlorobiphenyl	42	39	7		30-150
Decachlorobiphenyl	48	46	4		30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0710362

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
TCLP Semi-Volatile Organics for sample(s) 08 (L0710362-08, WG288169-4)					
Hexachlorobenzene	74	74	0	30	40-140
2,4-Dinitrotoluene	80	84	5	30	24-96
Hexachlorobutadiene	52	58	11	30	40-140
Hexachloroethane	50	56	11	30	40-140
Nitrobenzene	76	82	8	30	40-140
2,4,6-Trichlorophenol	70	80	13	30	30-130
Pentachlorophenol	80	78	3	30	9-103
2-Methylphenol	64	70	9	30	30-130
3-Methylphenol/4-Methylphenol	68	74	8	30	30-130
2,4,5-Trichlorophenol	76	82	8	30	30-130
Pyridine	3	30	161	30	
Surrogate(s)					
2-Fluorophenol	69	71	3		21-120
Phenol-d6	83	88	6		10-120
Nitrobenzene-d5	70	75	7		23-120
2-Fluorobiphenyl	61	69	12		43-120
2,4,6-Tribromophenol	85	88	3		10-120
4-Terphenyl-d14	83	84	1		33-120
Volatile Organics by EPA 8260B for sample(s) 01-13,15 (L0710362-01, WG288438-2)					
Chlorobenzene	41	47	14	30	60-133
Benzene	67	67	0	30	66-142
Toluene	52	55	6	30	59-139
1,1-Dichloroethene	73	76	4	30	59-172
Trichloroethene	54	59	9	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	111	105	6		70-130
Toluene-d8	105	103	2		70-130
4-Bromofluorobenzene	114	107	6		70-130
Dibromofluoromethane	103	103	0		70-130
Semivolatile Organics by EPA 8270C for sample(s) 01-13,15 (L0710362-02, WG287908-4)					
Acenaphthene	59	61	3	50	31-137
1,2,4-Trichlorobenzene	46	46	0	50	38-107
2-Chloronaphthalene	58	58	0	50	40-140
1,2-Dichlorobenzene	49	49	0	50	40-140
1,4-Dichlorobenzene	45	46	2	50	28-104
2,4-Dinitrotoluene	68	72	6	50	28-89
2,6-Dinitrotoluene	67	71	6	50	40-140
Fluoranthene	71	77	8	50	40-140
4-Chlorophenyl phenyl ether	61	65	6	50	40-140
n-Nitrosodi-n-propylamine	54	53	2	50	41-126
Butyl benzyl phthalate	70	75	7	50	40-140
Anthracene	110	120	9	50	40-140
Pyrene	70	77	10	50	35-142
P-Chloro-M-Cresol	65	71	9	50	26-103

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0710362

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Semivolatile Organics by EPA 8270C for sample(s) 01-13,15 (L0710362-02, WG287908-4)					
2-Chlorophenol	49	50	2	50	25-102
2-Nitrophenol	53	53	0	50	30-130
4-Nitrophenol	71	71	0	50	11-114
2,4-Dinitrophenol	44	48	9	50	30-130
Pentachlorophenol	59	64	8	50	17-109
Phenol	49	50	2	50	26-90
Surrogate(s)					
2-Fluorophenol	55	56	2		25-120
Phenol-d6	68	68	0		10-120
Nitrobenzene-d5	52	54	4		23-120
2-Fluorobiphenyl	52	50	4		30-120
2,4,6-Tribromophenol	65	69	6		19-120
4-Terphenyl-d14	63	66	5		18-120
Polychlorinated Biphenyls by EPA 8082 for sample(s) 02-07,09-13,15 (L0710362-02, WG287910-4)					
Aroclor 1016	74	68	8	50	40-140
Aroclor 1260	78	70	11	50	40-140
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	91	75	19		30-150
Decachlorobiphenyl	82	65	23		30-150
Polychlorinated Biphenyls by EPA 8082 for sample(s) 01,08 (L0710362-01, WG288471-4)					
Aroclor 1016	96	94	2	50	40-140
Aroclor 1260	87	88	0	50	40-140
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	91	96	5		30-150
Decachlorobiphenyl	86	87	1		30-150
Organochlorine Pesticides by EPA 8081A for sample(s) 01,03-13,15 (L0710362-05, WG287909-4)					
Delta-BHC	38	30	26	50	30-150
Lindane	56	62	11	50	30-150
Alpha-BHC	63	66	5	50	30-150
Beta-BHC	60	71	17	50	30-150
Heptachlor	60	71	16	50	30-150
Aldrin	57	66	14	50	30-150
Heptachlor epoxide	62	72	15	50	30-150
Endrin	95	104	9	50	30-150
Endrin ketone	61	71	15	50	30-150
Dieldrin	72	81	11	50	30-150
4,4'-DDE	64	72	12	50	30-150
4,4'-DDD	55	85	43	50	30-150
4,4'-DDT	65	69	6	50	30-150
Endosulfan I	63	71	12	50	30-150
Endosulfan II	59	58	1	50	30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0710362

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Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Organochlorine Pesticides by EPA 8081A for sample(s) 01,03-13,15 (L0710362-05, WG287909-4)					
Endosulfan sulfate	72	79	9	50	30-150
Methoxychlor	90	116	25	50	30-150
trans-Chlordane	44	36	21	50	30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	61	68	11		30-150
Decachlorobiphenyl	38	47	21		30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 14 (WG288020-3)								
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0723 16:20	0725 12:30	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0723 16:20	0725 12:30	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0723 16:20	0725 12:30	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:30	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0723 16:20	0725 12:30	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0723 16:20	0725 12:30	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0723 16:20	0725 12:30	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0723 16:20	0725 12:30	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0723 16:20	0725 12:30	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:30	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0723 16:20	0725 12:30	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:30	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0723 16:20	0725 12:30	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:30	AI
Nickel, Total	ND	mg/l	0.025	1	6010B	0723 16:20	0725 12:30	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0723 16:20	0725 12:30	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:30	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0723 16:20	0725 12:30	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0723 16:20	0725 12:30	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0723 16:20	0725 12:30	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0723 16:20	0725 12:30	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0723 16:20	0725 12:30	AI
Blank Analysis for sample(s) 01-13,15 (WG288027-3)								
Total Metals								
Aluminum, Total	ND	mg/kg	4.0	1	6010B	0723 18:00	0725 09:03	MG
Antimony, Total	ND	mg/kg	2.0	1	6010B	0723 18:00	0725 09:03	MG
Arsenic, Total	ND	mg/kg	0.40	1	6010B	0723 18:00	0725 09:03	MG
Barium, Total	ND	mg/kg	0.40	1	6010B	0723 18:00	0725 09:03	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B	0723 18:00	0725 09:03	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0723 18:00	0725 09:03	MG
Calcium, Total	6.5	mg/kg	4.0	1	6010B	0723 18:00	0725 09:03	MG
Chromium, Total	ND	mg/kg	0.40	1	6010B	0723 18:00	0725 09:03	MG
Cobalt, Total	ND	mg/kg	0.80	1	6010B	0723 18:00	0725 09:03	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	0723 18:00	0725 09:03	MG
Iron, Total	ND	mg/kg	2.0	1	6010B	0723 18:00	0725 09:03	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	0723 18:00	0725 09:03	MG
Magnesium, Total	ND	mg/kg	4.0	1	6010B	0723 18:00	0725 09:03	MG
Manganese, Total	ND	mg/kg	0.40	1	6010B	0723 18:00	0725 09:03	MG
Nickel, Total	ND	mg/kg	1.0	1	6010B	0723 18:00	0725 09:03	MG
Potassium, Total	ND	mg/kg	100	1	6010B	0723 18:00	0725 09:03	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0723 18:00	0725 09:03	MG
Silver, Total	ND	mg/kg	0.40	1	6010B	0723 18:00	0725 09:03	MG
Sodium, Total	ND	mg/kg	80	1	6010B	0723 18:00	0725 09:03	MG

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-13,15 (WG288027-3)								
Total Metals								
Thallium, Total	ND	mg/kg	2.0	1	6010B	0723 18:00	0725 09:03	MG
Vanadium, Total	ND	mg/kg	0.40	1	6010B	0723 18:00	0725 09:03	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B	0723 18:00	0725 09:03	MG
Blank Analysis for sample(s) 14 (WG287809-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0002	1	7470A	0720 15:00	0723 11:17	DM
Blank Analysis for sample(s) 01-13,15 (WG287831-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0720 17:00	0723 13:25	DM
Blank Analysis for sample(s) 08 (WG288169-1)								
TCLP Semi-Volatile Organics				1	8270C	0724 17:30	0725 16:36	PS
TCLP Extraction				1	1311	0723 17:00		
Hexachlorobenzene	ND	ug/l	25.					
2,4-Dinitrotoluene	ND	ug/l	30.					
Hexachlorobutadiene	ND	ug/l	50.					
Hexachloroethane	ND	ug/l	25.					
Nitrobenzene	ND	ug/l	25.					
2,4,6-Trichlorophenol	ND	ug/l	25.					
Pentachlorophenol	ND	ug/l	50.					
2-Methylphenol	ND	ug/l	30.					
3-Methylphenol/4-Methylphenol	ND	ug/l	30.					
2,4,5-Trichlorophenol	ND	ug/l	25.					
Pyridine	ND	ug/l	250					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	81.0	%	21-120					
Phenol-d6	94.0	%	10-120					
Nitrobenzene-d5	82.0	%	23-120					
2-Fluorobiphenyl	63.0	%	43-120					
2,4,6-Tribromophenol	80.0	%	10-120					
4-Terphenyl-d14	79.0	%	33-120					
Blank Analysis for sample(s) 01-07,09-13,15 (WG288438-4)								
Volatile Organics by EPA 8260B				1	8260B		0725 15:00	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					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-07,09-13,15 (WG288438-4)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 15:00	PD
1,1,2-Trichloroethane	ND	ug/kg	3.8				
Tetrachloroethene	ND	ug/kg	2.5				
Chlorobenzene	ND	ug/kg	2.5				
Trichlorofluoromethane	ND	ug/kg	12.				
1,2-Dichloroethane	ND	ug/kg	2.5				
1,1,1-Trichloroethane	ND	ug/kg	2.5				
Bromodichloromethane	ND	ug/kg	2.5				
trans-1,3-Dichloropropene	ND	ug/kg	2.5				
cis-1,3-Dichloropropene	ND	ug/kg	2.5				
1,1-Dichloropropene	ND	ug/kg	12.				
Bromoform	ND	ug/kg	10.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5				
Benzene	ND	ug/kg	2.5				
Toluene	ND	ug/kg	3.8				
Ethylbenzene	ND	ug/kg	2.5				
Chloromethane	ND	ug/kg	12.				
Bromomethane	ND	ug/kg	5.0				
Vinyl chloride	ND	ug/kg	5.0				
Chloroethane	ND	ug/kg	5.0				
1,1-Dichloroethene	ND	ug/kg	2.5				
trans-1,2-Dichloroethene	ND	ug/kg	3.8				
Trichloroethene	ND	ug/kg	2.5				
1,2-Dichlorobenzene	ND	ug/kg	12.				
1,3-Dichlorobenzene	ND	ug/kg	12.				
1,4-Dichlorobenzene	ND	ug/kg	12.				
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.				
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-07,09-13,15 (WG288438-4)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 15:00	PD
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.				
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.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	50.				
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	102	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	104	%	70-130				
Dibromofluoromethane	101	%	70-130				
Blank Analysis for sample(s) 08 (WG288438-6)							
Volatile Organics by EPA 8260B				1 8260B		0726 09:37	PD
Methylene chloride	ND	ug/kg	25.				
1,1-Dichloroethane	ND	ug/kg	3.8				
Chloroform	ND	ug/kg	3.8				
Carbon tetrachloride	ND	ug/kg	2.5				
1,2-Dichloropropane	ND	ug/kg	8.8				
Dibromochloromethane	ND	ug/kg	2.5				
1,1,2-Trichloroethane	ND	ug/kg	3.8				
Tetrachloroethene	ND	ug/kg	2.5				
Chlorobenzene	ND	ug/kg	2.5				
Trichlorofluoromethane	ND	ug/kg	12.				
1,2-Dichloroethane	ND	ug/kg	2.5				
1,1,1-Trichloroethane	ND	ug/kg	2.5				
Bromodichloromethane	ND	ug/kg	2.5				
trans-1,3-Dichloropropene	ND	ug/kg	2.5				
cis-1,3-Dichloropropene	ND	ug/kg	2.5				
1,1-Dichloropropene	ND	ug/kg	12.				
Bromoform	ND	ug/kg	10.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5				
Benzene	ND	ug/kg	2.5				

ALPHA ANALYTICAL LABORATORIES
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 08 (WG288438-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0726 09:37	PD
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.				
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.				
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.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 08 (WG288438-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0726 09:37	PD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/kg	50.				
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	104	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	103	%	70-130				
Dibromofluoromethane	99.0	%	70-130				
Blank Analysis for sample(s) 14 (WG288445-2)							
Volatile Organics by EPA 8260B				1 8260B		0725 15:00	PD
Methylene chloride	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
Tetrachloroethene	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	5.0				
Bromoform	ND	ug/l	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.5				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	5.0				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
Methyl tert butyl ether	ND	ug/l	2.0				
p/m-Xylene	ND	ug/l	2.0				

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 14 (WG288445-2)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0725 15:00 PD	
o-Xylene	ND	ug/l	2.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,2,3-Trichloropropane	ND	ug/l	10.				
Styrene	ND	ug/l	2.0				
Dichlorodifluoromethane	ND	ug/l	10.				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	10.				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	10.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Bromochloromethane	ND	ug/l	5.0				
2,2-Dichloropropane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	4.0				
1,3-Dichloropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0				
Bromobenzene	ND	ug/l	5.0				
n-Butylbenzene	ND	ug/l	1.0				
sec-Butylbenzene	ND	ug/l	1.0				
tert-Butylbenzene	ND	ug/l	5.0				
o-Chlorotoluene	ND	ug/l	5.0				
p-Chlorotoluene	ND	ug/l	5.0				
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	1.2				
Isopropylbenzene	ND	ug/l	1.0				
p-Isopropyltoluene	ND	ug/l	1.0				
Naphthalene	ND	ug/l	5.0				
n-Propylbenzene	ND	ug/l	1.0				
1,2,3-Trichlorobenzene	ND	ug/l	5.0				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
1,3,5-Trimethylbenzene	ND	ug/l	5.0				
1,2,4-Trimethylbenzene	ND	ug/l	5.0				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/l	20.				
1,4-Diethylbenzene	ND	ug/l	1.0				
4-Ethyltoluene	ND	ug/l	1.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	1.0				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	102	%	70-130
Toluene-d8	100	%	70-130
4-Bromofluorobenzene	104	%	70-130
Dibromofluoromethane	101	%	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710362

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 14 (WG287853-1)							
Semivolatile Organics by EPA 8270C				1 8270C	0720 18:00	0724 15:19	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 LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710362

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 14 (WG287853-1)							
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0720 18:00	0724 15:19	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	39.0	%	21-120				
Phenol-d6	32.0	%	10-120				
Nitrobenzene-d5	63.0	%	23-120				
2-Fluorobiphenyl	57.0	%	43-120				
2,4,6-Tribromophenol	81.0	%	10-120				
4-Terphenyl-d14	76.0	%	33-120				
Blank Analysis for sample(s) 01-13,15 (WG287908-1)							
Semivolatile Organics by EPA 8270C				1 8270C	0721 10:30	0723 16:45	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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710362

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-13,15 (WG287908-1)							
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 16:45	PS
4-Chlorophenyl phenyl ether	ND	ug/kg	330				
4-Bromophenyl phenyl ether	ND	ug/kg	330				
Bis(2-chloroisopropyl)ether	ND	ug/kg	330				
Bis(2-chloroethoxy)methane	ND	ug/kg	330				
Hexachlorobutadiene	ND	ug/kg	670				
Hexachlorocyclopentadiene	ND	ug/kg	670				
Hexachloroethane	ND	ug/kg	330				
Isophorone	ND	ug/kg	330				
Naphthalene	ND	ug/kg	330				
Nitrobenzene	ND	ug/kg	330				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1000				
n-Nitrosodi-n-propylamine	ND	ug/kg	330				
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	670				
Butyl benzyl phthalate	ND	ug/kg	330				
Di-n-butylphthalate	ND	ug/kg	330				
Di-n-octylphthalate	ND	ug/kg	330				
Diethyl phthalate	ND	ug/kg	330				
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710362

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-13,15 (WG287908-1)							
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0721 10:30	0723 16:45	PS
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	66.0	%	25-120				
Phenol-d6	83.0	%	10-120				
Nitrobenzene-d5	62.0	%	23-120				
2-Fluorobiphenyl	50.0	%	30-120				
2,4,6-Tribromophenol	58.0	%	19-120				
4-Terphenyl-d14	71.0	%	18-120				
Blank Analysis for sample(s) 02-07,09-13,15 (WG287910-1)							
Polychlorinated Biphenyls by EPA 8082				1 8082	0721 10:40	0724 16:50	SS
Aroclor 1016	ND	ug/kg	33.3				
Aroclor 1221	ND	ug/kg	33.3				
Aroclor 1232	ND	ug/kg	33.3				
Aroclor 1242	ND	ug/kg	33.3				
Aroclor 1248	ND	ug/kg	33.3				
Aroclor 1254	ND	ug/kg	33.3				
Aroclor 1260	ND	ug/kg	33.3				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	67.0	%	30-150				
Decachlorobiphenyl	68.0	%	30-150				
Blank Analysis for sample(s) 14 (WG287911-1)							
Polychlorinated Biphenyls by EPA 8082				1 8082	0720 18:30	0725 16:34	SS
Aroclor 1016	ND	ug/l	0.250				
Aroclor 1221	ND	ug/l	0.250				
Aroclor 1232	ND	ug/l	0.250				
Aroclor 1242	ND	ug/l	0.250				
Aroclor 1248	ND	ug/l	0.250				
Aroclor 1254	ND	ug/l	0.250				
Aroclor 1260	ND	ug/l	0.250				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710362

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 14 (WG287911-1)							
Polychlorinated Biphenyls by EPA 8082 cont'd				1 8082	0720 18:30	0725 16:34	SS
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	74.0	%	30-150				
Decachlorobiphenyl	54.0	%	30-150				
Blank Analysis for sample(s) 01,08 (WG288471-1)							
Polychlorinated Biphenyls by EPA 8082				1 8082	0725 12:30	0726 11:49	SS
Aroclor 1016	ND	ug/kg	33.3				
Aroclor 1221	ND	ug/kg	33.3				
Aroclor 1232	ND	ug/kg	33.3				
Aroclor 1242	ND	ug/kg	33.3				
Aroclor 1248	ND	ug/kg	33.3				
Aroclor 1254	ND	ug/kg	33.3				
Aroclor 1260	ND	ug/kg	33.3				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	72.0	%	30-150				
Decachlorobiphenyl	72.0	%	30-150				
Blank Analysis for sample(s) 01,03-13,15 (WG287909-1)							
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 19:12	JB
Delta-BHC	ND	ug/kg	3.33				
Alpha-BHC	ND	ug/kg	3.33				
Heptachlor	ND	ug/kg	3.33				
Aldrin	ND	ug/kg	3.33				
Heptachlor epoxide	ND	ug/kg	3.33				
Endrin	ND	ug/kg	3.33				
Endrin ketone	ND	ug/kg	3.33				
Dieldrin	ND	ug/kg	3.33				
4,4'-DDE	ND	ug/kg	3.33				
4,4'-DDD	ND	ug/kg	3.33				
4,4'-DDT	ND	ug/kg	3.33				
Endosulfan I	ND	ug/kg	3.33				
Endosulfan II	ND	ug/kg	3.33				
Endosulfan sulfate	ND	ug/kg	3.33				
Methoxychlor	ND	ug/kg	13.3				
trans-Chlordane	ND	ug/kg	3.33				
Chlordane	ND	ug/kg	13.3				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	64.0	%	30-150				
Decachlorobiphenyl	54.0	%	30-150				
Blank Analysis for sample(s) 01,03-13,15 (WG287909-1)							
Organochlorine Pesticides by EPA 8081A				1 8081A	0721 12:45	0724 19:12	JB
Lindane	ND	ug/kg	3.33				
Beta-BHC	ND	ug/kg	3.33				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710362

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 14 (WG287914-1)							
Organochlorine Pesticides by EPA 8081A				1 8081A	0720 18:30	0725 23:48	JB
Dieldrin	ND	ug/l	0.040				
4,4'-DDE	ND	ug/l	0.040				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	65.0	%	30-150				
Decachlorobiphenyl	42.0	%	30-150				
Blank Analysis for sample(s) 14 (WG287914-1)							
Organochlorine Pesticides by EPA 8081A				1 8081A	0720 18:30	0725 23:48	JB
Delta-BHC	ND	ug/l	0.020				
Lindane	ND	ug/l	0.020				
Alpha-BHC	ND	ug/l	0.020				
Beta-BHC	ND	ug/l	0.020				
Heptachlor	ND	ug/l	0.020				
Aldrin	ND	ug/l	0.020				
Heptachlor epoxide	ND	ug/l	0.020				
Endrin	ND	ug/l	0.040				
Endrin ketone	ND	ug/l	0.040				
4,4'-DDD	ND	ug/l	0.040				
4,4'-DDT	ND	ug/l	0.040				
Endosulfan I	ND	ug/l	0.020				
Endosulfan II	ND	ug/l	0.040				
Endosulfan sulfate	ND	ug/l	0.040				
Methoxychlor	ND	ug/l	0.200				
trans-Chlordane	ND	ug/l	0.020				
Chlordane	ND	ug/l	0.200				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	57.0	%	30-150				
Decachlorobiphenyl	48.0	%	30-150				
Blank Analysis for sample(s) 02 (WG288468-1)							
Organochlorine Pesticides by EPA 8081A				1 8081A	0725 14:15	0726 10:53	JB
Lindane	ND	ug/kg	3.33				
Beta-BHC	ND	ug/kg	3.33				
Blank Analysis for sample(s) 02 (WG288468-1)							
Organochlorine Pesticides by EPA 8081A				1 8081A	0725 14:15	0726 10:53	JB
Delta-BHC	ND	ug/kg	3.33				
Alpha-BHC	ND	ug/kg	3.33				
Heptachlor	ND	ug/kg	3.33				
Aldrin	ND	ug/kg	3.33				
Heptachlor epoxide	ND	ug/kg	3.33				
Endrin	ND	ug/kg	3.33				
Endrin ketone	ND	ug/kg	3.33				
Dieldrin	ND	ug/kg	3.33				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710362

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02 (WG288468-1)							
Organochlorine Pesticides by EPA 8081A cont'd				1 8081A	0725 14:15	0726 10:53	JB
4,4'-DDE	ND	ug/kg	3.33				
4,4'-DDD	ND	ug/kg	3.33				
4,4'-DDT	ND	ug/kg	3.33				
Endosulfan I	ND	ug/kg	3.33				
Endosulfan II	ND	ug/kg	3.33				
Endosulfan sulfate	ND	ug/kg	3.33				
Methoxychlor	ND	ug/kg	13.3				
trans-Chlordane	ND	ug/kg	3.33				
Chlordane	ND	ug/kg	13.3				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	61.0	%	30-150				
Decachlorobiphenyl	40.0	%	30-150				

REFERENCES

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

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

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.

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 2

Date Rec'd in Lab: 7/19

ALPHA Job #: L0710362

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX:508-898-9193
RAYNHAM,MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC
Address: 21 Griffin Rd Windsor CT
Phone: 860 298-9692
Fax:
Email: JPerrotto@TRCsolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: King's Bridge Armory
Project Location: Bronx, NY
Project #:
Project Manager: Jim Perrotto
ALPHA Quote #:

Turn-Around Time

☒ Standard 7/26 ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5 DAY 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	TCL VOC	TCL SVOC	TAL metals	PCB	Pesticides	5 TAGM's TCLP SVOC	Sample Specific Comments
10362-1	TRC-SB-1 (13-15)	7/18/07	1430	Soil	Sam	X	X	X	X	X		
2	TRC-SB-2 (13-15)		1500			X	X	X	X	X		
3	TRC-SB-3 (12-14)		1530			X	X	X	X	X		
4	TRC-SB-4 (7-9)		1330			X	X	X	X	X		
5	TRC-SB-5 (23-25)		1220			X	X	X	X	X		
6	TRC-SB-6 (15-17)		1245			X	X	X	X	X		
7	TRC-SB-7 (18-20)		1145			X	X	X	X	X		
8	TRC-SB-8 (18-20)		1100			X	X	X	X	X	X	
9	TRC-SB-8 (23-25)		1110			X	X	X	X	X		
10	TRC-SB-9 (24-26)	↓	950	↓	↓	X	X	X	X	X		

Container Type
Preservative

TOTAL # BOTTLES

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01 (rev. 10-OCT-05)

Relinquished By:	Date/Time	Received By:	Date/Time
	7/19/07		7/19/07 1630
	7/19/07 2010		7/19/07 2010
	7/19/07 21:40		7/19/07 21:40

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.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 7/19

ALPHA Job #: L0710362

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC
Address: 21 Griffin Rd
Windsor CT
Phone: 8
Fax:
Email: JPeronto@Trcsolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Kingsbridge Armory
Project Location: Bronx NY
Project #:
Project Manager: J. Peronto
ALPHA Quote #:

Turn-Around Time

☒ Standard 7/26 ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5 Day 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:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	TAL Metals	PCB	Pesticides	Sample Specific Comments
10362.11	TRC-SB-10(6-8)	7/19/07	1020	Soil	Sam	X	X	X	X	X	
12	TRC-SB-11(10-12)		920			X	X	X	X	X	
13	TRC-SB-12(11-12)		900			X	X	X	X	X	
14	TRC-Blank		1400	WATER		X	X	X	X	X	
15	TRC-SB-13(15-17)	7/19/07	1600	Soil	Sam	X	X	X	X	X	
16	TRC-SB3 Dup	7/19/07	1530	Soil	Sam	X	X	X	X	X	Hold Analysis

SAMPLE HANDLING

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

TOTAL # BOTTLES

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01 (rev. 10-OCT-05)

Relinquished By:	Date/Time	Received By:	Date/Time
	7/19/07		7/19/07 1630
	7/19/07 2010		7/19/07 2310
	7/19/07 2124	John DeCillis	7/19/07 2140

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.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: TRC Environmental Consultants
Address: 21 Griffin Road North
Windsor, CT 06095
Attn: Mr. James Peronto
Project Number: 113429.0120
Site: KINGSBRIDGE ARMORY

Laboratory Job Number: L0711343
Date Received: 07-AUG-2007
Date Reported: 16-AUG-2007
Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0711343-01	TRC-MW-1	
L0711343-02	TRC-MW-2	
L0711343-03	TRC-MW-3	
L0711343-04	TRC-MW-5	
L0711343-05	TRC-BLANK	
L0711343-06	TRIP BLANK	

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: Kristi L. Westerback
Technical Representative

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0711343

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.

Report Submission

This is a final report to replace the preliminary report issued on August 15, 2007. The WG290647-8 Method Blank now contains all target analytes.

Report Submission

The WG290647-8 Method Blank for the 8260 analysis does not contain the full compound list. The report will be reissued to include all analytes once it becomes available.

Volatile Organics

L0711343-03 had a pH >2.

Dissolved Metals

L0711343-02 and -03 required dilutions, 5x and 10x respectively, for the analysis of Sodium in order to quantitate the results within the calibration curve.

Total Metals

L0711343-02, -03, and the laboratory duplicate required 10x dilutions for the analysis of Sodium in order to quantitate the results within the calibration curve.

The WG290145-2 MS % recoveries for Calcium and Sodium are invalid because the sample concentration is greater than four times the spike amount added. The MS % recoveries for Potassium and Thallium are outside method acceptance criteria due to sample matrix. The post digestion spike for Thallium was acceptable at 95%.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711343-01
TRC-MW-1
Sample Matrix: WATER

Date Collected: 06-AUG-2007 12:30
Date Received : 07-AUG-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,4-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	2.1	mg/l	0.10	1	6010B	0809 16:30	0814 12:24	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:24	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:24	AI
Barium, Total	0.212	mg/l	0.010	1	6010B	0809 16:30	0814 12:24	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:24	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:24	AI
Calcium, Total	160	mg/l	0.10	1	6010B	0809 16:30	0814 12:24	AI
Chromium, Total	0.01	mg/l	0.01	1	6010B	0809 16:30	0814 12:24	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:24	AI
Copper, Total	0.065	mg/l	0.010	1	6010B	0809 16:30	0814 12:24	AI
Iron, Total	3.2	mg/l	0.05	1	6010B	0809 16:30	0814 12:24	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:24	AI
Magnesium, Total	43	mg/l	0.10	1	6010B	0809 16:30	0814 12:24	AI
Manganese, Total	0.632	mg/l	0.010	1	6010B	0809 16:30	0814 12:24	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 11:11	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0809 16:30	0814 12:24	AI
Potassium, Total	14	mg/l	2.5	1	6010B	0809 16:30	0814 12:24	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:24	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0809 16:30	0814 12:24	AI
Sodium, Total	190	mg/l	2.0	1	6010B	0809 16:30	0814 12:24	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:24	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:24	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:24	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 09:13	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 09:13	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:13	AI
Barium, Dissolved	0.188	mg/l	0.010	1	6010B	0809 10:45	0814 09:13	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:13	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:13	AI
Calcium, Dissolved	160	mg/l	0.10	1	6010B	0809 10:45	0814 09:13	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0809 10:45	0814 09:13	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 09:13	AI
Copper, Dissolved	0.032	mg/l	0.010	1	6010B	0809 10:45	0814 09:13	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0809 10:45	0814 09:13	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711343-01
TRC-MW-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:13	AI
Magnesium, Dissolved	40	mg/l	0.10	1	6010B	0809 10:45	0814 09:13	AI
Manganese, Dissolved	0.522	mg/l	0.010	1	6010B	0809 10:45	0814 09:13	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 10:51	DM
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0809 10:45	0814 09:13	AI
Potassium, Dissolved	12	mg/l	2.5	1	6010B	0809 10:45	0814 09:13	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:13	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0809 10:45	0814 09:13	AI
Sodium, Dissolved	180	mg/l	2.0	1	6010B	0809 10:45	0814 09:13	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 09:13	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:13	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 09:13	AI
Volatile Organics by EPA 8260B				1	8260B		0815 00:57	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

Laboratory Sample Number: L0711343-01
TRC-MW-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 00:57	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				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	10	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	104	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	104	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0808 17:15	0810 03:57	RL
Acenaphthene	ND	ug/l	4.9				
1,2,4-Trichlorobenzene	ND	ug/l	4.9				
Hexachlorobenzene	ND	ug/l	4.9				
Bis(2-chloroethyl)ether	ND	ug/l	4.9				
2-Chloronaphthalene	ND	ug/l	5.9				
1,2-Dichlorobenzene	ND	ug/l	4.9				

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

Laboratory Sample Number: L0711343-01
TRC-MW-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0810 03:57	RL
1,3-Dichlorobenzene	ND	ug/l	4.9				
1,4-Dichlorobenzene	ND	ug/l	4.9				
3,3'-Dichlorobenzidine	ND	ug/l	49.				
2,4-Dinitrotoluene	ND	ug/l	5.9				
2,6-Dinitrotoluene	ND	ug/l	4.9				
Fluoranthene	ND	ug/l	4.9				
4-Chlorophenyl phenyl ether	ND	ug/l	4.9				
4-Bromophenyl phenyl ether	ND	ug/l	4.9				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9				
Bis(2-chloroethoxy)methane	ND	ug/l	4.9				
Hexachlorobutadiene	ND	ug/l	9.8				
Hexachlorocyclopentadiene	ND	ug/l	29.				
Hexachloroethane	ND	ug/l	4.9				
Isophorone	ND	ug/l	4.9				
Naphthalene	ND	ug/l	4.9				
Nitrobenzene	ND	ug/l	4.9				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.9				
Bis(2-Ethylhexyl)phthalate	ND	ug/l	4.9				
Butyl benzyl phthalate	ND	ug/l	4.9				
Di-n-butylphthalate	ND	ug/l	4.9				
Di-n-octylphthalate	ND	ug/l	4.9				
Diethyl phthalate	ND	ug/l	4.9				
Dimethyl phthalate	ND	ug/l	4.9				
Benzo(a)anthracene	ND	ug/l	4.9				
Benzo(a)pyrene	ND	ug/l	4.9				
Benzo(b)fluoranthene	ND	ug/l	4.9				
Benzo(k)fluoranthene	ND	ug/l	4.9				
Chrysene	ND	ug/l	4.9				
Acenaphthylene	ND	ug/l	4.9				
Anthracene	ND	ug/l	4.9				
Benzo(ghi)perylene	ND	ug/l	4.9				
Fluorene	ND	ug/l	4.9				
Phenanthrene	ND	ug/l	4.9				
Dibenzo(a,h)anthracene	ND	ug/l	4.9				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	6.8				
Pyrene	ND	ug/l	4.9				
Biphenyl	ND	ug/l	4.9				
4-Chloroaniline	ND	ug/l	4.9				
2-Nitroaniline	ND	ug/l	4.9				
3-Nitroaniline	ND	ug/l	4.9				
4-Nitroaniline	ND	ug/l	6.8				
Dibenzofuran	ND	ug/l	4.9				
2-Methylnaphthalene	ND	ug/l	4.9				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Acetophenone	ND	ug/l	20.				
2,4,6-Trichlorophenol	ND	ug/l	4.9				
P-Chloro-M-Cresol	ND	ug/l	4.9				
2-Chlorophenol	ND	ug/l	5.9				

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

Laboratory Sample Number: L0711343-01
TRC-MW-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0810 03:57	RL
2,4-Dichlorophenol	ND	ug/l	9.8				
2,4-Dimethylphenol	ND	ug/l	9.8				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	9.8				
2,4-Dinitrophenol	ND	ug/l	29.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	9.8				
Phenol	ND	ug/l	6.8				
2-Methylphenol	ND	ug/l	5.9				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9				
2,4,5-Trichlorophenol	ND	ug/l	4.9				
Benzoic Acid	ND	ug/l	49.				
Benzyl Alcohol	ND	ug/l	9.8				
Carbazole	ND	ug/l	4.9				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	29.0	%	21-120				
Phenol-d6	21.0	%	10-120				
Nitrobenzene-d5	47.0	%	23-120				
2-Fluorobiphenyl	51.0	%	43-120				
2,4,6-Tribromophenol	92.0	%	10-120				
4-Terphenyl-d14	80.0	%	33-120				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711343-02
TRC-MW-2
Sample Matrix: WATER

Date Collected: 06-AUG-2007 14:00
Date Received : 07-AUG-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,4-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	0.31	mg/l	0.10	1	6010B	0809 16:30	0814 12:13	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:13	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:13	AI
Barium, Total	0.094	mg/l	0.010	1	6010B	0809 16:30	0814 12:13	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:13	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:13	AI
Calcium, Total	180	mg/l	0.10	1	6010B	0809 16:30	0814 12:13	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0809 16:30	0814 12:13	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:13	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:13	AI
Iron, Total	0.38	mg/l	0.05	1	6010B	0809 16:30	0814 12:13	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:13	AI
Magnesium, Total	47	mg/l	0.10	1	6010B	0809 16:30	0814 12:13	AI
Manganese, Total	1.12	mg/l	0.010	1	6010B	0809 16:30	0814 12:13	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 11:13	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0809 16:30	0814 12:13	AI
Potassium, Total	24	mg/l	2.5	1	6010B	0809 16:30	0814 12:13	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:13	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0809 16:30	0814 12:13	AI
Sodium, Total	390	mg/l	20	1	6010B	0809 16:30	0814 13:15	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:13	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:13	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:13	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 09:17	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 09:17	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:17	AI
Barium, Dissolved	0.087	mg/l	0.010	1	6010B	0809 10:45	0814 09:17	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:17	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:17	AI
Calcium, Dissolved	180	mg/l	0.10	1	6010B	0809 10:45	0814 09:17	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0809 10:45	0814 09:17	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 09:17	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:17	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0809 10:45	0814 09:17	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711343-02
TRC-MW-2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:17	AI
Magnesium, Dissolved	45	mg/l	0.10	1	6010B	0809 10:45	0814 09:17	AI
Manganese, Dissolved	1.05	mg/l	0.010	1	6010B	0809 10:45	0814 09:17	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 10:56	DM
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0809 10:45	0814 09:17	AI
Potassium, Dissolved	22	mg/l	2.5	1	6010B	0809 10:45	0814 09:17	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:17	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0809 10:45	0814 09:17	AI
Sodium, Dissolved	370	mg/l	10	1	6010B	0809 10:45	0814 10:07	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 09:17	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:17	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 09:17	AI
Volatile Organics by EPA 8260B				1	8260B		0815 10:25	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

Laboratory Sample Number: L0711343-02
TRC-MW-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 10:25	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				
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	0.63	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	106	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	107	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0808 17:15	0809 16:53	RL
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				

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

Laboratory Sample Number: L0711343-02
TRC-MW-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0809 16:53	RL
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				
2-Chlorophenol	ND	ug/l	6.0				

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

Laboratory Sample Number: L0711343-02
TRC-MW-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0809 16:53	RL
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	45.0	%	21-120				
Phenol-d6	39.0	%	10-120				
Nitrobenzene-d5	76.0	%	23-120				
2-Fluorobiphenyl	61.0	%	43-120				
2,4,6-Tribromophenol	86.0	%	10-120				
4-Terphenyl-d14	79.0	%	33-120				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711343-03
TRC-MW-3
Sample Matrix: WATER

Date Collected: 06-AUG-2007 17:00
Date Received : 07-AUG-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,4-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	2.0	mg/l	0.10	1	6010B	0809 16:30	0814 12:27	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:27	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:27	AI
Barium, Total	0.135	mg/l	0.010	1	6010B	0809 16:30	0814 12:27	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:27	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:27	AI
Calcium, Total	230	mg/l	0.10	1	6010B	0809 16:30	0814 12:27	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0809 16:30	0814 12:27	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:27	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:27	AI
Iron, Total	2.7	mg/l	0.05	1	6010B	0809 16:30	0814 12:27	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:27	AI
Magnesium, Total	64	mg/l	0.10	1	6010B	0809 16:30	0814 12:27	AI
Manganese, Total	0.473	mg/l	0.010	1	6010B	0809 16:30	0814 12:27	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 11:18	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0809 16:30	0814 12:27	AI
Potassium, Total	31	mg/l	2.5	1	6010B	0809 16:30	0814 12:27	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:27	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0809 16:30	0814 12:27	AI
Sodium, Total	840	mg/l	20	1	6010B	0809 16:30	0814 13:27	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:27	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:27	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:27	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 09:20	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 09:20	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:20	AI
Barium, Dissolved	0.116	mg/l	0.010	1	6010B	0809 10:45	0814 09:20	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:20	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:20	AI
Calcium, Dissolved	230	mg/l	0.10	1	6010B	0809 10:45	0814 09:20	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0809 10:45	0814 09:20	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 09:20	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:20	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0809 10:45	0814 09:20	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711343-03
TRC-MW-3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:20	AI
Magnesium, Dissolved	61	mg/l	0.10	1	6010B	0809 10:45	0814 09:20	AI
Manganese, Dissolved	0.400	mg/l	0.010	1	6010B	0809 10:45	0814 09:20	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 10:58	DM
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0809 10:45	0814 09:20	AI
Potassium, Dissolved	28	mg/l	2.5	1	6010B	0809 10:45	0814 09:20	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:20	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0809 10:45	0814 09:20	AI
Sodium, Dissolved	820	mg/l	20	1	6010B	0809 10:45	0814 10:11	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 09:20	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:20	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 09:20	AI
Volatile Organics by EPA 8260B				1	8260B		0815 11:01	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					

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

Laboratory Sample Number: L0711343-03
TRC-MW-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 11:01	PD
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
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	107	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	100	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0808 17:15	0809 17:16	RL
Acenaphthene	ND	ug/l	4.8				
1,2,4-Trichlorobenzene	ND	ug/l	4.8				
Hexachlorobenzene	ND	ug/l	4.8				
Bis(2-chloroethyl)ether	ND	ug/l	4.8				
2-Chloronaphthalene	ND	ug/l	5.7				
1,2-Dichlorobenzene	ND	ug/l	4.8				

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

Laboratory Sample Number: L0711343-03
TRC-MW-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0809 17:16	RL
1,3-Dichlorobenzene	ND	ug/l	4.8				
1,4-Dichlorobenzene	ND	ug/l	4.8				
3,3'-Dichlorobenzidine	ND	ug/l	48.				
2,4-Dinitrotoluene	ND	ug/l	5.7				
2,6-Dinitrotoluene	ND	ug/l	4.8				
Fluoranthene	ND	ug/l	4.8				
4-Chlorophenyl phenyl ether	ND	ug/l	4.8				
4-Bromophenyl phenyl ether	ND	ug/l	4.8				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.8				
Bis(2-chloroethoxy)methane	ND	ug/l	4.8				
Hexachlorobutadiene	ND	ug/l	9.6				
Hexachlorocyclopentadiene	ND	ug/l	29.				
Hexachloroethane	ND	ug/l	4.8				
Isophorone	ND	ug/l	4.8				
Naphthalene	ND	ug/l	4.8				
Nitrobenzene	ND	ug/l	4.8				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	14.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.8				
Bis(2-Ethylhexyl)phthalate	ND	ug/l	4.8				
Butyl benzyl phthalate	ND	ug/l	4.8				
Di-n-butylphthalate	ND	ug/l	4.8				
Di-n-octylphthalate	ND	ug/l	4.8				
Diethyl phthalate	ND	ug/l	4.8				
Dimethyl phthalate	ND	ug/l	4.8				
Benzo(a)anthracene	ND	ug/l	4.8				
Benzo(a)pyrene	ND	ug/l	4.8				
Benzo(b)fluoranthene	ND	ug/l	4.8				
Benzo(k)fluoranthene	ND	ug/l	4.8				
Chrysene	ND	ug/l	4.8				
Acenaphthylene	ND	ug/l	4.8				
Anthracene	ND	ug/l	4.8				
Benzo(ghi)perylene	ND	ug/l	4.8				
Fluorene	ND	ug/l	4.8				
Phenanthrene	ND	ug/l	4.8				
Dibenzo(a,h)anthracene	ND	ug/l	4.8				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	6.7				
Pyrene	ND	ug/l	4.8				
Biphenyl	ND	ug/l	4.8				
4-Chloroaniline	ND	ug/l	4.8				
2-Nitroaniline	ND	ug/l	4.8				
3-Nitroaniline	ND	ug/l	4.8				
4-Nitroaniline	ND	ug/l	6.7				
Dibenzofuran	ND	ug/l	4.8				
2-Methylnaphthalene	ND	ug/l	4.8				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	19.				
Acetophenone	ND	ug/l	19.				
2,4,6-Trichlorophenol	ND	ug/l	4.8				
P-Chloro-M-Cresol	ND	ug/l	4.8				
2-Chlorophenol	ND	ug/l	5.7				

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

Laboratory Sample Number: L0711343-03
TRC-MW-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0809 17:16	RL
2,4-Dichlorophenol	ND	ug/l	9.6				
2,4-Dimethylphenol	ND	ug/l	9.6				
2-Nitrophenol	ND	ug/l	19.				
4-Nitrophenol	ND	ug/l	9.6				
2,4-Dinitrophenol	ND	ug/l	29.				
4,6-Dinitro-o-cresol	ND	ug/l	19.				
Pentachlorophenol	ND	ug/l	9.6				
Phenol	ND	ug/l	6.7				
2-Methylphenol	ND	ug/l	5.7				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.7				
2,4,5-Trichlorophenol	ND	ug/l	4.8				
Benzoic Acid	ND	ug/l	48.				
Benzyl Alcohol	ND	ug/l	9.6				
Carbazole	ND	ug/l	4.8				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	43.0	%	21-120				
Phenol-d6	36.0	%	10-120				
Nitrobenzene-d5	66.0	%	23-120				
2-Fluorobiphenyl	50.0	%	43-120				
2,4,6-Tribromophenol	71.0	%	10-120				
4-Terphenyl-d14	66.0	%	33-120				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711343-04
TRC-MW-5
Sample Matrix: WATER

Date Collected: 06-AUG-2007 15:45
Date Received : 07-AUG-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,4-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	0.70	mg/l	0.10	1	6010B	0809 16:30	0814 13:12	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 13:12	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 13:12	AI
Barium, Total	0.127	mg/l	0.010	1	6010B	0809 16:30	0814 13:12	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 13:12	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 13:12	AI
Calcium, Total	180	mg/l	0.10	1	6010B	0809 16:30	0814 13:12	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0809 16:30	0814 13:12	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 13:12	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 13:12	AI
Iron, Total	1.0	mg/l	0.05	1	6010B	0809 16:30	0814 13:12	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 13:12	AI
Magnesium, Total	44	mg/l	0.10	1	6010B	0809 16:30	0814 13:12	AI
Manganese, Total	1.44	mg/l	0.010	1	6010B	0809 16:30	0814 13:12	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 11:24	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0809 16:30	0814 13:12	AI
Potassium, Total	21	mg/l	2.5	1	6010B	0809 16:30	0814 13:12	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 13:12	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0809 16:30	0814 13:12	AI
Sodium, Total	160	mg/l	2.0	1	6010B	0809 16:30	0814 13:12	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 13:12	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 13:12	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 13:12	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 09:24	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 09:24	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:24	AI
Barium, Dissolved	0.118	mg/l	0.010	1	6010B	0809 10:45	0814 09:24	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:24	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 09:24	AI
Calcium, Dissolved	180	mg/l	0.10	1	6010B	0809 10:45	0814 09:24	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0809 10:45	0814 09:24	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 09:24	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:24	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0809 10:45	0814 09:24	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711343-04
TRC-MW-5

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:24	AI
Magnesium, Dissolved	42	mg/l	0.10	1	6010B	0809 10:45	0814 09:24	AI
Manganese, Dissolved	1.36	mg/l	0.010	1	6010B	0809 10:45	0814 09:24	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 11:04	DM
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0809 10:45	0814 09:24	AI
Potassium, Dissolved	20	mg/l	2.5	1	6010B	0809 10:45	0814 09:24	AI
Selenium, Dissolved	0.010	mg/l	0.010	1	6010B	0809 10:45	0814 09:24	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0809 10:45	0814 09:24	AI
Sodium, Dissolved	150	mg/l	2.0	1	6010B	0809 10:45	0814 09:24	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 09:24	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 09:24	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 09:24	AI
Volatile Organics by EPA 8260B				1	8260B		0815 11:38	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	0.81	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

Laboratory Sample Number: L0711343-04
TRC-MW-5

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 11:38	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				
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	0.58	ug/l	0.50				
4-Ethyltoluene	ND	ug/l	0.50				
1,2,4,5-Tetramethylbenzene	0.51	ug/l	0.50				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	101	%	70-130				
Dibromofluoromethane	101	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0808 17:15	0809 17:39	RL
Acenaphthene	ND	ug/l	4.8				
1,2,4-Trichlorobenzene	ND	ug/l	4.8				
Hexachlorobenzene	ND	ug/l	4.8				
Bis(2-chloroethyl)ether	ND	ug/l	4.8				
2-Chloronaphthalene	ND	ug/l	5.8				
1,2-Dichlorobenzene	ND	ug/l	4.8				

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

Laboratory Sample Number: L0711343-04
TRC-MW-5

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0809 17:39	RL
1,3-Dichlorobenzene	ND	ug/l	4.8				
1,4-Dichlorobenzene	ND	ug/l	4.8				
3,3'-Dichlorobenzidine	ND	ug/l	48.				
2,4-Dinitrotoluene	ND	ug/l	5.8				
2,6-Dinitrotoluene	ND	ug/l	4.8				
Fluoranthene	ND	ug/l	4.8				
4-Chlorophenyl phenyl ether	ND	ug/l	4.8				
4-Bromophenyl phenyl ether	ND	ug/l	4.8				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.8				
Bis(2-chloroethoxy)methane	ND	ug/l	4.8				
Hexachlorobutadiene	ND	ug/l	9.6				
Hexachlorocyclopentadiene	ND	ug/l	29.				
Hexachloroethane	ND	ug/l	4.8				
Isophorone	ND	ug/l	4.8				
Naphthalene	ND	ug/l	4.8				
Nitrobenzene	ND	ug/l	4.8				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	14.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.8				
Bis(2-Ethylhexyl)phthalate	ND	ug/l	4.8				
Butyl benzyl phthalate	ND	ug/l	4.8				
Di-n-butylphthalate	ND	ug/l	4.8				
Di-n-octylphthalate	ND	ug/l	4.8				
Diethyl phthalate	ND	ug/l	4.8				
Dimethyl phthalate	ND	ug/l	4.8				
Benzo(a)anthracene	ND	ug/l	4.8				
Benzo(a)pyrene	ND	ug/l	4.8				
Benzo(b)fluoranthene	ND	ug/l	4.8				
Benzo(k)fluoranthene	ND	ug/l	4.8				
Chrysene	ND	ug/l	4.8				
Acenaphthylene	ND	ug/l	4.8				
Anthracene	ND	ug/l	4.8				
Benzo(ghi)perylene	ND	ug/l	4.8				
Fluorene	ND	ug/l	4.8				
Phenanthrene	ND	ug/l	4.8				
Dibenzo(a,h)anthracene	ND	ug/l	4.8				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	6.7				
Pyrene	ND	ug/l	4.8				
Biphenyl	ND	ug/l	4.8				
4-Chloroaniline	ND	ug/l	4.8				
2-Nitroaniline	ND	ug/l	4.8				
3-Nitroaniline	ND	ug/l	4.8				
4-Nitroaniline	ND	ug/l	6.7				
Dibenzofuran	ND	ug/l	4.8				
2-Methylnaphthalene	ND	ug/l	4.8				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	19.				
Acetophenone	ND	ug/l	19.				
2,4,6-Trichlorophenol	ND	ug/l	4.8				
P-Chloro-M-Cresol	ND	ug/l	4.8				
2-Chlorophenol	ND	ug/l	5.8				

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

Laboratory Sample Number: L0711343-04
TRC-MW-5

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0809 17:39	RL
2,4-Dichlorophenol	ND	ug/l	9.6				
2,4-Dimethylphenol	ND	ug/l	9.6				
2-Nitrophenol	ND	ug/l	19.				
4-Nitrophenol	ND	ug/l	9.6				
2,4-Dinitrophenol	ND	ug/l	29.				
4,6-Dinitro-o-cresol	ND	ug/l	19.				
Pentachlorophenol	ND	ug/l	9.6				
Phenol	ND	ug/l	6.7				
2-Methylphenol	ND	ug/l	5.8				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.8				
2,4,5-Trichlorophenol	ND	ug/l	4.8				
Benzoic Acid	ND	ug/l	48.				
Benzyl Alcohol	ND	ug/l	9.6				
Carbazole	ND	ug/l	4.8				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	39.0	%	21-120				
Phenol-d6	30.0	%	10-120				
Nitrobenzene-d5	65.0	%	23-120				
2-Fluorobiphenyl	53.0	%	43-120				
2,4,6-Tribromophenol	80.0	%	10-120				
4-Terphenyl-d14	74.0	%	33-120				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711343-05
TRC-BLANK
Sample Matrix: WATER

Date Collected: 06-AUG-2007 13:00
Date Received : 07-AUG-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,4-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0809 16:30	0814 12:41	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:41	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:41	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:41	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:41	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:41	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0809 16:30	0814 12:41	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0809 16:30	0814 12:41	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:41	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:41	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0809 16:30	0814 12:41	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:41	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0809 16:30	0814 12:41	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:41	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 11:26	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0809 16:30	0814 12:41	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0809 16:30	0814 12:41	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:41	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0809 16:30	0814 12:41	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0809 16:30	0814 12:41	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:41	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:41	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:41	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 10:00	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 10:00	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 10:00	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 10:00	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 10:00	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 10:00	AI
Calcium, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 10:00	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0809 10:45	0814 10:00	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 10:00	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 10:00	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0809 10:45	0814 10:00	AI

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

Laboratory Sample Number: L0711343-05
TRC-BLANK

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 10:00	AI
Magnesium, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 10:00	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 10:00	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 11:06	DM
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0809 10:45	0814 10:00	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0809 10:45	0814 10:00	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 10:00	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0809 10:45	0814 10:00	AI
Sodium, Dissolved	ND	mg/l	2.0	1	6010B	0809 10:45	0814 10:00	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 10:00	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 10:00	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 10:00	AI
Volatile Organics by EPA 8260B				1	8260B		0815 12:15	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

Laboratory Sample Number: L0711343-05
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 12:15	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				
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	108	%	70-130				
Dibromofluoromethane	97.0	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0808 17:15	0809 18:02	RL
Acenaphthene	ND	ug/l	4.9				
1,2,4-Trichlorobenzene	ND	ug/l	4.9				
Hexachlorobenzene	ND	ug/l	4.9				
Bis(2-chloroethyl)ether	ND	ug/l	4.9				
2-Chloronaphthalene	ND	ug/l	5.9				
1,2-Dichlorobenzene	ND	ug/l	4.9				

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

Laboratory Sample Number: L0711343-05
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0809 18:02	RL
1,3-Dichlorobenzene	ND	ug/l	4.9				
1,4-Dichlorobenzene	ND	ug/l	4.9				
3,3'-Dichlorobenzidine	ND	ug/l	49.				
2,4-Dinitrotoluene	ND	ug/l	5.9				
2,6-Dinitrotoluene	ND	ug/l	4.9				
Fluoranthene	ND	ug/l	4.9				
4-Chlorophenyl phenyl ether	ND	ug/l	4.9				
4-Bromophenyl phenyl ether	ND	ug/l	4.9				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9				
Bis(2-chloroethoxy)methane	ND	ug/l	4.9				
Hexachlorobutadiene	ND	ug/l	9.9				
Hexachlorocyclopentadiene	ND	ug/l	30.				
Hexachloroethane	ND	ug/l	4.9				
Isophorone	ND	ug/l	4.9				
Naphthalene	ND	ug/l	4.9				
Nitrobenzene	ND	ug/l	4.9				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.9				
Bis(2-Ethylhexyl)phthalate	ND	ug/l	4.9				
Butyl benzyl phthalate	ND	ug/l	4.9				
Di-n-butylphthalate	ND	ug/l	4.9				
Di-n-octylphthalate	ND	ug/l	4.9				
Diethyl phthalate	ND	ug/l	4.9				
Dimethyl phthalate	ND	ug/l	4.9				
Benzo(a)anthracene	ND	ug/l	4.9				
Benzo(a)pyrene	ND	ug/l	4.9				
Benzo(b)fluoranthene	ND	ug/l	4.9				
Benzo(k)fluoranthene	ND	ug/l	4.9				
Chrysene	ND	ug/l	4.9				
Acenaphthylene	ND	ug/l	4.9				
Anthracene	ND	ug/l	4.9				
Benzo(ghi)perylene	ND	ug/l	4.9				
Fluorene	ND	ug/l	4.9				
Phenanthrene	ND	ug/l	4.9				
Dibenzo(a,h)anthracene	ND	ug/l	4.9				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	6.9				
Pyrene	ND	ug/l	4.9				
Biphenyl	ND	ug/l	4.9				
4-Chloroaniline	ND	ug/l	4.9				
2-Nitroaniline	ND	ug/l	4.9				
3-Nitroaniline	ND	ug/l	4.9				
4-Nitroaniline	ND	ug/l	6.9				
Dibenzofuran	ND	ug/l	4.9				
2-Methylnaphthalene	ND	ug/l	4.9				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Acetophenone	ND	ug/l	20.				
2,4,6-Trichlorophenol	ND	ug/l	4.9				
P-Chloro-M-Cresol	ND	ug/l	4.9				
2-Chlorophenol	ND	ug/l	5.9				

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

Laboratory Sample Number: L0711343-05
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0809 18:02	RL
2,4-Dichlorophenol	ND	ug/l	9.9				
2,4-Dimethylphenol	ND	ug/l	9.9				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	9.9				
2,4-Dinitrophenol	ND	ug/l	30.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	9.9				
Phenol	ND	ug/l	6.9				
2-Methylphenol	ND	ug/l	5.9				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9				
2,4,5-Trichlorophenol	ND	ug/l	4.9				
Benzoic Acid	ND	ug/l	49.				
Benzyl Alcohol	ND	ug/l	9.9				
Carbazole	ND	ug/l	4.9				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	39.0	%	21-120				
Phenol-d6	29.0	%	10-120				
Nitrobenzene-d5	61.0	%	23-120				
2-Fluorobiphenyl	55.0	%	43-120				
2,4,6-Tribromophenol	72.0	%	10-120				
4-Terphenyl-d14	82.0	%	33-120				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711343-06
TRIP BLANK
Sample Matrix: WATER

Date Collected: 01-AUG-2007 12:00
Date Received : 07-AUG-2007
Date Reported : 16-AUG-2007

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				8260B		0815 12:52	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				
Styrene	ND	ug/l	1.0				

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

Laboratory Sample Number: L0711343-06
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 12:52	PD
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	110	%	70-130
Toluene-d8	100	%	70-130
4-Bromofluorobenzene	109	%	70-130
Dibromofluoromethane	99.0	%	70-130

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0711343

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 01-05 (L0711343-02, WG290145-1)					
Aluminum, Total	0.31	0.33	mg/l	6	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.094	0.091	mg/l	3	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	180	180	mg/l	0	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	0.38	0.38	mg/l	0	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	47	47	mg/l	2	20
Manganese, Total	1.12	1.11	mg/l	1	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	24	24	mg/l	0	20
Selenium, Total	ND	0.011	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	390	390	mg/l	0	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01-05 (L0711343-03, WG289958-3)					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01-05 (L0711392-01, WG290058-1)					
Arsenic, Dissolved	0.016	0.015	mg/l	8	20
Barium, Dissolved	0.098	0.097	mg/l	1	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	35	35	mg/l	0	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	59	59	mg/l	0	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Manganese, Dissolved	1.59	1.59	mg/l	0	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	40	40	mg/l	0	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01-05 (L0711343-03, WG289951-3)					
Mercury, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711343

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-05 (WG290145-4)		
Aluminum, Total	100	80-120
Antimony, Total	101	80-120
Arsenic, Total	104	80-120
Barium, Total	96	80-120
Beryllium, Total	97	80-120
Cadmium, Total	107	80-120
Calcium, Total	91	80-120
Chromium, Total	95	80-120
Cobalt, Total	98	80-120
Copper, Total	92	80-120
Iron, Total	97	80-120
Lead, Total	101	80-120
Magnesium, Total	95	80-120
Manganese, Total	96	80-120
Nickel, Total	97	80-120
Potassium, Total	95	80-120
Selenium, Total	106	80-120
Silver, Total	94	80-120
Sodium, Total	110	80-120
Thallium, Total	97	80-120
Vanadium, Total	98	80-120
Zinc, Total	91	80-120
Total Metals LCS for sample(s) 01-05 (WG289958-1)		
Mercury, Total	105	85-115
Dissolved Metals LCS for sample(s) 01-05 (WG290058-4)		
Aluminum, Dissolved	100	80-120
Antimony, Dissolved	101	80-120
Arsenic, Dissolved	105	80-120
Barium, Dissolved	97	80-120
Beryllium, Dissolved	102	80-120
Cadmium, Dissolved	106	80-120
Calcium, Dissolved	94	80-120
Chromium, Dissolved	100	80-120
Cobalt, Dissolved	100	80-120
Copper, Dissolved	93	80-120
Iron, Dissolved	98	80-120
Lead, Dissolved	102	80-120
Magnesium, Dissolved	97	80-120
Manganese, Dissolved	97	80-120
Nickel, Dissolved	96	80-120
Potassium, Dissolved	94	80-120
Selenium, Dissolved	109	80-120
Silver, Dissolved	99	80-120
Sodium, Dissolved	100	80-120
Thallium, Dissolved	98	80-120
Vanadium, Dissolved	99	80-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711343

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals LCS for sample(s) 01-05 (WG290058-4)		
Zinc, Dissolved	98	80-120
Dissolved Metals LCS for sample(s) 01-05 (WG289951-1)		
Mercury, Dissolved	107	70-130
Volatile Organics by EPA 8260B LCS for sample(s) 05-06 (WG290713-3)		
Chlorobenzene	114	75-130
Benzene	112	76-127
Toluene	111	76-125
1,1-Dichloroethene	109	61-145
Trichloroethene	111	71-120
Surrogate(s)		
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130
Dibromofluoromethane	100	70-130
Volatile Organics by EPA 8260B LCS for sample(s) 02-04 (WG290647-9)		
Chlorobenzene	114	75-130
Benzene	112	76-127
Toluene	111	76-125
1,1-Dichloroethene	109	61-145
Trichloroethene	111	71-120
Surrogate(s)		
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130
Dibromofluoromethane	100	70-130
Volatile Organics by EPA 8260B LCS for sample(s) 01 (WG290647-7)		
Chlorobenzene	107	75-130
Benzene	104	76-127
Toluene	104	76-125
1,1-Dichloroethene	108	61-145
Trichloroethene	102	71-120
Surrogate(s)		
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130
Dibromofluoromethane	104	70-130
Semivolatile Organics by EPA 8270C LCS for sample(s) 01-05 (WG290005-2)		
Acenaphthene	83	46-118
1,2,4-Trichlorobenzene	78	39-98
2-Chloronaphthalene	82	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711343

Continued

Parameter	% Recovery	QC Criteria
Semivolatile Organics by EPA 8270C LCS for sample(s) 01-05 (WG290005-2)		
1,2-Dichlorobenzene	68	40-140
1,4-Dichlorobenzene	66	36-97
2,4-Dinitrotoluene	90	24-96
2,6-Dinitrotoluene	100	40-140
Fluoranthene	90	40-140
4-Chlorophenyl phenyl ether	92	40-140
n-Nitrosodi-n-propylamine	64	41-116
Butyl benzyl phthalate	90	40-140
Anthracene	76	40-140
Pyrene	90	26-127
P-Chloro-M-Cresol	86	23-97
2-Chlorophenol	72	27-123
2-Nitrophenol	78	30-130
4-Nitrophenol	42	10-80
2,4-Dinitrophenol	83	30-130
Pentachlorophenol	98	9-103
Phenol	27	12-110
Surrogate(s)		
2-Fluorophenol	43	21-120
Phenol-d6	34	10-120
Nitrobenzene-d5	77	23-120
2-Fluorobiphenyl	76	43-120
2,4,6-Tribromophenol	112	10-120
4-Terphenyl-d14	86	33-120
Total Metals SPIKE for sample(s) 01-05 (L0711343-02, WG290145-2)		
Aluminum, Total	120	75-125
Antimony, Total	102	75-125
Arsenic, Total	107	75-125
Barium, Total	95	75-125
Beryllium, Total	94	75-125
Cadmium, Total	103	75-125
Calcium, Total	0	75-125
Chromium, Total	95	75-125
Cobalt, Total	95	75-125
Copper, Total	93	75-125
Iron, Total	95	75-125
Lead, Total	97	75-125
Magnesium, Total	90	75-125
Manganese, Total	84	75-125
Nickel, Total	96	75-125
Potassium, Total	380	75-125
Selenium, Total	110	75-125
Silver, Total	91	75-125
Sodium, Total	0	75-125
Thallium, Total	42	75-125
Vanadium, Total	97	75-125

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711343

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01-05 (L0711343-02, WG290145-2)		
Zinc, Total	88	75-125
Total Metals SPIKE for sample(s) 01-05 (L0711343-03, WG289958-2)		
Mercury, Total	122	70-130
Dissolved Metals SPIKE for sample(s) 01-05 (L0711392-01, WG290058-2)		
Aluminum, Dissolved	100	75-125
Antimony, Dissolved	101	75-125
Arsenic, Dissolved	104	75-125
Barium, Dissolved	96	75-125
Beryllium, Dissolved	102	75-125
Cadmium, Dissolved	102	75-125
Calcium, Dissolved	90	75-125
Chromium, Dissolved	100	75-125
Cobalt, Dissolved	100	75-125
Copper, Dissolved	95	75-125
Iron, Dissolved	100	75-125
Lead, Dissolved	99	75-125
Magnesium, Dissolved	100	75-125
Manganese, Dissolved	94	75-125
Nickel, Dissolved	95	75-125
Potassium, Dissolved	110	75-125
Selenium, Dissolved	105	75-125
Silver, Dissolved	99	75-125
Sodium, Dissolved	120	75-125
Thallium, Dissolved	100	75-125
Vanadium, Dissolved	99	75-125
Zinc, Dissolved	98	75-125
Dissolved Metals SPIKE for sample(s) 01-05 (L0711343-03, WG289951-2)		
Mercury, Dissolved	120	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0711343

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by EPA 8260B for sample(s) 01-04 (L0711137-01, WG290647-2)					
Chlorobenzene	95	90	5	20	75-130
Benzene	98	93	5	20	76-127
Toluene	96	90	6	20	76-125
1,1-Dichloroethene	96	87	10	20	61-145
Trichloroethene	90	87	3	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	102	103	1		70-130
Toluene-d8	101	101	0		70-130
4-Bromofluorobenzene	100	100	0		70-130
Dibromofluoromethane	101	102	1		70-130
Volatile Organics by EPA 8260B for sample(s) 05-06 (L0711447-02, WG290713-2)					
Chlorobenzene	104	99	5	20	75-130
Benzene	109	103	6	20	76-127
Toluene	105	99	6	20	76-125
1,1-Dichloroethene	111	106	5	20	61-145
Trichloroethene	104	99	5	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	108	107	1		70-130
Toluene-d8	98	100	2		70-130
4-Bromofluorobenzene	97	96	1		70-130
Dibromofluoromethane	98	96	2		70-130
Semivolatile Organics by EPA 8270C for sample(s) 01-05 (L0711343-01, WG290005-4)					
Acenaphthene	59	68	14	30	46-118
1,2,4-Trichlorobenzene	50	59	17	30	39-98
2-Chloronaphthalene	59	68	14	30	40-140
1,2-Dichlorobenzene	50	50	0	30	40-140
1,4-Dichlorobenzene	50	50	0	30	36-97
2,4-Dinitrotoluene	81	86	6	30	24-96
2,6-Dinitrotoluene	81	86	6	30	40-140
Fluoranthene	86	95	10	30	40-140
4-Chlorophenyl phenyl ether	72	81	12	30	40-140
n-Nitrosodi-n-propylamine	45	50	11	30	41-116
Butyl benzyl phthalate	86	90	5	30	40-140
Anthracene	72	77	7	30	40-140
Pyrene	86	90	5	30	26-127
P-Chloro-M-Cresol	61	72	17	30	23-97
2-Chlorophenol	52	52	0	30	27-123
2-Nitrophenol	56	61	9	30	30-130
4-Nitrophenol	65	68	5	30	10-80
2,4-Dinitrophenol	77	81	5	30	30-130
Pentachlorophenol	95	99	4	30	9-103
Phenol	34	36	6	30	12-110

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0711343

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Semivolatile Organics by EPA 8270C for sample(s) 01-05 (L0711343-01, WG290005-4)					
Surrogate(s)					
2-Fluorophenol	43	43	0		21-120
Phenol-d6	43	43	0		10-120
Nitrobenzene-d5	54	56	4		23-120
2-Fluorobiphenyl	54	62	14		43-120
2,4,6-Tribromophenol	99	101	2		10-120
4-Terphenyl-d14	83	85	2		33-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711343

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05 (WG290145-3)								
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0809 16:30	0814 12:05	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:05	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:05	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:05	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:05	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0809 16:30	0814 12:05	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0809 16:30	0814 12:05	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0809 16:30	0814 12:05	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:05	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:05	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0809 16:30	0814 12:05	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:05	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0809 16:30	0814 12:05	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:05	AI
Nickel, Total	ND	mg/l	0.025	1	6010B	0809 16:30	0814 12:05	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0809 16:30	0814 12:05	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:05	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0809 16:30	0814 12:05	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0809 16:30	0814 12:05	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0809 16:30	0814 12:05	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0809 16:30	0814 12:05	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0809 16:30	0814 12:05	AI
Blank Analysis for sample(s) 01-05 (WG289958-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 11:07	DM
Blank Analysis for sample(s) 01-05 (WG290058-3)								
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 08:53	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 08:53	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 08:53	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 08:53	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 08:53	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0809 10:45	0814 08:53	AI
Calcium, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 08:53	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0809 10:45	0814 08:53	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 08:53	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 08:53	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0809 10:45	0814 08:53	AI
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 08:53	AI
Magnesium, Dissolved	ND	mg/l	0.10	1	6010B	0809 10:45	0814 08:53	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 08:53	AI

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711343

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05 (WG290058-3)								
Dissolved Metals								
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0809 10:45	0814 08:53	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0809 10:45	0814 08:53	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 08:53	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0809 10:45	0814 08:53	AI
Sodium, Dissolved	ND	mg/l	2.0	1	6010B	0809 10:45	0814 08:53	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0809 10:45	0814 08:53	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0809 10:45	0814 08:53	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0809 10:45	0814 08:53	AI
Blank Analysis for sample(s) 01-05 (WG289951-4)								
Dissolved Metals								
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0808 14:45	0809 10:26	DM
Blank Analysis for sample(s) 01 (WG290647-8)								
Volatile Organics by EPA 8260B				1	8260B		0814 19:00	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					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711343

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG290647-8)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0814 19:00	PD
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
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	105	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	109	%	70-130				
Dibromofluoromethane	107	%	70-130				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711343

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-04 (WG290647-10)							
Volatile Organics by EPA 8260B				1 8260B		0815 09:23	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				
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				

Laboratory Job Number: L0711343

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-04 (WG290647-10)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 09:23	PD
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	105	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	105	%	70-130				
Blank Analysis for sample(s) 05-06 (WG290713-4)							
Volatile Organics by EPA 8260B				1 8260B		0815 09:23	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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711343

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 05-06 (WG290713-4)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 09:23	PD
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				
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711343

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 05-06 (WG290713-4)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0815 09:23	PD
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	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	105	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	105	%	70-130				
Blank Analysis for sample(s) 01-05 (WG290005-1)							
Semivolatile Organics by EPA 8270C				1 8270C	0808 17:15	0810 01:54	RL
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711343

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05 (WG290005-1)							
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0810 01:54	RL
Diethyl phthalate	ND	ug/l	5.0				
Dimethyl phthalate	ND	ug/l	5.0				
Benzo(a)anthracene	ND	ug/l	5.0				
Benzo(a)pyrene	ND	ug/l	5.0				
Benzo(b)fluoranthene	ND	ug/l	5.0				
Benzo(k)fluoranthene	ND	ug/l	5.0				
Chrysene	ND	ug/l	5.0				
Acenaphthylene	ND	ug/l	5.0				
Anthracene	ND	ug/l	5.0				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	5.0				
Phenanthrene	ND	ug/l	5.0				
Dibenzo(a,h)anthracene	ND	ug/l	5.0				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0				
Pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
4-Chloroaniline	ND	ug/l	5.0				
2-Nitroaniline	ND	ug/l	5.0				
3-Nitroaniline	ND	ug/l	5.0				
4-Nitroaniline	ND	ug/l	7.0				
Dibenzofuran	ND	ug/l	5.0				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Acetophenone	ND	ug/l	20.				
2,4,6-Trichlorophenol	ND	ug/l	5.0				
P-Chloro-M-Cresol	ND	ug/l	5.0				
2-Chlorophenol	ND	ug/l	6.0				
2,4-Dichlorophenol	ND	ug/l	10.				
2,4-Dimethylphenol	ND	ug/l	10.				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	10.				
2,4-Dinitrophenol	ND	ug/l	30.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	10.				
Phenol	ND	ug/l	7.0				
2-Methylphenol	ND	ug/l	6.0				
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0				
2,4,5-Trichlorophenol	ND	ug/l	5.0				
Benzoic Acid	ND	ug/l	50.				
Benzyl Alcohol	ND	ug/l	10.				
Carbazole	ND	ug/l	5.0				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	35.0	%	21-120				
Phenol-d6	26.0	%	10-120				
Nitrobenzene-d5	58.0	%	23-120				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711343

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05 (WG290005-1)							
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 17:15	0810 01:54	RL
2-Fluorobiphenyl	54.0	%	43-120				
2,4,6-Tribromophenol	80.0	%	10-120				
4-Terphenyl-d14	71.0	%	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

Date Rec'd in Lab: 8/7

ALPHA Job #: L071343

ALPHA ANALYTICAL LABORATORIES

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

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

Client Information

Client: TRC

Address: 21 Griffin Rd
Windsor Ct

Phone: 860-

Fax:

Email: JPeronto@TRCSolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Kings Bridge Armory

Project Location: Bronx

Project #: 113429.0120

Project Manager: Jim Peronto

ALPHA Quote #:

Turn-Around Time

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

Date Due: 8/14 Same 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:

TAL metals NOT Field Filtered

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL metals (Filtered)	TAL metals (Unfiltered)	TCL VOC	TCL SVOC	TOTAL # BOTTLES	Sample Specific Comments
11343.1	TRC-MW-1	8/6/07	1230	Water	SM	X	X	X	X		
2	TRC-MW-2		~~1400~~ 1330			X	X	X	X		
3	TRC-MW-3		1700			X	X	X	X		
4	TRC-MW-5		1545			X	X	X	X		
5	TRC-Blank		~~1400~~ 1330			X	X	X	X		
6	Trip Blank		—					X			

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Eugene TRC	8/7/07	Eugene TRC	8/7/07 2:00
	8/7/07		8/7/07 1900

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 10-OCT-05)

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: TRC Environmental Consultants

Address: 21 Griffin Road North
Windsor, CT 06095

Attn: Mr. James Peronto

Project Number:

Site: KINGSBRIDGE ARMORY

Laboratory Job Number: L0711636

Date Received: 24-JUL-2007

Date Reported: 16-AUG-2007

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0711636-01	TRC-SB-A/1 (3-6")	BRONX, NY
L0711636-02	TRC-SB-B/2 (0-3")	BRONX, NY
L0711636-03	TRC-SB-E/5 (6"-1")	BRONX, NY
L0711636-04	TRC-SB-H/8 (0-3")	BRONX, NY
L0711636-05	TRC-SB-J/10 (0-3")	BRONX, NY
L0711636-06	TRC-SB-K/11 (0-3")	BRONX, NY
L0711636-07	TRC-SB-M/13 (0-3")	BRONX, NY
L0711636-08	TRC-SB-N/14 (0-3")	BRONX, NY
L0711636-09	TRC-SB-P/16 (6"-1')	BRONX, NY
L0711636-10	TRC-SB-Q/17 (0-3")	BRONX, NY
L0711636-11	TRC-SB-R/18 (6"-1')	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: Kristi L. Westerman
Technical Representative

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0711636

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.

TCLP Metals

The WG290652 MS% recovery for Lead is invalid because the sample concentration is greater than four times the spike amount added.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-01
TRC-SB-A/1 (3-6")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:40
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0814 16:00		
Lead, TCLP	1900	mg/l	0.50	1	6010B	0815 09:30	0815 12:19	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-02
TRC-SB-B/2 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:50
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0814 16:00		
Lead, TCLP	45	mg/l	0.50	1	6010B	0815 09:30	0815 12:35	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-03
TRC-SB-E/5 (6"-1")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 14:30
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0814 16:00		
Lead, TCLP	840	mg/l	0.50	1	6010B	0815 09:30	0815 12:37	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-04
TRC-SB-H/8 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 15:15
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0814 16:00		
Lead, TCLP	99	mg/l	0.50	1	6010B	0815 09:30	0815 12:40	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-05
TRC-SB-J/10 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:10
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0814 16:00		
Lead, TCLP	100	mg/l	0.50	1	6010B	0815 09:30	0815 12:43	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-06
TRC-SB-K/11 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:45
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0815 15:45		
Lead, TCLP	140	mg/l	0.50	1	6010B	0816 10:30	0816 11:52	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-07
TRC-SB-M/13 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:05
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0815 15:45		
Lead, TCLP	1.6	mg/l	0.50	1	6010B	0816 10:30	0816 12:04	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-08
TRC-SB-N/14 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:15
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0815 15:45		
Lead, TCLP	ND	mg/l	0.50	1	6010B	0816 10:30	0816 12:08	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-09
TRC-SB-P/16 (6"-1')
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:15
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0815 15:45		
Lead, TCLP	4.2	mg/l	0.50	1	6010B	0816 10:30	0816 12:11	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-10
TRC-SB-Q/17 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:50
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0815 15:45		
Lead, TCLP	94	mg/l	0.50	1	6010B	0816 10:30	0816 12:15	AI

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0711636-11
TRC-SB-R/18 (6"-1')
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 14:35
Date Received : 24-JUL-2007
Date Reported : 16-AUG-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0815 15:45		
Lead, TCLP	750	mg/l	0.50	1	6010B	0816 10:30	0816 12:56	AI

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0711636

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
TCLP Metals for sample(s) 01-05 (L0711636-01, WG290652-1)					
Lead, TCLP	1900	1900	mg/l	0	20
TCLP Metals for sample(s) 06-11 (L0711636-06, WG290812-1)					
Lead, TCLP	140	130	mg/l	7	20

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711636

Parameter	% Recovery	QC Criteria
TCLP Metals LCS for sample(s) 01-05 (WG290652-4)		
Lead, TCLP	100	75-125
TCLP Metals LCS for sample(s) 06-11 (WG290812-4)		
Lead, TCLP	100	75-125
TCLP Metals SPIKE for sample(s) 01-05 (L0711636-01, WG290652-2)		
Lead, TCLP	0	75-125
TCLP Metals SPIKE for sample(s) 06-11 (L0711636-06, WG290812-2)		
Lead, TCLP	100	75-125

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711636

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05 (WG290652-3)								
TCLP Metals								
TCLP Extraction				1	1311	0814 16:00		
Lead, TCLP	ND	mg/l	0.50	1	6010B	0815 09:30	0815 12:13	MG
Blank Analysis for sample(s) 06-11 (WG290812-3)								
TCLP Metals								
TCLP Extraction				1	1311	0815 15:45		
Lead, TCLP	ND	mg/l	0.50	1	6010B	0816 10:30	0816 11:43	AI

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_____ OF _____

Date Rec'd in Lab: 7/24

ALPHA Job #: L0711636

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX:508-898-9193
RAYNHAM,MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC - WIND

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

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

Date Due: 8/17 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:

Relog of L0710597-1, 2, 5, 8, 10, 11 13, 14, 16, 17, 18

ANALYSIS: TCLP PB

SAMPLE HANDLING

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

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
16326-1	TRC-SB-A/1 (3-6")	7/23	1340	Soil		X
2	TRC-SB-B/2 (0-3")		1350			
3	TRC-SB-E/5 (6"-1')		1430			
4	TRC-SB-H/8 (0-3")		1515			
5	TRC-SB-J/10 (0-3")		1210			
6	TRC-SB-K/11 (0-3")		1245			
7	TRC-SB-M/13 (0-3")		1305			
8	TRC-SB-N/14 (0-3")		1315			
9	TRC-SB-P/16 (6"-1')		1215			
10	TRC-SB-Q/17 (0-3")		1250			
11	TRC-SB-R/18 (6"-1')	↓	1435	↓		↓

Container Type: G

Preservative: A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
			8/10 21:25

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. 10-OCT-05)

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA
WESTBORO, MA — TEL: 508-898-9220 — FAX: 508-898-9193
RAYNHAM,MA — TEL: 508-822-9300 — FAX: 508-822-3288

Date Rec'd in Lab: 7/24 — ALPHA Job #: L0710597

Client Information
Client: TRC
Address: 21 Griffen Rd
Windsor, CT
Phone: 860 298 9692
Fax:
Email: JPenrato@TRCSolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information
Project Name: Kingsbridge Armory
Project Location: Bronx, NY
Project #:
Project Manager: Jim Penrato
ALPHA Quote #:

Turn-Around Time
☒ Standard 7/31 ☐ RUSH (only confirmed if pre-approved)
Date Due: 5 days 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:
TCLP Analysis will Depend on Total Pb Results, Call Jim Penrato to Discuss.

ANALYSIS: Total Pb (Lead); TCLP Pb (Lead)

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	Total Pb (Lead)	TCLP Pb (Lead)	Sample Specific Comments	TOTAL # BOTTLES
10597-1	TRC-SB-A/1 (3-6")	7/23/07	1340	Soil	Sam	X			
2	TRC-SB-B/2 (0-3")		1350			X			
3	TRC-SB-C/3 (3-6")		1400			X			
4	TRC-SB-D/4 (0-3")		1420			X			
5	TRC-SB-E/5 (6"-1')		1430			X			
6	TRC-SB-F/6 (0-3")		1440			X			
7	TRC-SB-G/7 (6"-1')		1500			X			
8	TRC-SB-H/8 (0-3")		1515			X			
9	TRC-SB-I/9 (0-3")		1200			X			
10	TRC-SB-J/10 (0-3")		1210			X			

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	7/24/07 1400		7/24/07 1400
KOMEX	7/24/07 1740		7/24 1740

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. 10-OCT-05)

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA LABORATORIES
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/24 | ALPHA Job #: L0710597

Client Information

Client: TRC
Address: 21 Griffin Rd
Windsor, CT
Phone: 860 298 9692
Fax:
Email: JPenato@TRCsolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Kings Bridge Armory
Project Location: Bronx, NY
Project #:
Project Manager: Jim Penato
ALPHA Quote #:

Turn-Around Time

☒ Standard 7/31 ☐ RUSH (only confirmed if pre-approved)
Date Due: 5 day 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:
TCLP Analysis will depend on Total Pb Results. Call Jim Penato to Discuss.

ANALYSIS: Total Pb (Lead) | TCLP Lead

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

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
10597-11	TRC-SB-K/11 (0-3")	7/23/07	1245	Soil	Sam	
-12	TRC-SB-L/12 (3"-6")		1255			
-13	TRC-SB-M/13 (0-3")		1305			
-14	TRC-SB-N/14 (0-3")		1315			
-15	TRC-SB-O/15 (0-3")		1325			
-16	TRC-SB-P/16 (6"-1')		1215			
-17	TRC-SB-Q/17 (0-3)		1250			
-18	TRC-SB-R/18 (6"-1')		1435			
-19	TRC-SB-Blank	7/23/07	1600	water	Sam	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type																			
Preservative																			

Relinquished By:	Date/Time	Received By:	Date/Time
	7/24/07 1400		7/24/07 1400
TRANSCO	7/24/07 1740		7/24 1740

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. 10-OCT-05)

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: TRC Environmental Consultants
Address: 21 Griffin Road North
Windsor, CT 06095
Attn: Mr. James Peronto
Project Number:
Site: KINGSBRIDGE ARMORY

Laboratory Job Number: L0710597
Date Received: 24-JUL-2007
Date Reported: 31-JUL-2007
Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0710597-01	TRC-SB-A/1 (3-6")	BRONX, NY
L0710597-02	TRC-SB-B/2 (0-3")	BRONX, NY
L0710597-03	TRC-SB-C/3 (3-6")	BRONX, NY
L0710597-04	TRC-SB-D/4 (0-3")	BRONX, NY
L0710597-05	TRC-SB-E/5 (6"-1")	BRONX, NY
L0710597-06	TRC-SB-F/6 (0-3")	BRONX, NY
L0710597-07	TRC-SB-G/7 (6"-1')	BRONX, NY
L0710597-08	TRC-SB-H/8 (0-3")	BRONX, NY
L0710597-09	TRC-SB-I/9 (0-3")	BRONX, NY
L0710597-10	TRC-SB-J/10 (0-3")	BRONX, NY
L0710597-11	TRC-SB-K/11 (0-3")	BRONX, NY
L0710597-12	TRC-SB-L/12 (3"-6")	BRONX, NY
L0710597-13	TRC-SB-M/13 (0-3")	BRONX, NY
L0710597-14	TRC-SB-N/14 (0-3")	BRONX, NY
L0710597-15	TRC-SB-O/15 (0-3")	BRONX, NY
L0710597-16	TRC-SB-P/16 (6"-1')	BRONX, NY
L0710597-17	TRC-SB-Q/17 (0-3")	BRONX, NY
L0710597-18	TRC-SB-R/18 (6"-1')	BRONX, NY
L0710597-19	TRC-SB-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 Director

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0710597

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

Total Lead

L0710597-01 was re-analyzed on a 10x dilution in order to quantitate the sample within the dynamic linear range for the element.

The WG288506-2 MS % recovery is invalid because the sample concentration is greater than four times the spike amount added.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-01
TRC-SB-A/1 (3-6")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:40
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	88	%	0.10	30 2540G		0725 15:30	NM
Total Metals							
Lead, Total	23000	mg/kg	22	1 6010B	0726 18:45	0731 12:03	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-02
TRC-SB-B/2 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:50
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	87	%	0.10	30	2540G		0725 15:30	NM
Total Metals								
Lead, Total	300	mg/kg	2.3	1	6010B	0726 18:45	0727 17:57	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-03
TRC-SB-C/3 (3-6")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 14:00
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	83	%	0.10	30 2540G		0725 15:30	NM
Total Metals							
Lead, Total	7700	mg/kg	2.4	1 6010B	0726 18:45	0727 18:00	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-04
TRC-SB-D/4 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 14:20
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	87	%	0.10	30	2540G		0725 15:30	NM
Total Metals								
Lead, Total	3600	mg/kg	2.3	1	6010B	0726 18:45	0727 18:03	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-05
TRC-SB-E/5 (6"-1")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 14:30
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	98	%	0.10	30	2540G		0725 15:30	NM
Total Metals								
Lead, Total	10000	mg/kg	2.0	1	6010B	0726 18:45	0727 18:06	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-06
TRC-SB-F/6 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 14:40
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	88	%	0.10	30	2540G		0725 15:30	NM
Total Metals								
Lead, Total	2300	mg/kg	2.3	1	6010B	0726 18:45	0727 18:09	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-07
TRC-SB-G/7 (6"-1')
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 15:00
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	99	%	0.10	30 2540G		0725 15:30	NM
Total Metals							
Lead, Total	3200	mg/kg	2.0	1 6010B	0726 18:45	0727 18:12	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-08
TRC-SB-H/8 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 15:15
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	88	%	0.10	30 2540G.		0725 15:30	NM
Total Metals							
Lead, Total	5500	mg/kg	2.2	1 6010B	0726 18:45	0727 18:26	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-09
TRC-SB-I/9 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:00
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96	%	0.10	30 2540G		0725 15:30	NM
Total Metals							
Lead, Total	170	mg/kg	2.1	1 6010B	0726 18:45	0727 18:29	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-10
TRC-SB-J/10 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:10
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	92	%	0.10	30 2540G		0725 15:30	NM
Total Metals							
Lead, Total	2400	mg/kg	2.2	1 6010B	0726 18:45	0727 18:31	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-11
TRC-SB-K/11 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:45
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	94	%	0.10	30	2540G		0725 15:30	NM
Total Metals								
Lead, Total	3400	mg/kg	2.1	1	6010B	0726 18:45	0727 18:34	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-12
TRC-SB-L/12 (3"-6")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:55
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	93	%	0.10	30	2540G		0725 15:30	NM
Total Metals								
Lead, Total	5100	mg/kg	2.1	1	6010B	0726 18:45	0727 18:37	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-13
TRC-SB-M/13 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:05
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	94	%	0.10	30 2540G		0725 15:30	MM
Total Metals							
Lead, Total	260	mg/kg	2.1	1 6010B	0726 18:45	0727 18:40	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-14
TRC-SB-N/14 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:15
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	90	%	0.10	30	2540G		0725 15:30	NM
Total Metals								
Lead, Total	81	mg/kg	2.2	1	6010B	0726 18:45	0727 18:43	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-15
TRC-SB-O/15 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 13:25
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95	%	0.10	30 2540G		0725 15:30	NM
Total Metals							
Lead, Total	48	mg/kg	2.1	1 6010B	0726 18:45	0727 18:46	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-16
TRC-SB-P/16 (6"-1')
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:15
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	89	%	0.10	30 2540G		0725 15:30	NM
Total Metals							
Lead, Total	180	mg/kg	2.2	1 6010B	0726 18:45	0727 19:00	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-17
TRC-SB-Q/17 (0-3")
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 12:50
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95	%	0.10	30 2540G		0725 15:30	NM
Total Metals							
Lead, Total	2900	mg/kg	2.1	1 6010B	0726 18:45	0727 19:03	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-18
TRC-SB-R/18 (6"-1')
Sample Matrix: SOIL

Date Collected: 23-JUL-2007 14:35
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	98	%	0.10	30	2540G		0725 15:30	NM
Total Metals								
Lead, Total	10000	mg/kg	2.0	1	6010B	0726 18:45	0727 19:06	MG

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0710597-19
TRC-SB-BLANK
Sample Matrix: WATER

Date Collected: 23-JUL-2007 16:00
Date Received : 24-JUL-2007
Date Reported : 31-JUL-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Total Metals							
Lead, Total	ND	mg/l	0.010	1 6010B	0727 16:20	0730 10:39	AI

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0710597

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-18 (L0710587-01, WG288283-1)					
Solids, Total	82	82	%	0	20
Total Metals for sample(s) 19 (L0710597-19, WG288670-1)					
Lead, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01-18 (L0710597-01, WG288506-1)					
Lead, Total	23000	24000	mg/kg	4	35

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0710597

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 19 (WG288670-4)		
Lead, Total	105	80-120
Total Metals LCS for sample(s) 01-18 (WG288506-4)		
Lead, Total	99	75-125
Total Metals SPIKE for sample(s) 19 (L0710597-19, WG288670-2)		
Lead, Total	110	75-125
Total Metals SPIKE for sample(s) 01-18 (L0710597-01, WG288506-2)		
Lead, Total	22000	75-125

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710597

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 19 (WG288670-3)								
Total Metals								
Lead, Total	ND	mg/l	0.010	1	6010B	0727 16:20	0730 10:33	AI
Blank Analysis for sample(s) 01-18 (WG288506-3)								
Total Metals								
Lead, Total	ND	mg/kg	2.0	1	6010B	0726 18:45	0727 17:37	MG

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.

LIMITATION OF LIABILITIES

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