



Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive, Suite G
Hauppauge, New York 11788
T (631) 462-5866 • F (631) 462-5877

NYC Office
15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 • F (718) 636-0900

www.hydrotechenvironmental.com

Phase II Environmental Site Assessment Report

1346 Blondell Avenue
Bronx, NY



Prepared For:
Exact Capital Group
477 Madison Avenue
New York, New York 10022

December 24, 2015

Hydro Tech Job No. 150311

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Bronx, New York

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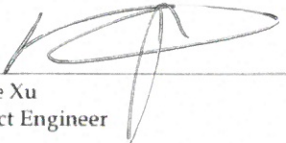
Hydro Tech Environmental, Corp. appreciates the opportunity to work for Exact Capital Group at the property located at 1346 Blondell Avenue in Bronx, New York.

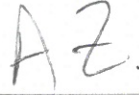
Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

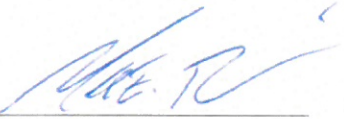
We declare that, to the best of my professional knowledge and belief, Hydro Tech personnel meet the definition of an environmental professional as defined in §312.10 of 40 C.F.R. Part 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Very Truly Yours,

Hydro Tech Environmental, Corp.

X 
Ruijie Xu
Project Engineer

X 
Adriana Zapata
Assistant Project Manager

X 
Mark E. Robbins, C.P.G., C.E.I.
Principal

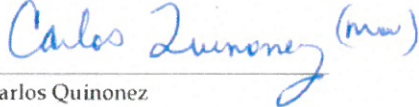
X 
Carlos Quinonez
Vice President



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1.0 EXECUTIVE SUMMARY

Hydro Tech Environmental, Corp. has performed a Phase II Environmental Site Assessment (Phase II ESA) at the property located at 1346 Blondell Avenue (Block 4133, Lot 12 and northern portion of Lot 8 and Block 4134, Lots 1, 2, 4, 62, 63 and 70), in the Westchester Square Section of Bronx, New York. This Phase II ESA was conducted on behalf of Exact Capital Group in response to the findings of prior Phase I and Phase II Environmental Site Assessment.

The Phase II ESA consisted of the performance of the installation and sampling of a series of soil probes and groundwater probes. A Hydro Tech geologist screened all soil samples in the field for organic vapors utilizing a Photoionization Detector. Select soil and groundwater samples were analyzed at a State-certified laboratory for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and TAL Metals.

The results of the Phase II ESA are contained in this report. Petroleum related VOCs were detected in soil samples beneath the northern portion of the Site at concentrations exceeding their respective Unrestricted SCOs. SVOCs characterized as PAHs and metals most likely related to urban fill materials were detected in soil throughout the Site at concentrations greater than their respective regulatory standards. Based upon the findings of the investigation, the impact appears to be the residual affect from a closed spill incident.

No VOCs or SVOCs were identified in the groundwater at concentrations exceeding their respective GQS. Three dissolved metals including magnesium, manganese and sodium were identified in the groundwater at concentrations exceeding their respective GQS.

No effort has been made to perform any investigation beyond what is included in this report. The observations included herein summarize the results of the environmental activities up to the date of the fieldwork and the date of this report.

The following sections provide the details and specific information pertaining to the various components of the Phase II ESA.

2.0 INTRODUCTION & SCOPE OF WORK

2.1 Introduction

Hydro Tech Environmental, Corp. (Hydro Tech) has been retained by Exact Capital Group (the "Client") to perform a Phase II Environmental Site Assessment (Phase II ESA) of the property located at 1346 Blondell Avenue in the Westchester Square Section of Bronx, New York. This property will hereafter be referred to as the "Site".

2.2 Site Description

The Site is an irregular shaped parcel with a total area of 48,290 square feet bounded by Ponton Avenue to the north, Blondell Avenue to the west and Fink Avenue to the south in the Westchester Square section of Bronx, New York. The Site is consisted of Block 4133, Lot 12 and northern portion of Lot 8 and Block 4134, Lots 1, 2, 4, 62, 63 and 70. Lot 1 is partially developed with a 2-story vacant residential building in the western portion and an asphalt yard in the eastern portion with a total area of 2,250-square feet. Lot 2 is partially developed with a 2-story auto repair formerly operated by Caveman Cycles in the western portion and a concrete yard surrounded by wire net fence in the eastern portion with a total area of 4,500-square feet. Lot 4 is partially developed with a 2-story vacant residential in the southwestern portion. The remaining portion of Lot 4 along with Lots 8, 12, 62, 63 and 70 are utilized as parking lot and auto junk yard that are primarily paved with asphalt except that the ramp in northwestern portion of Lot 4 is covered with gravel and Lots 12 and 62 are covered with concrete. The main access to the Site is via Blondell Avenue to the west and Fink Avenue to the south.

The vicinity of the Site consists of commercial properties. The topography of the Site is generally level and approximately 10 feet lower than Blondell Avenue. The topography of the area surrounding the Site is declined toward the east and south. **Figure 1** provides a Site Plan.

2.3 Geology & Hydrology

The Site is located in eastern portion of Bronx, New York. The elevation of the Subject Property is approximately 10 feet above mean sea level (USGS 7.5-Minute Brooklyn, New York Quadrangle, 2013).

The vicinity of the Subject Property is characterized by metamorphosed sequence of bedrock known as the Manhattan Prong of the Hartland Formation. The Hartland Formation was formed during the late Cambrian to early Ordovician period and consists of undivided pelitic schist with gneiss and amphibolite. The formation is frequently cross cut by transverse and parallel faults. The area is then overlain by Pleistocene-aged glacial till deposits.

The depth to water in the vicinity of the Subject Property is approximately 6 feet. The regional groundwater flow direction in the vicinity of the Site is presumed to be toward the south-southeast in the direction of Westchester Creek.

2.4 Objective & Project Goals

The objective of this Phase II ESA was to update the findings identified in a July 2006 Subsurface (Phase II) Investigation by AKRF, Inc. Specifically, these findings, as taken directly from the 2006 report, include:

- The presence of gasoline and/or other petroleum compounds in the soil beneath the northern portion of the Site such as m&p-Xylene (0.85 mg/Kg) could be related to either the onsite historic spills or the historic use of northern adjacent property as filling station;
- The presence of metals in soils throughout the Site, which are related to the presence of urban fill materials;
- The presence of trace amount of dissolved chromium in one groundwater sample.
- The presence of two closed NYSDEC spill incidents: #9708308 and #9710270

Appendix A provides the text portion of the Subsurface Investigation report.

All related portions of the fieldwork were performed, at a minimum, in accordance with acceptable industry standards. These acceptable industry standards include, but are not limited to, the ASTM Standard Guide

for Phase II Environmental Site Assessments (E 1903-11), the New York State Department of Environmental Conservation (NYSDEC) Bureau of Spill Prevention & Response Sampling Guidelines and Protocols, March 1991 and the DER-10 Technical Guidance for Site Investigation and Remediation, May 2010.

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT

3.1 Introduction

The investigation was accomplished through the performance of installation and sampling of six (6) soil probes and three (3) groundwater probes. Hydro Tech conducted the field portion of the investigation on December 17, 2015.

Prior to the performance of the fieldwork, an NYC One-Call Public Utility mark-out was requested. Confirmation number 153501442 was issued to the mark-out. **Appendix B** contains photographs of the fieldwork.

3.2 Fieldwork

Soil Probes

The soil probes were designated SP-1 through SP-6. The locations of SP-1 through SP-6 are consistent with the locations of soil borings designated as S-1, S-2, S-4, S-6, S-7 and S-8 installed by AKRF, Inc. during July 2006. SP-1, SP-2 were installed in the northern portion of the property. SP-3 and SP-4 were installed in the central portion of the property and SP-5 and SP-6 were installed in the southern portion of the property. **Figure 1** provides all sampling locations.

All soil probes were installed with Hydro Tech's fleet of Geoprobe® units. These units install soil probes utilizing direct-push technology. Soil samples were collected utilizing a four-foot long Macro core sampler fitted with dedicated acetate liners. Each sampler was installed with 1½-inch diameter drill rods.

SP-1, SP-2, SP-4 and SP-6 were installed to 12 feet below the grade and SP-3 and SP-5 were installed to 8 feet below the grade. All the soil probes were continuously sampled at consecutive 2-foot intervals. A Hydro Tech geologist performed infield characterization and screening of each soil sample utilizing the Unified Soil Classification System and a Photo Ionization Detector (PID). Urban fill materials including bricks, asphalt and concrete was identified during the investigation in shallow soil (to 2 feet in depth). The general soil type beneath the layer of fill materials consists of medium to fine grained sand with pebbles and gravels. Light petroleum odor and minor staining were identified in SP-2 between 4-10 feet and in SP-4 between 2-8 feet. No visual/olfactory evidence of petroleum or vapors were noted in any of the other soil samples. No detectable (<0.1 ppm) organic vapors were noted in any of the soil sample. **Appendix C** provides soil probe logs.

Based upon the in-field screening results, 1 soil sample from each probe was selected for confirmatory laboratory analysis. The samples selected include the zero to 2 foot samples from SP-3 and SP-6, the 2 to 4 foot sample from SP-4, the 4 to 6 foot sample from SP-1, the 6 to 8 foot sample from SP-5 and the 8 to 10 foot sample from SP-2. Each soil sample was placed into 2 pre-cleaned 8-ounce jars and 1 Terracore Set and properly labeled.

Groundwater Probes

Following the collection of soil samples, probes SP-2, SP-4 and SP-6 were converted into groundwater probes and were assigned the coordinating "GP" sampling designations GP-1, GP-2 and GP-3. Prior **Figure 1** provides the locations of the groundwater probes.

All groundwater probes were installed with Hydro Tech's fleet of Geoprobe® units. These units install groundwater probes utilizing direct-push technology. Each groundwater probe consisted of a 4-foot long screen with a slot size of 0.020 inches. The screen was placed so that it bisected the water table, which was encountered between 6 to 8 feet below grade.

Groundwater samples were obtained utilizing an inertial pump consisting of a stainless steel check valve and ball. The inertial pump was fitted with dedicated polyethylene tubing, which allowed the groundwater to be brought up to the ground surface for collection. Each groundwater sample was then placed into 3 pre-cleaned 40-milliliter (mL) vials preserved with hydrochloric acid (HCl), 1 pre-cleaned 250-ml plastic bottle preserved with nitric acid (HNO₃) and 2 pre-cleaned 1-liter (L) ambers and appropriately labeled

3.3 Laboratory Analyticals

All soil and groundwater samples were transmitted under proper chain of custody procedures to a State-certified laboratory. The soil samples were analyzed for volatile organic compounds (VOCs) in accordance with EPA 8260, semi-VOCs in accordance with EPA Method 8270BN and metals in accordance with EPA Method TAL Metals. Laboratory reports are provided as **Appendix D**.

4.0 ANALYTICAL RESULTS

4.1 Soil Results

Table 1 provides the results for the VOCs via EPA Method 8260 of the soil samples from SP-1 through SP-6. **Table 1** also provides a comparison to the Unrestricted Use, Restricted Residential Use, Residential Use and Commercial Use Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375. The concentrations reported in **Table 1** are in milligrams per kilogram (mg/kg).

As **Table 1** indicates, acetone was detected at a concentration of 0.13 mg/kg in SP-4, which exceeds its Unrestricted SCO. Petroleum related VOC m-&p-xylene was detected in SP-4 and SP-2 with the concentrations exceeding its Unrestricted SCO. No other VOCs were detected in any of the soil samples exceeding their respective method detection limits (MDLs).

As **Table 1** also indicates total SVOC concentrations range from 3.07 mg/kg in SP-6 to 259.8 mg/kg in SP-5. Individual SVOCs were detected in SP-3 and SP-5 at concentrations exceeding their respective Restricted Residential SCOs. These SVOCs consist of benzo(a)anthracene (max. 19 mg/kg), benzo(a)pyrene (max. 20 mg/kg), benzo(b)fluoranthene (max. 18 mg/kg), benzo(k)fluoranthene (max. 15 mg/kg), chrysene (max. 20 mg/kg), dibenzo(a,h)anthracene (2.9 mg/kg) and indeno (1,2,3-cd) pyrene (max. 14 mg/kg). Among these detections, the concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno (1,2,3-cd) pyrene also exceed their respective SCOs for Commercial Use. SVOCs were also detected in shallow samples of SP-4 and SP-6 at concentrations below their respective Unrestricted SCOs. No other SVOCs were detected in any of the other soil samples at concentrations exceeding their MDLs.

As **Table 1** further indicates metals including cadmium, copper, lead, nickel and zinc were commonly detected throughout the Site at concentrations exceeding their respective Unrestricted SCOs with the exception of SP-1. Among these detections, cadmium (max. 6.92 mg/kg), lead (max. 516 mg/kg) and zinc (max. 4,910 mg/kg) were detected in SP-3, SP-4 and SP-5 at concentrations exceeding their respective Restricted Residential/Residential SCOs. In SP-5, arsenic (34.8 mg/kg), copper (max. 616 mg/kg), lead (1,730 mg/kg) were detected at concentrations exceeding their respective SCOs for Commercial Use. No other metals were detected at concentrations exceeding their respective Unrestricted SCOs.

4.2 Groundwater Results

Table 2 provides the EPA Method 8260, EPA Method 8270BN and TAL Metals results of the groundwater samples from GP-1 through GP-3. **Table 2** also provides a comparison to 6 NYCRR Part 703.5 Class Groundwater Quality Standards (GQS). The concentrations reported in **Table 2** are in micrograms per liter (ug/L).

As **Table 2** indicates, individual VOCs including chloroform (1.3 ug/L) and methyl t-butyl ether (MTBE) 2.2 ug/L) were detected in the groundwater samples from GP-2 and GP-3, respectively at concentrations less than their respective GQS. No other VOCs were detected in any of the groundwater samples at concentrations exceeding their respective method detection limits (MDLs).

As **Table 2** also indicates, no SVOCs were detected in any of the groundwater samples at concentrations exceeding their respective MDLs.

As **Table 2** further indicates, undissolved metals including arsenic, barium, beryllium, cadmium, chromium, copper, lead, magnesium, manganese, nickel and sodium were detected in all groundwater samples at concentrations exceeding their respective GQS. Among these, dissolved metals including magnesium (max. 48,900 ug/L), manganese (max. 9,830 ug/L) and sodium (max. 302,000 ug/L) are detected at concentrations exceeding their respective GQS. No other detected dissolved metals were detected at concentrations exceeding their respective GQS.

5.0 DISCUSSION OF RESULTS

5.1 Soil Quality

Petroleum related VOC, m- & p-xylene was detected at concentrations exceeding its Unrestricted SCO in soils beneath the northern portion of the Site, which is evidenced by the results of SP-2 and SP-4 and also by the petroleum-like odor detected during the soil sampling. This is consistent with the finding from previous Subsurface Investigation. No other VOCs were detected in any other soil samples as evidenced by the analytical results of SP-1, SP-3, SP-5 and SP-6. This is also evidenced by the absence of visual/olfactory and detectable levels of organic vapors of organic constituents identified during the field screening of soil samples from these borings.

The presence of acetone in several samples is likely the result of laboratory contamination and is not reflective of actual site conditions.

SVOCs were detected in the soil to a depth of 8 feet in the south and southeastern portions of the Site at concentrations exceeding Restricted Residential SCOs and Commercial SCOs, as evidenced by the analytical results of soil samples from SP-3 through SP-5. These SVOCs consisted benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno (1,2,3-cd) pyrene, which could be specifically characterized as Polycyclic Aromatic Hydrocarbons (PAHs).

Metals including arsenic, cadmium, copper, lead, nickel and zinc were commonly detected in all depth of the soil beneath the entire Site exceeding their respective Restricted Residential SCOs and Commercial SCOs as evidenced by the results of SP-2 through SP-6. The presence of PAHs and metals could be likely related to the presence of urban fill materials beneath the Site at various depths as also evidenced by the soil probe logs.

The results identified in this report also correlate with the findings from the Phase II ESA performed by AKRF during July 2006 which also identified BTEX compounds associated with gasoline contamination in the location of Hydro Techs boring locations at SP-2 and SP-4 which are in the locations of AKRF previously installed boring locations of S-2 and S-4. Based upon the findings of this investigation, it appears that the impacts identified during this investigation are the residual effects from the closed spill incidents. A detail summary of the findings from the Phase II investigation from AKRF can be found in **Appendix A**.

5.2 Groundwater Quality

The results of the groundwater sampling indicate no organic compounds including VOCs or SVOCs, were detected at concentrations in exceedance of their GQS standards. This is evidenced by the analytical results of groundwater samples from GP-1 through GP-3. Three dissolved metals, magnesium, manganese and sodium were detected in GP-1 through GP-3 at concentrations exceeding their respective GQS.

6.0 CONCLUSIONS

Based upon the findings of the investigation, the following conclusions are provided:

- Petroleum related VOCs were detected in soil samples beneath the northern portion of the Site at concentrations exceeding their respective Unrestricted SCOs and a petroleum odor was also detected in these samples during soil screening;
- SVOCs characterized as PAHs and metals most likely related to urban fill materials were detected in soil throughout the Site at concentrations greater than their respective regulatory standards.
- No VOCs or SVOCs were identified in the groundwater above their respective GQS.
- Three dissolved metals including magnesium, manganese and sodium were identified in the groundwater at concentrations exceeding their respective GQS.
- The impacts identified during this investigation appear to be the effects of the closed NYSDEC spill incident.

7.0 RECOMMENDATIONS

Based upon the conclusions put forth in this report, the following recommendations are provided:

- If any soil is to be disturbed, proper screening techniques should be implemented and any soil generated for disposal should be managed in accordance with respective regulations.

8.0 REFERENCES

- AKRF Phase I Environmental Site Assessment (ESA) February, 2006.
- AKRF Subsurface (Phase II) Investigation (July, 2006): AKRF Project Number: 10735
- American Society for Testing Materials. (2011). *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, ASTM E1901-11. West Coshohocken. doi:10.1520/E1903-11
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- Walton, W. C. (1991). *Principals of Groundwater Engineering*. Chelsea, Michigan: Lewis Publishers, Inc.

9.0 EXCLUSIONS & DISCLAIMERS

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

In preparing this report, Hydro Tech Environmental, Corp. may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Hydro Tech Environmental, Corp. at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, Hydro Tech Environmental, Corp. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

Observations were made of the subject property and of structures on the Subject Property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, Hydro Tech Environmental, Corp. renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non-hazardous or hazardous materials, in that portion of the subject property or structure. In addition, Hydro Tech Environmental, Corp. renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

Hydro Tech Environmental, Corp. did not perform testing or analyses to determine the presence or concentration of asbestos at the subject property or in the environment of the subject property under the scope of the services performed.

The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where an outside laboratory has conducted such analyses, Hydro Tech Environmental, Corp. has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

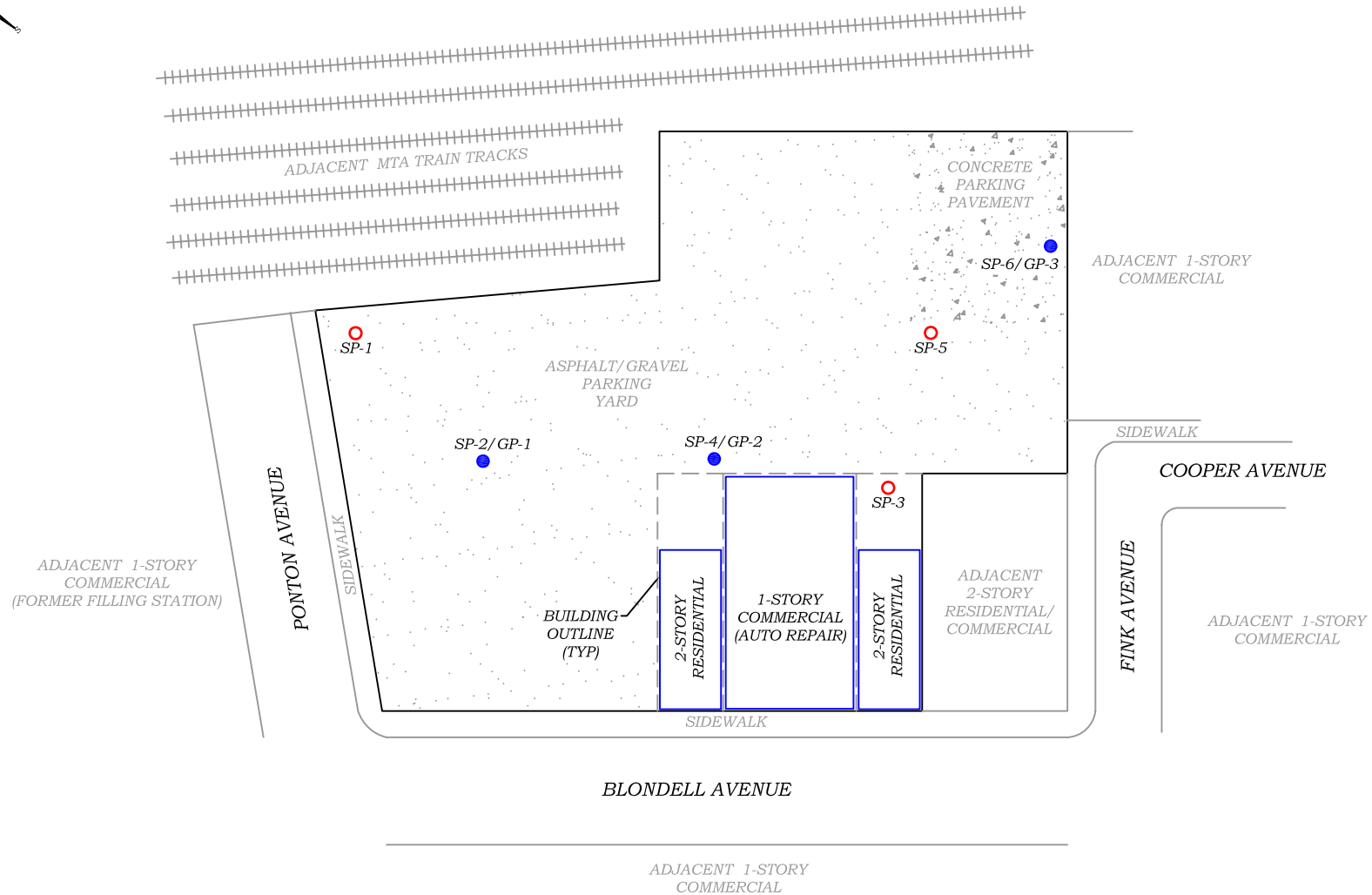
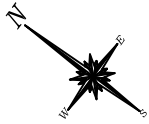
The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses have been performed for specific constituents during the course of this subject property assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study might be present in soil and/or groundwater at the subject property.

Any GPR survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. Hydro Tech Environmental, Corp. does not accept responsibility for survey limitations due to inherent technological limitations or site specific conditions, however, made appropriate effort to identify and notify the client of such limitations and conditions. In particular, please note that the survey described above does not represent a full utility clearance survey, and does not relieve any party of applicable legal obligations to notify a utility one-call service prior to excavating or drilling.

Figures

1. Site Plan



LEGEND:

- SOIL PROBE LOCATIONS (SP)
- SOIL / GROUNDWATER PROBE LOCATIONS (SP/GP)



HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788
T (631)462-5866 F (631)462-5877
www.hydrotechenvironmental.com

NYC OFFICE:
15 OCEAN AVENUE, 2nd Floor
BROOKLYN, NEW YORK 11225
T (718)636-0800 F (718)636-0900

1346 Blondell Avenue
Bronx, NY.
HTE Job # 150311

Drawn By: C.Q.
Reviewed By: C.Q.
Approved By: M.R.
Date: 12/22/15
Scale: AS NOTED

TITLE:

FIGURE 1: SITE & SAMPLING PLAN

Tables

Table 1
Soil Samples Analytical Results for VOCs
1346 Blondell Avenue, Bronx, NY

Sample ID	SP-1 4-6 FT		SP-2 8-10 FT		SP-3 0-2 FT		SP-4 2-4 FT		SP-5 6-8 FT		SP-6 0-2 FT		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Commercial
Sampling Date	12/17/2015		12/17/2015		12/17/2015		12/17/2015		12/17/2015		12/17/2015					
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil					
Compound	Result		Result		Result		Result		Result		Result					
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,1,1-Trichloroethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	0.68	100	100	500
1,1,2,2-Tetrachloroethane	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,1,2-Trichloroethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,1-Dichloroethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	0.27	19	26	240
1,1-Dichloroethene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	0.33	100	100	500
1,1-Dichloropropene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,2,3-Trichlorobenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,2,3-Trichloropropane	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,2,4-Trichlorobenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,2,4-Trimethylbenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	3.6	47	52	190
1,2-Dibromo-3-chloropropane	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,2-Dibromoethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,2-Dichlorobenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	1.1	100	100	500
1,2-Dichloroethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	0.02	2.3	3.1	30
1,2-Dichloropropane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,3,5-Trimethylbenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	8.4	47	52	190
1,3-Dichlorobenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	2.4	17	49	280
1,3-Dichloropropane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
1,4-Dichlorobenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	1.8	9.8	13	130
2,2-Dichloropropane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
2-Chlorotoluene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
2-Hexanone	< 0.025	U	< 3.9	U	< 0.03	U	< 0.025	U	< 0.028	U	< 0.028	U	NS	NS	NS	NS
2-Isopropyltoluene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
4-Chlorotoluene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
4-Methyl-2-pentanone	< 0.025	U	< 3.9	U	< 0.03	U	< 0.025	U	< 0.028	U	< 0.028	U	NS	NS	NS	NS
Acetone	< 0.025	U	< 3.9	U	< 0.05	U	0.13		< 0.028	U	< 0.028	U	0.05	100	100	500
Acrylonitrile	< 0.01	U	< 1.6	U	< 0.012	U	< 0.01	U	< 0.011	U	< 0.011	U	NS	NS	NS	NS
Benzene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	0.06	2.9	4.8	44
Bromobenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Bromochloromethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Bromodichloromethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Bromoform	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Bromomethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Carbon Disulfide	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Carbon tetrachloride	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	0.76	1.4	2.4	22
Chlorobenzene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	1.1	100	100	500
Chloroethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Chloroform	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	0.37	10	49	350
Chloromethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
cis-1,2-Dichloroethene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	0.25	59	100	500
cis-1,3-Dichloropropene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Dibromochloromethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Dibromomethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Dichlorodifluoromethane	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Ethylbenzene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	1	30	41	390
Hexachlorobutadiene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
Isopropylbenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
m&p-Xylene	< 0.005	U	0.85		< 0.0061	U	0.0068		< 0.0055	U	< 0.0057	U	0.26	100	100	500
Methyl Ethyl Ketone	< 0.025	U	< 3.9	U	< 0.03	U	< 0.025	U	< 0.028	U	< 0.028	U	0.12	100	100	500
Methyl t-butyl ether (MTBE)	< 0.01	U	< 1.6	U	< 0.012	U	< 0.01	U	< 0.011	U	< 0.011	U	0.93	62	100	500
Methylene chloride	< 0.01	U	< 1.6	U	< 0.012	U	< 0.01	U	< 0.011	U	< 0.011	U	0.05	51	100	500
Naphthalene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
n-Butylbenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	12	100	100	500
n-Propylbenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	3.9	100	100	500
o-Xylene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
p-Isopropyltoluene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
sec-Butylbenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	11	100	100	500
Styrene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	NS	NS	NS	NS
tert-Butylbenzene	< 0.005	U	< 0.79	U	< 0.71	U	< 0.54	U	< 0.0055	U	< 0.0057	U	5.9	100	100	500
Tetrachloroethene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0.0057	U	1.3	5.5	19	150
Tetrahydrofuran (THF)	< 0.01	U	< 1.6	U	< 0.012	U	< 0.01	U	< 0.011	U	< 0.011	U	NS	NS	NS	NS
Toluene	< 0.005	U	< 0.79	U	< 0.0061	U	< 0.0051	U	< 0.0055	U	< 0					

NOTES:

Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Table 1 (Cont'd)
Soil Samples Analytical Results for SVOCs
1346 Blondell Avenue, Bronx, NY

Sample ID	SP-1 4-6 FT		SP-2 8-10 FT		SP-3 0-2 FT		SP-4 2-4 FT		SP-5 6-8 FT		SP-6 0-2 FT		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Commercial
Sampling Date	12/17/2015		12/17/2015		12/17/2015		12/17/2015		12/17/2015		12/17/2015					
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil					
Compound	Result		Result		Result		Result		Result		Result					
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg	mg/Kg	mg/Kg
1,2-Dichlorobenzene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
1,2-Diphenylhydrazine	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
1,3-Dichlorobenzene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
1,4-Dichlorobenzene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
2,4-Dinitrotoluene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
2,6-Dinitrotoluene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
2-Chloronaphthalene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
2-Methylnaphthalene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
2-Nitroaniline	< 1.1	U	< 1.2	U	< 5.4	U	< 60	U	< 12	U	< 1.1	U	NS	NS	NS	NS
3,3'-Dichlorobenzidine	< 1.6	U	< 1.7	U	< 7.4	U	< 83	U	< 17	U	< 1.5	U	NS	NS	NS	NS
3-Nitroaniline	< 1.1	U	< 1.2	U	< 5.4	U	< 60	U	< 12	U	< 1.1	U	NS	NS	NS	NS
4-Bromophenyl phenyl ether	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
4-Chloroaniline	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
4-Nitroaniline	< 1.1	U	< 1.2	U	< 5.4	U	< 60	U	< 12	U	< 1.1	U	NS	NS	NS	NS
Acenaphthene	< 0.28	U	< 0.29	U	2		< 14	U	< 2.9	U	< 0.26	U	20	100	100	500
Acenaphthylene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	100	100	100	500
Anthracene	< 0.28	U	< 0.29	U	3.2		< 14	U	9		< 0.26	U	100	100	100	500
Benz(a)anthracene	< 0.28	U	< 0.29	U	11		< 14	U	19		< 0.26	U	1	1	1	5.6
Benzidine	< 0.39	U	< 0.42	U	< 1.9	U	< 21	U	< 4.1	U	< 0.38	U	NS	NS	NS	NS
Benzo(a)pyrene	< 0.28	U	< 0.29	U	11		< 14	U	20		0.28		1	1	1	1
Benzo(b)fluoranthene	< 0.28	U	< 0.29	U	16		< 14	U	18		0.3		1	1	1	5.6
Benzo(ghi)perylene	< 0.28	U	< 0.29	U	6.1		< 14	U	12		0.56		100	100	100	500
Benzo(k)fluoranthene	< 0.28	U	< 0.29	U	11		< 14	U	15		< 0.26	U	0.8	1	3.9	56
Benzoic acid	< 0.79	U	< 0.84	U	< 3.7	U	< 41	U	< 8.3	U	< 0.75	U	NS	NS	NS	NS
Benzyl alcohol	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Benzyl butyl phthalate	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Bis(2-chloroethoxy)methane	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Bis(2-chloroethyl)ether	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Bis(2-chloroisopropyl)ether	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	< 0.28	U	< 0.29	U	4.8		20		< 2.9	U	< 0.26	U	NS	NS	NS	NS
Chrysene	< 0.28	U	< 0.29	U	15		< 14	U	20		0.27		1	1	3.9	56
Dibenz(a,h)anthracene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	2.9		< 0.26	U	0.33	0.33	0.33	0.56
Dibenzofuran	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Diethyl phthalate	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Dimethylphthalate	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Di-n-butylphthalate	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Di-n-octylphthalate	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Fluoranthene	< 0.28	U	< 0.29	U	22		< 14	U	45		0.53		100	100	100	500
Fluorene	< 0.28	U	< 0.29	U	1.7		< 14	U	3.9		< 0.26	U	30	100	100	500
Hexachlorobenzene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Hexachlorobutadiene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Hexachlorocyclopentadiene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Hexachloroethane	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	< 0.28	U	< 0.29	U	7.2		< 14	U	14		0.39		0.5	0.5	0.5	5.6
Isophorone	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Naphthalene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	12	100	100	500
Nitrobenzene	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
N-Nitrosodimethylamine	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
N-Nitrosodi-n-propylamine	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
N-Nitrosodiphenylamine	< 0.28	U	< 0.29	U	< 1.3	U	< 14	U	< 2.9	U	< 0.26	U	NS	NS	NS	NS
Phenanthrene	< 0.28	U	< 0.29	U	12		< 14	U	41		0.29		100	100	100	500
Pyrene	< 0.28	U	< 0.29	U	19		< 14	U	40	U	0.45		100	100	100	500
Total SVOCs	ND		ND		142		20		259.8		3.07		NS	NS	NS	NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential

= sample exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Commercial

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

Table 1 (Cont'd)
Soil Samples Analytical Results for Metals
1346 Blondell Avenue, Bronx, NY

Sample ID	SP-1 4-6 FT		SP-2 8-10 FT		SP-3 0-2 FT		SP-4 2-4 FT		SP-5 6-8 FT		SP-6 0-2 FT		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Commercial
Sampling Date	12/17/2015		12/17/2015		12/17/2015		12/17/2015		12/17/2015		12/17/2015					
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil					
Compound	Result		Result		Result		Result		Result		Result					
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	19,900		25,100		6,460		11,500		6,650		11,500		NS	NS	NS	NS
Antimony	< 3.6	U	< 4.4	U	< 3.6	U	5.9		12.6		< 3.6	U	NS	NS	NS	NS
Arsenic	1.6		1.7		5.7		9.3		34.8		2.9		13	16	16	16
Barium	152		166		151		318		151		138		350	350	400	400
Beryllium	0.53		0.55		0.32		0.5		< 0.33	U	0.46		7.2	14	72	590
Cadmium	< 0.36	U	< 0.44	U	2.77		6.92		5.98		< 0.36	U	2.5	2.5	4.3	9.3
Calcium	1,360		1,530		19,000		19,900		13,100		14,600		NS	NS	NS	NS
Chromium	42.9		52.2		27.7		51.9		33.2		24.1		NS	NS	NS	NS
Cobalt	16.4		16.6		5.14		10.6		10.9		10		NS	NS	NS	NS
Copper	40.5		48.8		100		200		616		38.5		50	270	270	270
Iron	29,300		30,900		18,700		27,700		92,100		20,100		NS	NS	NS	NS
Lead	3.96		6.23		502		516		1,730		356		63	400	400	1,000
Magnesium	6,170		8,840		4,040		11,400		3,620		5,150		NS	NS	NS	NS
Manganese	503		294		221		269		259		261		1,600	2,000	2,000	10,000
Mercury	< 0.03	U	< 0.03	U	0.29		NT		NT		NT		0.18	0.81	0.81	2.8
Nickel	28.6		33.4		24.4		44.8		24.4		20.6		30	140	310	310
Potassium	5,650		6,060		1,120		1,900		1,320		2,800		NS	NS	NS	NS
Selenium	< 1.5	U	< 1.8	U	< 1.5	U	< 1.5	U	< 1.7	U	< 1.4	U	3.9	36	180	1,500
Silver	< 0.36	U	< 0.44	U	< 0.36	U	0.49		0.44		< 0.36	U	2	36	180	1,500
Sodium	238		320		507		764		417		226		NS	NS	NS	NS
Thallium	< 3.3	U	< 4.0	U	< 3.3	U	< 3.4	U	< 3.7	U	< 3.2	U	NS	NS	NS	NS
Vanadium	47.8		55.3		50.5		89.9		23		35.7		NS	NS	NS	NS
Zinc	46.8		84.5		387		1,500		4,910		108		109	2,200	10,000	10,000

NOTES:

Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

= sample exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential

= sample exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Commercial

Q is the Qualifier Column with definitions as follows:

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NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

NT=this indicates the analyte was not a target for this sample

Table 2
Groundwater Samples Analytical Results for VOCs
1346 Blondell Avenue, Bronx, NY

Sample ID	GP-1		GP-2		GP-3		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	12/17/2015		12/17/2015		12/17/2015		
Client Matrix	Ground Water		Ground Water		Ground Water		
Units	ug/L	Q	ug/L	Q	ug/L	Q	
1,1,1,2-Tetrachloroethane	< 1.0	U	< 1.0	U	< 2.0	U	5
1,1,1-Trichloroethane	< 1.0	U	< 1.0	U	< 2.0	U	5
1,1,2,2-Tetrachloroethane	< 0.50	U	< 0.50	U	< 1.0	U	5
1,1,2-Trichloroethane	< 1.0	U	< 1.0	U	< 2.0	U	1
1,1-Dichloroethane	< 1.0	U	< 1.0	U	< 2.0	U	5
1,1-Dichloroethene	< 1.0	U	< 1.0	U	< 2.0	U	5
1,1-Dichloropropene	< 1.0	U	< 1.0	U	< 2.0	U	5
1,2,3-Trichlorobenzene	< 1.0	U	< 1.0	U	< 2.0	U	NS
1,2,3-Trichloropropane	< 1.0	U	< 1.0	U	< 2.0	U	0.04
1,2,4-Trichlorobenzene	< 1.0	U	< 1.0	U	< 2.0	U	NS
1,2,4-Trimethylbenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
1,2-Dibromo-3-chloropropane	< 1.0	U	< 1.0	U	< 2.0	U	0.04
1,2-Dibromoethane	< 1.0	U	< 1.0	U	< 2.0	U	0.0006
1,2-Dichlorobenzene	< 1.0	U	< 1.0	U	< 2.0	U	NS
1,2-Dichloroethane	< 0.60	U	< 0.60	U	< 1.2	U	0.6
1,2-Dichloropropane	< 1.0	U	< 1.0	U	< 2.0	U	1
1,3,5-Trimethylbenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
1,3-Dichlorobenzene	< 1.0	U	< 1.0	U	< 2.0	U	3
1,3-Dichloropropane	< 1.0	U	< 1.0	U	< 2.0	U	5
1,4-Dichlorobenzene	< 1.0	U	< 1.0	U	< 2.0	U	NS
2,2-Dichloropropane	< 1.0	U	< 1.0	U	< 2.0	U	5
2-Chlorotoluene	< 1.0	U	< 1.0	U	< 2.0	U	5
2-Hexanone	< 5.0	U	< 5.0	U	< 10	U	50
2-Isopropyltoluene	< 1.0	U	< 1.0	U	< 2.0	U	5
4-Chlorotoluene	< 1.0	U	< 1.0	U	< 2.0	U	5
4-Methyl-2-pentanone	< 5.0	U	< 5.0	U	< 10	U	NS
Acetone	< 25	U	< 25	U	< 50	U	50
Acrylonitrile	< 5.0	U	< 5.0	U	< 10	U	5
Benzene	< 0.70	U	< 0.70	U	< 1.4	U	1
Bromobenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
Bromochloromethane	< 1.0	U	< 1.0	U	< 2.0	U	5
Bromodichloromethane	< 0.50	U	< 0.50	U	< 1.0	U	50
Bromoform	< 1.0	U	< 1.0	U	< 2.0	U	50
Bromomethane	< 1.0	U	< 1.0	U	< 2.0	U	5
Carbon Disulfide	< 5.0	U	< 5.0	U	< 10	U	NS
Carbon tetrachloride	< 1.0	U	< 1.0	U	< 2.0	U	5
Chlorobenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
Chloroethane	< 1.0	U	< 1.0	U	< 2.0	U	5
Chloroform	< 1.0	U	1.3		< 2.0	U	7
Chloromethane	< 1.0	U	< 1.0	U	< 2.0	U	5
cis-1,2-Dichloroethene	< 1.0	U	< 1.0	U	< 2.0	U	5
cis-1,3-Dichloropropene	< 0.40	U	< 0.40	U	< 0.80	U	0.4
Dibromochloromethane	< 0.50	U	< 0.50	U	< 1.0	U	50
Dibromomethane	< 1.0	U	< 1.0	U	< 2.0	U	5
Dichlorodifluoromethane	< 1.0	U	< 1.0	U	< 2.0	U	5
Ethylbenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
Hexachlorobutadiene	< 0.40	U	< 0.40	U	< 0.80	U	0.5
Isopropylbenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
m&p-Xylene	< 1.0	U	< 1.0	U	< 2.0	U	NS
Methyl ethyl ketone	< 5.0	U	< 5.0	U	< 10	U	50
Methyl t-butyl ether (MTBE)	< 1.0	U	< 1.0	U	2.2		10
Methylene chloride	< 1.0	U	< 1.0	U	< 2.0	U	5
Naphthalene	< 1.0	U	< 1.0	U	< 2.0	U	10
n-Butylbenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
n-Propylbenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
o-Xylene	< 1.0	U	< 1.0	U	< 2.0	U	5
p-Isopropyltoluene	< 1.0	U	< 1.0	U	< 2.0	U	5
sec-Butylbenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
Styrene	< 1.0	U	< 1.0	U	< 2.0	U	5
tert-Butylbenzene	< 1.0	U	< 1.0	U	< 2.0	U	5
Tetrachloroethene	< 1.0	U	< 1.0	U	< 2.0	U	5
Tetrahydrofuran (THF)	< 2.5	U	< 2.5	U	< 5.0	U	50
Toluene	< 1.0	U	< 1.0	U	< 2.0	U	5
Total Xylenes	< 1.0	U	< 1.0	U	< 2.0	U	5
trans-1,2-Dichloroethene	< 1.0	U	< 1.0	U	< 2.0	U	5
trans-1,3-Dichloropropene	< 0.40	U	< 0.40	U	< 0.80	U	0.4
trans-1,4-dichloro-2-butene	< 5.0	U	< 5.0	U	< 10	U	5
Trichloroethene	< 1.0	U	< 1.0	U	< 2.0	U	5
Trichlorofluoromethane	< 1.0	U	< 1.0	U	< 2.0	U	5
Trichlorotrifluoroethane	< 1.0	U	< 1.0	U	< 2.0	U	5
Vinyl chloride	< 1.0	U	< 1.0	U	< 2.0	U	2
Total VOCs	ND		1.3		2.2		NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

Table 2 (Cont'd)
Groundwater Samples Analytical Results for SVOCs
1346 Blondell Avenue, Bronx, NY

Sample ID	GP-1		GP-2		GP-3		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	12/17/2015		12/17/2015		12/17/2015		
Client Matrix	Ground Water		Ground Water		Ground Water		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
1,2,4-Trichlorobenzene	< 5.0	U	< 5.4	U	< 5.0	U	NS
1,2-Dichlorobenzene	< 3.0	U	< 3.2	U	< 3.0	U	NS
1,2-Diphenylhydrazine	< 5.0	U	< 5.4	U	< 5.0	U	NS
1,3-Dichlorobenzene	< 3.0	U	< 3.0	U	< 3.0	U	3
1,4-Dichlorobenzene	< 3.0	U	< 3.2	U	< 3.0	U	NS
2,4-Dinitrotoluene	< 5.0	U	< 5.0	U	< 5.0	U	5
2,6-Dinitrotoluene	< 5.0	U	< 5.0	U	< 5.0	U	5
2-Chloronaphthalene	< 5.0	U	< 5.4	U	< 5.0	U	10
2-Methylnaphthalene	< 5.0	U	< 5.4	U	< 5.0	U	NS
2-Nitroaniline	< 5.0	U	< 5.0	U	< 5.0	U	5
3,3'-Dichlorobenzidine	< 5.0	U	< 5.0	U	< 5.0	U	5
3-Nitroaniline	< 5.0	U	< 5.0	U	< 5.0	U	5
4-Bromophenyl phenyl ether	< 5.0	U	< 5.4	U	< 5.0	U	NS
4-Chloroaniline	< 5.0	U	< 5.0	U	< 5.0	U	5
4-Chlorophenyl phenyl ether	< 5.0	U	< 5.4	U	< 5.0	U	NS
4-Nitroaniline	< 5.0	U	< 5.0	U	< 5.0	U	5
Acenaphthene	< 5.0	U	< 5.4	U	< 5.0	U	20
Anthracene	< 5.0	U	< 5.4	U	< 5.0	U	50
Benzidine	< 5.0	U	< 5.0	U	< 5.0	U	5
Benzo(ghi)perylene	< 5.0	U	< 5.0	U	< 5.0	U	NS
Benzoic acid	< 50	U	< 50	U	< 50	U	NS
Benzyl Alcohol	< 20	U	< 22	U	< 20	U	NS
Benzyl butyl phthalate	< 5.0	U	< 5.4	U	< 5.0	U	50
Bis(2-chloroethoxy)methane	< 5.0	U	< 5.0	U	< 5.0	U	5
Bis(2-chloroethyl)ether	< 1.0	U	< 1.0	U	< 1.0	U	1
Bis(2-chloroisopropyl)ether	< 1.0	U	< 1.1	U	< 1.0	U	NS
Bis(2-ethylhexyl)phthalate	< 5.0	U	< 5.0	U	< 5.0	U	5
Dibenzofuran	< 5.0	U	< 5.0	U	< 5.0	U	NS
Diethyl phthalate	< 5.0	U	< 5.4	U	< 5.0	U	50
Dimethylphthalate	< 5.0	U	< 5.4	U	< 5.0	U	50
Di-n-butylphthalate	< 5.0	U	< 5.4	U	< 5.0	U	50
Di-n-octylphthalate	< 5.0	U	< 5.4	U	< 5.0	U	50
Fluoranthene	< 5.0	U	< 5.4	U	< 5.0	U	50
Fluorene	< 5.0	U	< 5.4	U	< 5.0	U	50
Hexachlorocyclopentadiene	< 5.0	U	< 5.0	U	< 5.0	U	5
Hexachloroethane	< 5.0	U	< 5.0	U	< 5.0	U	5
Isophorone	< 5.0	U	< 5.4	U	< 5.0	U	50
Naphthalene	< 5.0	U	< 5.0	U	< 5.0	U	10
N-Nitrosodimethylamine	< 5.0	U	< 5.4	U	< 5.0	U	NS
N-Nitrosodi-n-propylamine	< 5.0	U	< 5.4	U	< 5.0	U	NS
N-Nitrosodiphenylamine	< 5.0	U	< 5.4	U	< 5.0	U	50
Pyrene	< 5.0	U	< 5.4	U	< 5.0	U	50
Total SVOCs	ND		ND		ND		NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

Table 2 (Cont'd)
Groundwater Samples Analytical Results for Metals
1346 Blondell Avenue, Bronx, NY

Sample ID	GP-1		GP-2		GP-3		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	12/17/2015		12/17/2015		12/17/2015		
Client Matrix	Ground Water		Ground Water		Ground Water		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
Metals							
Aluminum	125,000		144,000		137,000		NS
Antimony	< 5	U	< 5	U	< 5	U	3
Arsenic	6		11		48		25
Barium	1,480		2,300		593		1000
Beryllium	6		4		5		3
Cadmium	7		6		16		5
Calcium	184,000		104,000		184,000		NS
Chromium	454		327		293		50
Cobalt	101		87		141		NS
Copper	1,020		425		812		200
Iron	208,000		191,000		648,000		NS
Lead	133		101		299		25
Magnesium	73,700		69,900		71,000		35000
Manganese	2,710		16,300		15,900		300
Mercury	< 0.2	U	< 0.2	U	< 0.2	U	0.7
Nickel	377		252		303		100
Potassium	41,000		47,800		44,100		NS
Selenium	< 10	U	< 10	U	< 10	U	10
Silver	< 1	U	< 1	U	< 1	U	50
Sodium	314,000		99,000		176,000		20000
Vanadium	251,000		273		255		NS
Zinc	1,110		766		734		2000
Dissolved Metals							
Aluminum	169		126		< 11	U	NS
Antimony	< 5	U	< 5	U	< 5	U	3
Arsenic	< 4	U	< 4	U	< 4	U	25
Barium	370		246		64		1000
Beryllium	< 1	U	< 1	U	< 1	U	3
Cadmium	< 1	U	< 1	U	< 1	U	5
Calcium	169,000		90,400		190,000		NS
Chromium	< 1	U	< 1	U	< 1	U	50
Cobalt	4		2		11		NS
Copper	< 5	U	< 5	U	< 5	U	200
Iron	6,000		42		11,900		NS
Lead	< 2	U	3		< 2	U	25
Magnesium	45,300		20,200		48,900		35000
Manganese	653		674		9,830		300
Nickel	14		9		17		100
Potassium	15,600		11,300		28,600		NS
Selenium	< 2	U	< 2	U	< 2	U	10
Silver	< 1	U	< 1	U	< 1	U	50
Sodium	302,000		101,000		185,000		20000
Thallium	< 2	U	< 2	U	< 2	U	NS
Vanadium	< 2	U	< 2	U	< 2	U	NS
Zinc	35		28		23		2000

NOTES:

Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC TOGS Standards and Guidance Values - GA

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Appendices

Appendix A

Previous Study

1346 Blondell Avenue

BRONX, NEW YORK

Subsurface (Phase II) Investigation

AKRF Project Number: 10735

Prepared for:

Storage Deluxe

50 Main Street, Suite 812
White Plains, New York 10606

Prepared by:



440 Park Avenue South, 7th Floor
New York, New York 10016
212-696-0670

JULY 2006

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation at the 1346 Blondell Avenue site in the Bronx, New York. The scope of the Phase II study included the advancement of eight soil borings and the collection of soil and groundwater samples for laboratory analysis. A site location map is provided as Figure 1.

The scope of the Phase II study was based on the results of a Phase I Environmental Site Assessment (ESA) conducted for the subject property by AKRF, dated February 2006. The assessment revealed the following environmental conditions in connection with the property:

- The subject property was listed twice on the closed status New York State Department of Environmental Protection (NYSDEC) spills database. On October 8, 1997, an unknown quantity of gasoline and waste oil was reported spilled onto the ground surface. The listing reported that spills from vehicles were a regular occurrence at the site and that tires were burned on a daily basis. This spill was closed in March 1998. A spill was reported on December 8, 1997 in which an unknown material and quantity was spilled at the property. The spill was closed in July 2003. According to John Mercorella, a representative of the property owner, an oil and gasoline spill had occurred in the northeastern portion of the site several years ago. Based on the details provided, this spill may be associated with the database listed on-site spill reported in October 1997, though this could not be positively confirmed. The surface pavement at the site was observed to be in poor condition and a portion of the site was surfaced with gravel. Surficial oil staining was observed by AKRF on visible exterior portions of the paved and gravel surfaces. These reported spills or releases from vehicles could have affected subsurface soil and groundwater.
- A 275-gallon storage tank was located in the basement of the northernmost dwelling at the site. Based on observations made during the site visit by AKRF, this tank may be a used oil tank operated by the south-adjacent motorcycle repair shop. A 275-gallon used oil aboveground storage tank was listed on the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) database for Boyle Auto Wreckers, Inc., a previous tenant of the 1346 Blondell Avenue property. It is possible that this listing represents the 275-gallon aboveground storage tank located in the basement of the residential dwelling. However, AKRF did not have access to the motorcycle repair shop building. Other petroleum storage tanks may be present inside this structure that could be related to the PBS listing for the subject site. In addition, a violation for an unregistered waste oil tank at the site was issued by the NYSDEC, as noted in the December 1997 spill listing for the site.
- The study site was labeled as an “Auto Junk Yard” on historic Sanborn maps from 1977 to 1996. Historic operations as a junk yard may have affected the subsurface soil and/or groundwater at the property.
- Historical land use maps, the regulatory database search, and results of the site reconnaissance indicated that the surrounding area has a long history of auto-related, manufacturing and light industrial operations. Such land use included the presence of historic gasoline filling stations directly across Ponton Avenue to the north and across Blondell Avenue to the southwest. Several fuel oil spills were noted in the NY SPILLS database in the area surrounding the subject site. Known and potential releases from these sites may have affected the local groundwater quality.

AKRF’s Phase II study was conducted on June 21, 2006. The study was intended to determine whether the subject property had been affected by current or former on- or off-site operations. This report describes methods and results of the Phase II investigation conducted by AKRF.

2.0 SITE DESCRIPTION AND HISTORY

The project site consisted of a 45,000-square foot property including a commercial parking lot, a two-story motorcycle repair shop building, and two residential dwellings along the western side of the property. The property was situated at an elevation approximately 10 feet lower than Blondell Avenue. An entrance ramp to the site was present on the northwestern corner of the property from Blondell Avenue. The site was primarily paved with asphalt; however, the ground surface in northwestern portion of the site, including the entrance ramp, appeared to be covered with gravel, and a rectangular concrete-paved area was located in the southeastern corner. The asphalt pavement was significantly deteriorated and the concrete pavement was significantly cracked and weathered. Several patches of oil staining were observed throughout the visible exterior ground surface of the property.

Historic Sanborn fire insurance maps indicated that the study site historically comprised vacant lots, residential dwellings, and an auto repair shop building. The site was also identified as an auto junk yard from 1977 to 1996. The history of the surrounding area included filling stations and auto repair shops. Rail yards were historically present north-northeast of the subject property.

3.0 TOPOGRAPHY AND HYDROGEOLOGY

The surface topography at the study site is generally level, though the general slope of the surrounding area is to the east and south. Based on reports compiled by the U.S. Geological Survey (USGS Topographic Map – Flushing Quadrangle), the property lies at an elevation of approximately 10 feet, based on the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). Surficial materials were observed to comprise sand and silt with fine gravel and contained some brick, concrete, wood, glass, and ash (i.e., urban fill).

During AKRF's Phase II investigation, groundwater was encountered at a depth of approximately six feet below surface grade. Based on topography, groundwater most likely flows in a south-southeasterly direction towards Westchester Creek, located approximately 800 feet south-southeast of the study site. However, actual groundwater flow at the site can be affected by many factors, including current and past pumping of groundwater; past filling activities; underground utilities and other subsurface openings or obstructions such as basements, subway lines or underground parking garages; bedrock geology; and other factors beyond the scope of this study. Groundwater in the Bronx is not used as a source of potable water.

4.0 FIELD ACTIVITIES

4.1 Soil Borings

On June 21, 2006, Zebra Environmental of Lynbrook, New York advanced eight soil borings at the subject property, as shown on Figure 2. The soil borings were advanced using a truck-mounted Geoprobe® direct push probe (DPP) unit. Soil samples were collected using four-foot long, two-inch diameter, macrocore piston rod samplers fitted with acetate liners. The soil borings were advanced to depths ranging from 8 to 12 feet below grade. Soil boring logs are provided in Appendix A.

Each sample was split lengthwise and logged by AKRF field personnel. Logging consisted of: describing the soil according to the modified Burmister Classification System; describing any evidence of contamination (e.g., staining, sheens, odors); and screening the soil for organic

vapors using a photoionization detector (PID) in one-foot intervals. One soil sample from each soil boring was selected for laboratory analysis based on PID response and visual indications of contamination (if any). Groundwater samples were collected from five of the eight soil boring locations. Groundwater samples were collected from temporary PVC well points installed in the soil borings. No permanent monitoring wells were installed.

Soil and groundwater samples designated for laboratory analysis were collected using dedicated sampling equipment, placed into laboratory-supplied containers and a chilled cooler, and submitted via courier to Alpha Analytical Laboratories located in Westborough, Massachusetts, a New York State Department of Health-certified laboratory. The samples were analyzed for volatile organics compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and priority pollutant (PP) metals. The groundwater analysis for metals was conducted on both unfiltered and filtered samples (i.e., total and dissolved metals analyses, respectively).

One trip blank accompanied the sample shipment for quality assurance/quality control (QA/QC) purposes, which was analyzed for VOCs by EPA Method 8260 only. No additional QA/QC samples were collected.

4.2 Field Observations and Analytical Results

Soil encountered during this investigation comprised sand and silt with fine gravel. Some brick, concrete, wood, glass, and ash were present in the soil, indicating that the soil was predominantly composed of urban fill. Groundwater was encountered at a depth of approximately six feet below surface grade.

Recovered soil at each boring was transferred from the sampler into sealable plastic bags. The headspace of each sample was screened for volatile organic compounds (VOCs) by placing the probe of a Model 580B photoionization detector (PID) inside the plastic bags. Headspace readings ranged from not detected (ND) in the majority of the soil screened to 1,232 parts per million (ppm) in soil sample S-6 (1'-3'). Petroleum-like odors were detected in soil borings S-1, S-2, S-3, S-4, and S-7. Some black staining was observed on the soil sample collected from soil boring S-3. Results of the field screening activities are provided in the soil boring logs in Appendix A.

5.0 LABORATORY ANALYTICAL RESULTS

5.1 Soil Analytical Results

Eight (8) discrete soil samples, one from each boring, were collected for laboratory analysis as part of this investigation. Soil sample analytical results were compared to the Recommended Soil Cleanup Objectives (RSCO) outlined in the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) 4046. Results of the soil metals analyses were also compared to established eastern United States background levels for soil in urban areas, as published in TAGM 4046. Soil descriptions, observations, and photoionization detector (PID) readings were recorded on the soil boring logs provided in Appendix A. The laboratory analytical data sheets are included in Appendix B.

Volatile Organic Compounds (VOCs)

A summary of the soil analytical results for volatile organic compounds (VOCs) is presented in Table 1. VOCs were detected in five of the eight soil samples analyzed, primarily at

concentrations below the TAGM RSCOs. The VOC analytical results for soil sample S-2 (2'-4') indicated significant concentrations of compounds typically related to gasoline contamination, including benzene, ethylbenzene, toluene, and xylenes (BTEX), as well as naphthalene and several benzene-related compounds. Seven of these compounds were detected above the TAGM RSCOs. Methyl tert butyl ether (MTBE), a former gasoline additive, was detected in soil sample S-2 (2'-4') at a concentration of 32 parts per billion (ppb), below the TAGM RSCO of 120 ppb. During soil screening activities, soil for this sample was noted to exhibit a petroleum-like odor and a headspace PID reading of 1,232 ppb. These results suggest that a release of gasoline has significantly affected the soil in this area.

Several VOCs typical of gasoline contamination were detected in soil samples S-3 (4'-6') and S-4 (2'-4'), but at lower concentrations than those observed for soil sample S-2 (2'-4'). VOCs exceeding TAGM guidelines were detected in S-4 (2'-4'), including acetone and 1,2,4-trimethylbenzene. A petroleum-like odor was noted for both soil samples and the PID readings during soil screening were 90 ppb and 28 ppb, respectively. Black staining was observed on the soil sample collected from soil boring S-3. The analytical and field screening results suggest that releases of gasoline in these areas have affected soil.

Acetone was detected in samples S-5 (5'-7') and S-8 (4'-6') and 2-butanone was detected in sample S-5 (5'-7') at concentrations below TAGM RSCOs. No other VOCs were detected in these two samples.

Semivolatile Organic Compounds (SVOCs)

A summary of soil analytical results for semivolatile organic compounds (SVOCs) is presented in Table 2. SVOCs were detected in all eight soil samples analyzed, primarily at concentrations below the TAGM RSCOs. Compound concentrations exceeding TAGM guidance values were detected in five of the samples and included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and dibenzo(a,h)anthracene. Many of the SVOCs detected, including those that exceeded the TAGM criteria, were polycyclic aromatic hydrocarbons (PAHs), compounds typically associated with petroleum use as well as those often detected in urban fill material in New York City.

Based on the history of the site, the elevated levels of SVOCs may be related to past and current use of petroleum. However, based on the overburden observed on-site, which included fill materials with ash, the detected SVOC levels may be attributable. At least in part, to the urban fill.

Metals

Soil analytical results for metals are presented in Table 3. Several metals concentrations detected were either above the TAGM RSCOs or the established eastern United States background levels. Metals concentrations exceeding both of these criteria included cadmium, copper, lead, mercury, and zinc.

In particular, mercury was detected in soil sample S-7 (6'-8') at a concentration of 1.9 parts per million (ppm), above the TAGM RSCO of 0.1 ppm and the eastern U.S. background range of 0.001 to 0.2 ppm. Lead was detected in soil samples S-4 (2'-4') and S-7 (6'-8') at concentrations of 2,400 ppm and 1,100 ppm, respectively. These lead levels are above the eastern United States background levels and, based on the detected concentrations, may exceed the threshold for characterization as hazardous waste under Title 40 of the Code of Federal Regulations when reanalyzed for Toxicity Characteristic Leaching Procedure (TCLP), an analysis for the characterization of waste designated for disposal.

Based on the type and distribution of the identified metals concentrations, the metals detections, including the elevated mercury and lead levels, may be attributable to the urban fill at the site and not necessarily to environmental contamination from historic on-site operations. However, the elevated lead levels may be related to the past use and release of leaded gasoline or lead-containing batteries.

5.2 Groundwater Analytical Results

Volatile Organic Compounds (VOCs)

Groundwater samples were collected from five of the eight soil borings for laboratory analysis as part of this investigation. Groundwater sample analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards (drinking water standards), although groundwater is not a source of potable water in the Bronx. Groundwater analytical results for VOCs are presented in Table 4.

Several VOCs were detected in groundwater samples S-2 and S-4. VOCs exceeding the Class GA standards included benzene, toluene, ethylbenzene, MTBE, xylenes, n-butylbenzene, sec-butylbenzene, isopropylbenzene, naphthalene, n-propylbenzene, 1,3,5-trimethylbenzene, and 1,2,4-trimethylbenzene. The detected compounds are typically associated with gasoline.

Chloroform was detected in sample S-6 at a concentration of 0.78 ppb, below the Class GA standard of 7 ppb. Methyl tert butyl ether (MTBE) was detected in sample S-8 at a concentration of 3.7 ppb, below the Class GA standard of 10 ppb. MTBE was also detected in sample S-3 at a concentration of 41 ppb, above the Class GA standard. No other VOCs were detected in samples S-6 and S-8. The only other VOC detected in sample S-3 was acetone, at a concentration below the Class GA standard.

The results of the analyses for VOCs suggest potential gasoline contamination to groundwater in samples S-2, S-3, and S-4. Similar compounds were detected in the soil samples from these soil boring locations, which were generally located on the northern portion of the subject site. This is the area where Mr. Mercorella, the representative for the property owner, indicated that an oil and gasoline spill had occurred several years ago. To a lesser extent, potential gasoline contamination was detected in groundwater sample S-8 (i.e., MTBE below the drinking water standard).

Semivolatile Organic Compounds (SVOCs)

A summary of the groundwater analytical results for SVOCs is presented in Table 5. Several SVOCs were detected in all five groundwater samples analyzed, primarily at concentrations below the Class GA standards. Only naphthalene in groundwater sample S-4 was detected above Class GA standards, at a concentration of 15 ppb (the Class GA standard for MTBE is 10 ppb). Detected SVOCs, particularly naphthalene and naphthalene-related compounds, are likely associated with petroleum-related contamination.

Metals

Groundwater analytical results for total and dissolved metals are presented in Tables 6 and 7, respectively. Total and dissolved metals were detected in all of the groundwater samples analyzed. Total metals exceeding the Class GA standards included arsenic, barium, cadmium, chromium, copper, lead, mercury and nickel and sodium. In the dissolved metals analysis, chromium was detected in sample S-6 at a concentration of 0.01 parts per million (ppm), below the class GA standard of 0.05. No other dissolved metals were detected in the samples. The predominance of total metals identified in the groundwater sample analysis implies that the

metals detections are likely due to the suspended sediments in the collected sample and not indicative of contamination from former on-site operations.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Eight (8) discrete soil samples and five (5) groundwater samples were collected from eight soil borings for laboratory analysis. Soil encountered during this investigation comprised sand and silt with fine gravel. Some brick, concrete, wood, glass, and ash were present in the soil, indicating that the overburden comprised urban fill. Groundwater was encountered at a depth of approximately six feet below surface grade.

Laboratory analytical results indicated that volatile organic compounds (VOCs) were detected in soil samples S-2, S-3, and S-4 that are typically associated with gasoline, including benzene, ethylbenzene, toluene, and xylenes (BTEX), as well as naphthalene and several benzene-related compounds. The laboratory results and the field screening results, which included the detection of petroleum-like odors and elevated photoionization detector (PID) readings, suggest that releases of gasoline and/or other petroleum products in these areas have affected soil and groundwater.

The results of the analyses for VOCs and SVOCs in groundwater suggest potential gasoline contamination to groundwater in samples collected from borings S-2, S-3, S-4, and to a lesser extent in S-8, where only methyl tert butyl ether (MTBE) was detected. The concentration of gasoline-related contaminants on the northern portion of the site may suggest that contaminated groundwater could have migrated on-site from the historic gasoline station properties to the north identified by AKRF's Phase I ESA dated February 2006. Specifically, one of these historic sites was identified directly across Ponton Avenue from the subject site. These historic gasoline station properties were located in a presumed upgradient groundwater flow direction. However, similar compounds and petroleum-like odors and elevated PID readings were detected in the soil samples from these soil boring locations indicating that reported and/or unreported on-site petroleum spills may have been the main source of the groundwater impact. These detections were noted in the general area where Mr. Mercorella, a representative of the property owner, indicated that an oil and gasoline spill had occurred several years ago. In addition, the site has a history of petroleum use related to automotive and motorcycle repair operations. The New York State Department of Environmental Conservation (NYSDEC) spill listings for the site note the repeated discharge of gasoline and oil to the ground surface.

The detected concentrations of metals in the soil, including those above the TAGM guidelines and established eastern U.S. background levels, may be attributable to the urban fill at the site and not necessarily to environmental contamination from historic on-site operations. However, the elevated lead levels may be related to the past use and release of leaded gasoline or lead-containing batteries. Based on the results, elevated levels of lead may exceed the threshold for characterization as hazardous waste under Title 40 of the Code of Federal Regulations when reanalyzed for Toxicity Characteristic Leaching Procedure (TCLP), an analysis for the characterization of waste for disposal. Such soil may require management as hazardous waste if excavated as part of site development activities.

Metals exceeding the Class GA standards were detected in all eight of the unfiltered (total metals) groundwater samples analyzed. However, only one metal, chromium, was detected in one groundwater sample (S-6) in the metals analyses of the filtered samples (dissolved metals), at a concentration below the Class GA standard. The fact that significantly more metals were detected in the unfiltered samples is likely due to the suspended sediments in the collected sample and not to contamination from former on-site operations.

Soil excavated as part of any future site development activities at the site should be managed in accordance with all applicable regulations. Soil intended for off-site disposal should be tested in accordance with the requirements of the receiving facility. Transportation of material leaving the site for

off-site disposal should be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, and manifesting, etc.

If dewatering is necessary for construction and development purposes, groundwater may require treatment as part of the dewatering handling and discharge process. Prior to initiating any dewatering activities, a groundwater sample should be analyzed to insure it meets the New York City Department of Environmental Protection (NYCDEP) criteria for effluent to municipal sewers, should these be the selected course of action for development.

TABLES

Key to Symbols and Terms

1	Recommended Soil Clean-up Objectives listed in NYSDEC TAGM #4046.
2	Listed in NYSDEC TAGM #4046.
3	Average background levels in metropolitan or suburban areas or near highways typically range from 200-500 ppm.
4	NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values for Class GA groundwater.
*	No established background level given.
**	Standards for total phenolic compounds indicate that the sum of total phenolic compounds must be <1.
ND	Not Detected.
NS	No guidance value or standard exists.
NYSDEC	New York State Department of Environmental Conservation.
ppb	Parts per billion.
ppm	Parts per million.
RSCOs	Recommended Soil Cleanup Objectives.
SB	Site Background.
TAGM	Technical and Administrative Guidance Memorandum.

TABLE 1
SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC TAGM 4046 RSCO ¹ (ppb)	S-1 (1-3') L0608842-01 21-Jun-06 (ppb)	S-2 (2-4') L0608842-02 21-Jun-06 (ppb)	S-3 (4-6') L0608842-03 21-Jun-06 (ppb)	S-4 (2-4') L0608842-04 21-Jun-06 (ppb)	S-5 (5-7') L0608842-05 21-Jun-06 (ppb)	S-6 (1-3') L0608842-06 21-Jun-06 (ppb)	S-7 (6-8') L0608842-07 21-Jun-06 (ppb)	S-8 (4-6') L0608842-08 21-Jun-06 (ppb)
Compound									
Methylene chloride	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	300	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	600	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,400	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,700	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	6,000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	800	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	600	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	250	ND	33	ND	ND	ND	ND
Toluene	1,500	ND	250	ND	5	ND	ND	ND	ND
Ethylbenzene	5,500	ND	6,200	4.8	270	ND	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	200	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1,900	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	400	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	300	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	700	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7,900	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1,600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8,500	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	120	ND	32	ND	ND	ND	ND	ND	ND
p/m-Xylene	2,000	ND	48,000	29	180	ND	ND	ND	ND
o-Xylene	600	ND	130	30	14	ND	ND	ND	ND
cis-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobutane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1
SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC TAGM 4046 RSCO ¹ (ppb)	S-1 (1-3') L0608842-01 21-Jun-06 (ppb)	S-2 (2-4') L0608842-02 21-Jun-06 (ppb)	S-3 (4-6') L0608842-03 21-Jun-06 (ppb)	S-4 (2-4') L0608842-04 21-Jun-06 (ppb)	S-5 (5-7') L0608842-05 21-Jun-06 (ppb)	S-6 (1-3') L0608842-06 21-Jun-06 (ppb)	S-7 (6-8') L0608842-07 21-Jun-06 (ppb)	S-8 (4-6') L0608842-08 21-Jun-06 (ppb)
Compound									
1,2,3-Trichloropropane	400	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	ND	12	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	200	ND	150	83	260	170	ND	ND	100
Carbon disulfide	2,700	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	36	ND	ND	ND
Vinyl acetate	NS	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1,000	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl methacrylate	NS	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	300	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10,000	ND	ND	160	79	ND	ND	ND	ND
sec-Butylbenzene	10,000	ND	510	32	25	ND	ND	ND	ND
tert-Butylbenzene	10,000	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2,300	ND	1,600	29	79	ND	ND	ND	ND
p-Isopropyltoluene	10,000	ND	360	14	13	ND	ND	ND	ND
Naphthalene	13,000	ND	17,000	37	160	ND	ND	ND	ND
n-Propylbenzene	3,700	ND	5,300	83	140	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3,300	ND	19,000	290	580	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10,000	ND	55,000	760	12,000	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl ether	NS	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC TAGM 4046 RSCO ¹ (ppb)	S-1 (1-3') L0608842-01 21-Jun-06 (ppb)	S-2 (2-4') L0608842-02 21-Jun-06 (ppb)	S-3 (4-6') L0608842-03 21-Jun-06 (ppb)	S-4 (2-4') L0608842-04 21-Jun-06 (ppb)	S-5 (5-7') L0608842-05 21-Jun-06 (ppb)	S-6 (1-3') L0608842-06 21-Jun-06 (ppb)	S-7 (6-8') L0608842-07 21-Jun-06 (ppb)	S-8 (4-6') L0608842-08 21-Jun-06 (ppb)
Compound									
Acenaphthene	50,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3,400	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	410	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	ND	ND	ND	ND	ND	ND	ND	ND
1-Chloronaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7,900	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1,600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8,500	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50,000	8,100	1,800	90	2,300	ND	1,200	32	1,200
4-Chlorophenyl phenyl ether	NS	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	4,400	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13,000	ND	3,800	100	370	ND	ND	ND	ND
Nitrobenzene	200	ND	ND	ND	ND	ND	ND	ND	ND
NDPA/DPA	NS	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	50,000	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50,000	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8,100	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	50,000	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	7,100	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	224	3,400	710	40	1,000	35	590	ND	610
Benzo(a)pyrene	61	2,700	740	30	920	46	500	ND	620
Benzo(b)fluoranthene	1,100	3,300	890	32	1,200	29	340	ND	440
Benzo(k)fluoranthene	1,100	2,800	790	46	840	ND	620	ND	820
Chrysene	400	3,600	820	50	1,100	36	600	ND	680
Acenaphthylene	41,000	410	210	ND	190	ND	ND	ND	180

TABLE 2
SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC TAGM 4046 RSCO ¹ (ppb)	S-1 (1-3') L0608842-01 21-Jun-06 (ppb)	S-2 (2-4') L0608842-02 21-Jun-06 (ppb)	S-3 (4-6') L0608842-03 21-Jun-06 (ppb)	S-4 (2-4') L0608842-04 21-Jun-06 (ppb)	S-5 (5-7') L0608842-05 21-Jun-06 (ppb)	S-6 (1-3') L0608842-06 21-Jun-06 (ppb)	S-7 (6-8') L0608842-07 21-Jun-06 (ppb)	S-8 (4-6') L0608842-08 21-Jun-06 (ppb)
Compound									
Anthracene	50,000	1,100	330	15	310	ND	98	ND	130
Benzo(ghi)perylene	50,000	2,500	660	27	580	51	280	ND	510
Fluorene	50,000	380	280	16	100	ND	ND	ND	ND
Phenanthrene	50,000	4,400	1,300	75	940	ND	310	ND	390
Dibenzo(a,h)anthracene	14	480	170	ND	160	29	73	ND	130
Indeno(1,2,3-cd)Pyrene	3,200	2,000	590	21	590	25	270	ND	440
Pyrene	50,000	6,400	1,500	93	1,700	ND	1,000	33	910
Benzo(e)Pyrene	NS	2,400	620	31	700	69	360	ND	480
Biphenyl	NS	ND	ND	ND	ND	ND	ND	ND	ND
Perylene	NS	880	250	16	230	ND	120	ND	160
Aniline	100	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	220	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	NS	ND	950	200	160	ND	ND	ND	ND
2-Nitroaniline	430	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	500	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	6,200	ND	ND	ND	ND	ND	ND	ND	ND
a,a-Dimethylphenethylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Nitrosodi-n-butylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36,400	ND	1,600	170	180	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND
a-Naphthylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND
b-Naphthylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND
Phenacetin	NS	ND	ND	ND	ND	ND	ND	ND	ND
Dimethoate	NS	ND	ND	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	NS	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Isodrin	NS	ND	ND	ND	ND	ND	ND	ND	ND
p-Dimethylaminoazobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzilate	NS	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Methanesulfonate	NS	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	NS	ND	ND	ND	ND	ND	ND	ND	ND
Nitrosodipiperidine	NS	ND	ND	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC TAGM 4046 RSCO ¹ (ppb)	S-1 (1-3') L0608842-01 21-Jun-06 (ppb)	S-2 (2-4') L0608842-02 21-Jun-06 (ppb)	S-3 (4-6') L0608842-03 21-Jun-06 (ppb)	S-4 (2-4') L0608842-04 21-Jun-06 (ppb)	S-5 (5-7') L0608842-05 21-Jun-06 (ppb)	S-6 (1-3') L0608842-06 21-Jun-06 (ppb)	S-7 (6-8') L0608842-07 21-Jun-06 (ppb)	S-8 (4-6') L0608842-08 21-Jun-06 (ppb)
Compound									
p-Chloro-m-cresol	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	400	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	330	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	100	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	200	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	30	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	100	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	NS	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	100	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dichlorophenol	NS	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	2,700	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NS	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Picoline	NS	ND	ND	ND	ND	ND	ND	ND	ND
Pronamide	NS	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	NS	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dimethylnaphthalene	NS	ND	300	97	ND	ND	ND	ND	ND
1-Methylphenanthrene	NS	560	230	54	170	ND	69	ND	85

TABLE 3
SUMMARY OF METAL COMPOUNDS IN SOIL
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC TAGM 4046 RSCO ¹ (ppm)	Eastern US Background ² (ppm)	S-1 (1-3') L0608842-01 21-Jun-06 (ppm)	S-2 (2-4') L0608842-02 21-Jun-06 (ppm)	S-3 (4-6') L0608842-03 21-Jun-06 (ppm)	S-4 (2-4') L0608842-04 21-Jun-06 (ppm)	S-5 (5-7') L0608842-05 21-Jun-06 (ppm)	S-6 (1-3') L0608842-06 21-Jun-06 (ppm)	S-7 (6-8') L0608842-07 21-Jun-06 (ppm)	S-8 (4-6') L0608842-08 21-Jun-06 (ppm)
Compound										
Antimony	SB	*	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	7.5 or SB	3 - 12	1	2.5	9.2	10	3.1	ND	8	4.6
Beryllium	0.16 or SB	0 - 1.75	0.38	0.38	0.24	0.28	0.4	0.24	ND	0.26
Cadmium	1 or SB	0.1 - 1	ND	ND	ND	0.87	ND	ND	2.6	ND
Chromium	10 or SB	1.5 - 40	26	24	16	17	26	15	26	15
Copper	25 or SB	1 - 50	28	45	13	83	26	37	61	24
Lead	SB	200-500 ³	18	240	9	2,400	150	3.6	1,100	88
Mercury	0.1	0.001 - 0.2	ND	0.29	ND	0.35	0.16	ND	1.9	0.11
Nickel	13 or SB	0.5 - 25	18	17	16	11	14	10	11	8.8
Selenium	2 or SB	0.1 - 3.9	ND	ND	ND	1.4	ND	ND	1.2	ND
Silver	SB	*	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	SB	*	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	20 or SB	9 - 50	34	570	450	430	160	25	1,900	93

TABLE 4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC Class GA Ambient Water Quality Standards ⁴ (ppb)	S-2 L0608842-12 21-Jun-06 (ppb)	S-3 L0608842-09 21-Jun-06 (ppb)	S-4 L0608842-14 21-Jun-06 (ppb)	S-6 L0608842-10 21-Jun-06 (ppb)	S-8 L0608842-11 21-Jun-06 (ppb)	TRIP BLANK L0608842-13 15-Jun-06 (ppb)
Compound							
Methylene chloride	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	0.78	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
Benzene	1	76	ND	4.5	ND	ND	ND
Toluene	5	120	ND	2.2	ND	ND	ND
Ethylbenzene	5	14	ND	16	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	14	41	3	ND	3.7	ND
p/m-Xylene	5	430	ND	64	ND	ND	ND
o-Xylene	5	38	ND	5.7	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobutane	NS	ND	ND	ND	ND	ND	ND
Iodomethane	NS	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND

TABLE 4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC Class GA Ambient Water Quality Standards ⁴ (ppb)	S-2 L0608842-12 21-Jun-06 (ppb)	S-3 L0608842-09 21-Jun-06 (ppb)	S-4 L0608842-14 21-Jun-06 (ppb)	S-6 L0608842-10 21-Jun-06 (ppb)	S-8 L0608842-11 21-Jun-06 (ppb)	TRIP BLANK L0608842-13 15-Jun-06 (ppb)
Compound							
Styrene	5	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND
Acetone	50	13	6.9	11	ND	ND	ND
Carbon disulfide	50	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	ND	ND	ND	ND	ND	ND
Ethyl methacrylate	NS	ND	ND	ND	ND	ND	ND
Acrolein	5	ND	ND	ND	ND	ND	ND
Acrylonitrile	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	6	ND	2.6	ND	ND	ND
sec-Butylbenzene	5	6.8	ND	1.1	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	87	ND	3.4	ND	ND	ND
p-Isopropyltoluene	5	1.4	ND	1	ND	ND	ND
Naphthalene	10	16	ND	27	ND	ND	ND
n-Propylbenzene	5	140	ND	5.6	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	15	ND	50	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	140	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND	ND	ND	ND
Ethyl ether	NS	ND	ND	ND	ND	ND	ND

TABLE 5
SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC Class GA Ambient Water Quality Standards ⁴ (ppb)	S-2 L0608842-12 21-Jun-06 (ppb)	S-3 L0608842-09 21-Jun-06 (ppb)	S-4 L0608842-14 21-Jun-06 (ppb)	S-6 L0608842-10 21-Jun-06 (ppb)	S-8 L0608842-11 21-Jun-06 (ppb)
Compound						
Acenaphthene	20	ND	ND	ND	ND	ND
Benzidine	5	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND
1-Chloronaphthalene	NS	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND
Azobenzene	5	ND	ND	ND	ND	ND
Fluoranthene	50	0.49	ND	ND	0.26	0.29
4-Chlorophenyl phenyl ether	NS	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND
Naphthalene	10	6.5	ND	15	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND
NDPA/DPA	NS	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND	ND	ND
Di-n-octylphthalate	50	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.002(ND)	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND
Acenaphthylene	20	ND	ND	ND	ND	ND

TABLE 5
SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC Class GA Ambient Water Quality Standards ⁴ (ppb)	S-2 L0608842-12 21-Jun-06 (ppb)	S-3 L0608842-09 21-Jun-06 (ppb)	S-4 L0608842-14 21-Jun-06 (ppb)	S-6 L0608842-10 21-Jun-06 (ppb)	S-8 L0608842-11 21-Jun-06 (ppb)
Compound						
Anthracene	50	ND	ND	ND	ND	ND
Benzo(ghi)perylene	5	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND
Phenanthrene	50	0.69	ND	0.25	0.34	0.21
Dibenzo(a,h)anthracene	50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)Pyrene	0.002	ND	ND	ND	ND	ND
Pyrene	50	0.29	ND	ND	0.27	0.28
Benzo(e)Pyrene	NS	ND	ND	ND	ND	ND
Biphenyl	5	ND	ND	ND	ND	ND
Perylene	NS	ND	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND
1-Methylnaphthalene	NS	2.4	0.33	6.2	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND
a,a-Dimethylphenethylamine	5	ND	ND	ND	ND	ND
Hexachloropropene	5	ND	ND	ND	ND	ND
Nitrosodi-n-butylamine	NS	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	2.3	0.24	9.4	ND	ND
1,2,4,5-Tetrachlorobenzene	5	ND	ND	ND	ND	ND
Pentachlorobenzene	5	ND	ND	ND	ND	ND
a-Naphthylamine	NS	ND	ND	ND	ND	ND
b-Naphthylamine	NS	ND	ND	ND	ND	ND
Phenacetin	NS	ND	ND	ND	ND	ND
Dimethoate	NS	ND	ND	ND	ND	ND
4-Aminobiphenyl	5	ND	ND	ND	ND	ND
Pentachloronitrobenzene	5	ND	ND	ND	ND	ND
Isodrin	5	ND	ND	ND	ND	ND
p-Dimethylaminoazobenzene	NS	ND	ND	ND	ND	ND
Chlorobenzilate	NS	ND	ND	ND	ND	ND
3-Methylcholanthrene	NS	ND	ND	ND	ND	ND
Ethyl Methanesulfonate	NS	ND	ND	ND	ND	ND
Acetophenone	NS	ND	ND	ND	ND	ND
Nitrosodipiperidine	NS	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	NS	ND	ND	ND	ND	ND
n-Nitrosodimethylamine	NS	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	ND	ND	ND	ND	ND

TABLE 5
SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC Class GA Ambient Water Quality Standards ⁴ (ppb)	S-2 L0608842-12 21-Jun-06 (ppb)	S-3 L0608842-09 21-Jun-06 (ppb)	S-4 L0608842-14 21-Jun-06 (ppb)	S-6 L0608842-10 21-Jun-06 (ppb)	S-8 L0608842-11 21-Jun-06 (ppb)
Compound						
p-Chloro-m-cresol	NS	ND	ND	ND	ND	ND
2-Chlorophenol	50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1**	ND	ND	ND	ND	ND
2-Nitrophenol	5	ND	ND	ND	ND	ND
4-Nitrophenol	5	ND	ND	ND	ND	ND
2,4-Dinitrophenol	5	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	ND	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND	ND
2-Methylphenol	5	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	ND	ND	ND	ND	ND
2,6-Dichlorophenol	1**	ND	ND	ND	ND	ND
Benzoic Acid	NS	ND	ND	ND	ND	ND
Benzyl Alcohol	NS	ND	ND	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND	ND
Pyridine	NS	ND	ND	ND	ND	ND
2-Picoline	NS	ND	ND	ND	ND	ND
Pronamide	NS	ND	ND	ND	ND	ND
Methyl methanesulfonate	NS	ND	ND	ND	ND	ND
2,6-Dimethylnaphthalene	NS	0.26	ND	0.7	ND	ND
1-Methylphenanthrene	NS	ND	ND	ND	ND	ND

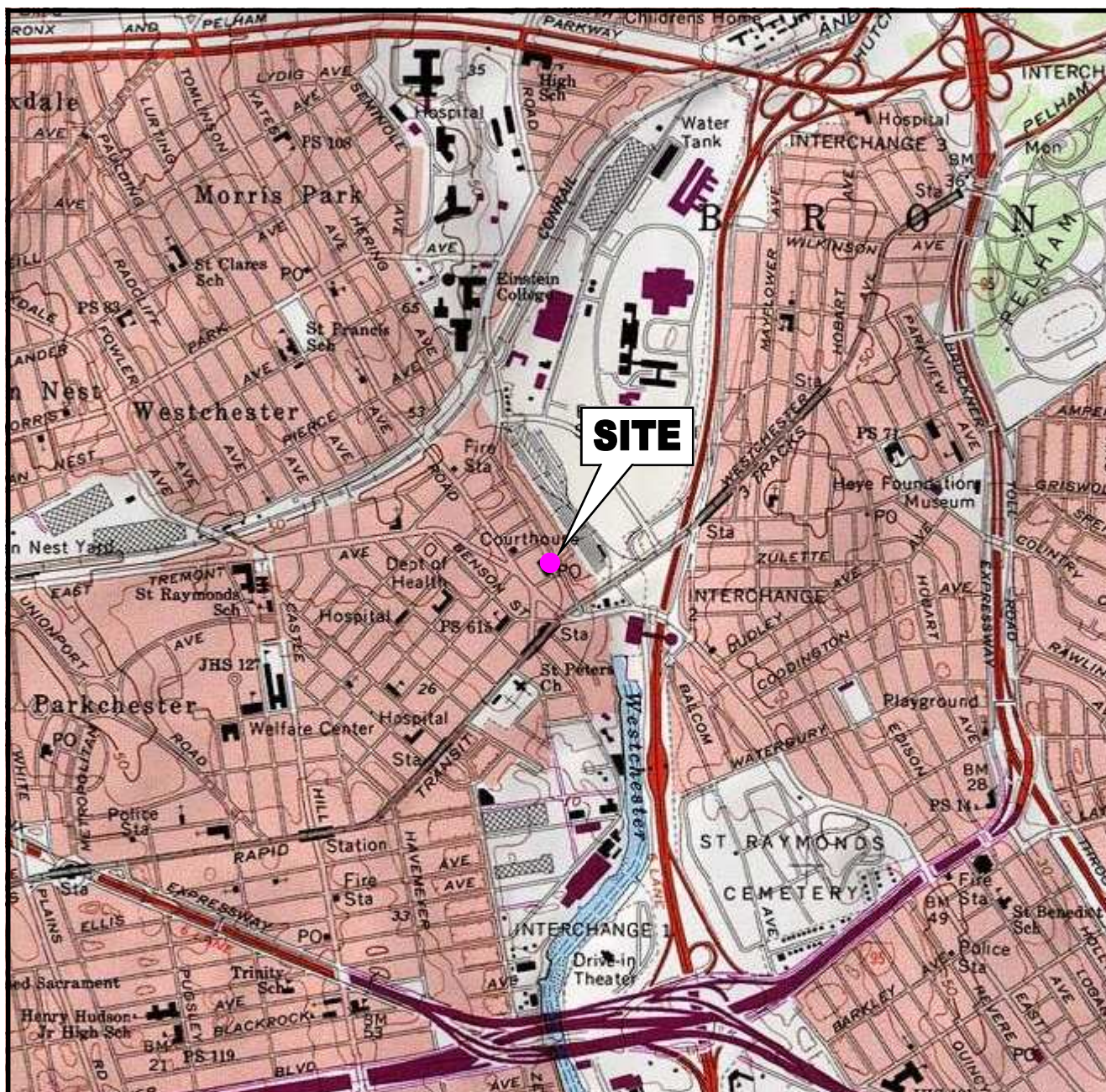
TABLE 6
SUMMARY OF TOTAL METAL COMPOUNDS IN GROUNDWATER
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC Class GA Ambient Water Quality Standards ⁴ (ppm)	S-3 L0608842-09 21-Jun-06 (ppm)	S-6 L0608842-10 21-Jun-06 (ppm)	S-8 L0608842-11 21-Jun-06 (ppm)	S-2 L0608842-12 21-Jun-06 (ppm)	S-4 L0608842-14 21-Jun-06 (ppm)
Compound						
Antimony, Total	0.003	ND	ND	ND	ND	ND
Arsenic, Total	0.025	0.081	0.011	0.135	0.01	0.347
Beryllium, Total	NS	0.021	0.012	0.014	ND	0.078
Cadmium, Total	0.005	0.018	0.013	0.113	ND	0.086
Chromium, Total	0.05	0.68	0.65	1	0.17	3.5
Copper, Total	0.2	1.5	2.8	7.8	0.21	8.5
Lead, Total	0.025	1.98	0.339	40.2	0.106	40.1
Mercury, Total	0.0007	0.0052	0.0009	0.058	ND	0.0276
Nickel, Total	0.1	0.609	0.513	0.653	0.145	4.03
Selenium, Total	0.01	ND	ND	ND	ND	ND
Silver, Total	0.05	ND	ND	0.008	ND	ND
Thallium, Total	NS	ND	ND	ND	ND	ND
Zinc, Total	NS	4.1	1.6	38	0.25	14

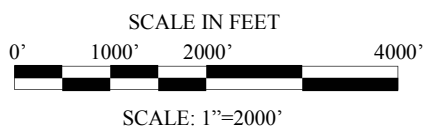
TABLE 7
SUMMARY OF DISSOLVED METAL COMPOUNDS IN GROUNDWATER
1346 BLONDELL AVENUE
BRONX, NEW YORK

Client ID Lab Sample ID Date Sampled Units	NYSDEC Class GA Ambient Water Quality Standards ⁴ (ppm)	S-3 L0608842-09 21-Jun-06 (ppm)	S-6 L0608842-10 21-Jun-06 (ppm)	S-8 L0608842-11 21-Jun-06 (ppm)	S-2 L0608842-12 21-Jun-06 (ppm)	S-4 L0608842-14 21-Jun-06 (ppm)
Compound						
Antimony, Dissolved	0.003	ND	ND	ND	ND	ND
Arsenic, Dissolved	0.025	ND	ND	ND	ND	ND
Beryllium, Dissolved	NS	ND	ND	ND	ND	ND
Cadmium, Dissolved	0.005	ND	ND	ND	ND	ND
Chromium, Dissolved	0.05	ND	0.01	ND	ND	ND
Copper, Dissolved	0.2	ND	ND	ND	ND	ND
Lead, Dissolved	0.025	ND	ND	ND	ND	ND
Mercury, Dissolved	0.0007	ND	ND	ND	ND	ND
Nickel, Dissolved	0.1	ND	ND	ND	ND	ND
Selenium, Dissolved	0.01	ND	ND	ND	ND	ND
Silver, Dissolved	0.05	ND	ND	ND	ND	ND
Thallium, Dissolved	NS	ND	ND	ND	ND	ND
Zinc, Dissolved	NS	ND	ND	ND	ND	ND

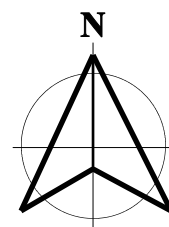
FIGURES



QUADRANGLE



SOURCE:
USGS TOPOGRAPHIC MAP - FLUSHING, N.Y.
QUADRANGLE - DATED 1969, PHOTOREVISED 1979



1346 Blondell Avenue
Bronx, New York

PROJECT SITE LOCATION

AKRF, Inc.

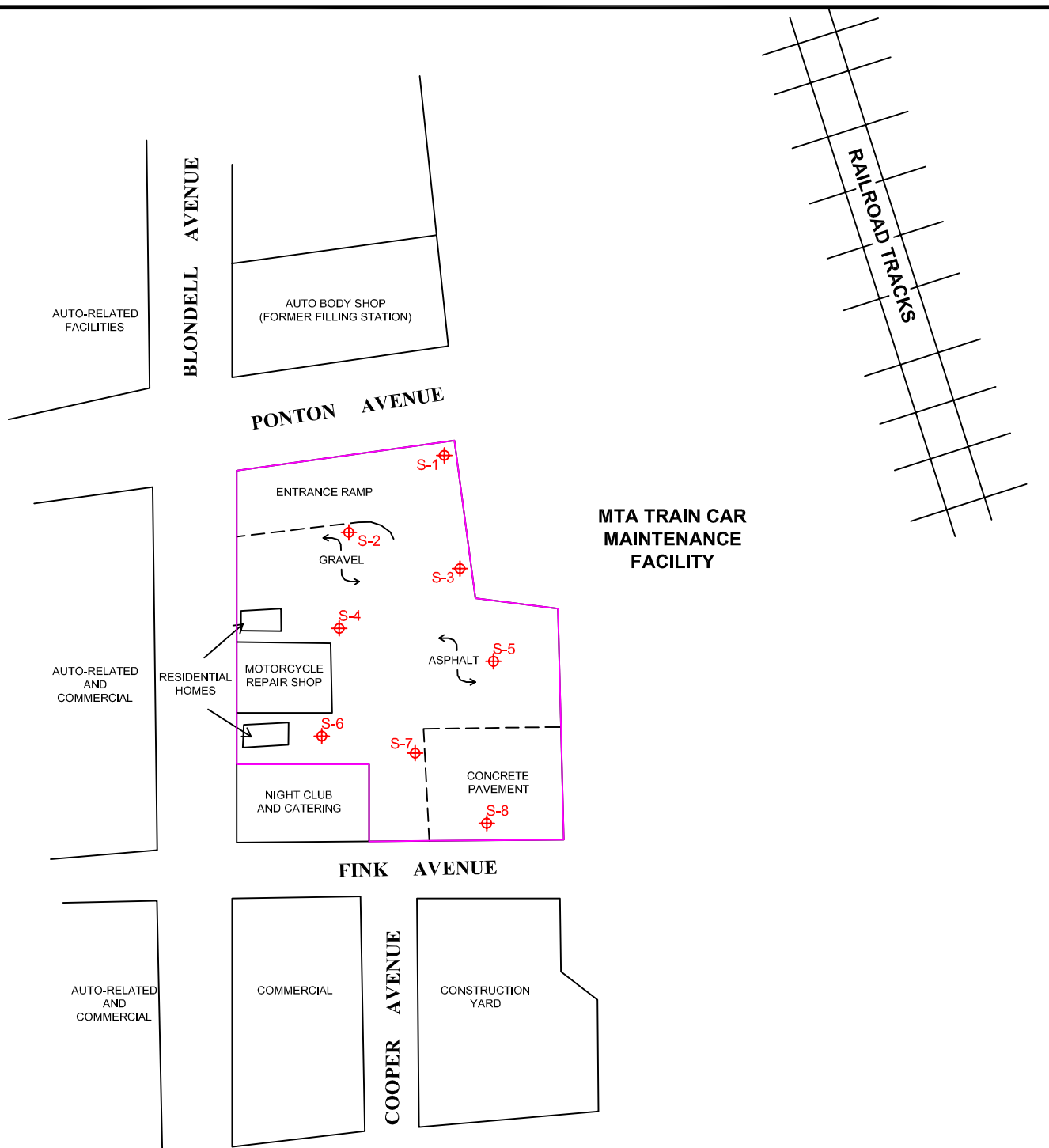
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
01.25.06

PROJECT No.
10735

FIGURE No.

1



0' 50' 100' 200'
SCALE IN FEET



LEGEND:

- PROJECT SITE BOUNDARY
- ◆ S-8 APPROXIMATE SAMPLING LOCATION

1346 Blondell Avenue
Bronx, New York

PROJECT SITE DETAIL



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

DATE
07.03.06

PROJECT No.
10735-002

SCALE
1" = 100'

FIGURE No.
2

APPENDIX A
SOIL BORING LOGS

AKRF, Inc. Environmental Consultants 440 Park Avenue South, New York, NY 10016				1346 Blondell Avenue, Bronx, New York AKRF Project Number : 10735		Boring No. S-1 Sheet 1 of 1	
				Drilling Method: Direct Push Probe Sampling Method: Macrocore Driller : Zebra Weather: Sunny/ 85 degrees Sampler: AKRF/ Jessica Leber		Drilling StartFinish Time: 8:40Time: 9:00 Date: 6/21/06Date: 6/21/06	
Depth (feet)	Recovery (Inches)	Sample Location	PID Reading (ppm)	Surface Condition:			
1 2 3 4	24"	S-1 (1'-3') 8:50 AM	ND	Top 3": Fine GRAVEL and black SAND. Middle 15": Dark brown SAND and fine fine GRAVEL, little Concrete, Wood. Slight petroleum-like odor (Dry) (FILL). Bottom 6": Light brown SAND and fine GRAVEL. No odor (Dry).			
5 6 7 8	36"		ND 0.9	Top 8": Brown fine GRAVEL, some Sand, little Brick, Concrete. Bottom 28": Brown and grey organic SILT, little Sand, trace fine Gravel, and Roots. Slight odor - possibly organic. Wet at 6' below grade. End of boring at 8' below grade			
Notes:						ND - Not Detected	

AKRF, Inc. Environmental Consultants 440 Park Avenue South, New York, NY 10016				1346 Blondell Avenue, Bronx, New York AKRF Project Number : 10735		Boring No. S-2 Sheet 1 of 1	
				Drilling Method: Direct Push Probe Sampling Method: Macrocore Driller : Zebra Weather: Sunny/ 85 degrees Sampler: AKRF/ Jessica Leber		Drilling StartFinish Time: 11:15Time: 12:00 Date: 6/21/06Date: 6/21/06	
Depth (feet)	Recovery (Inches)	Sample Location	PID Reading (ppm)	Surface Condition: Concrete			
1	36"	S-2 (2'-4') 11:30 AM	ND	Top 2" - STONE			
2			ND	Middle 8": CONCRETE			
3			1,232	Bottom 26": Black SAND and fine GRAVEL, little Ash, Concrete, Rock, Brick (FILL). Strong sharp-sweet odor, slight petroleum-like or solvent-like.			
4			50				
5	38"	S-2 (Water) 11:45 AM	250	Top 6": Black fine to coarse SAND and fine GRAVEL, little Ash, Concrete, Rock, Brick (FILL). Strong sharp-sweet odor, slight petroleum-like or solvent-like. (Dry)			
6			10	Bottom 32": Brown SILT, trace Clay, fine Gravel. Slight petroleum-like odor. (Wet)			
7							
8				End of boring at 12' below grade			
Notes: ND - Not Detected							

AKRF, Inc.				1346 Blondell Avenue, Bronx, New York		Boring No. S-3			
				AKRF Project Number : 10735		Sheet 1 of 1			
Environmental Consultants 440 Park Avenue South, New York, NY 10016				Drilling Method: Direct Push Probe		Drilling			
				Sampling Method: Macrocore		Start		Finish	
				Driller : Zebra		Time: 8:00		Time: 8:30	
				Weather: Sunny/ 85 degrees		Date: 6/21/06		Date: 6/21/06	
				Sampler: AKRF/ Jessica Leber					
Depth (feet)	Recovery (Inches)	Sample Location	PID Reading (ppm)	Surface Condition: Asphalt					
1	38"		63.9	Top 4": Asphalt slag					
2			34.5	Bottom 34": Black SAND and fine GRAVEL, little Concrete, Brick (FILL). Petroleum-like odor. (Dry)					
3									
4									
5	42"	S-3 (4'-6') 8:20 AM	90.0	Top 21": Black fine to coarse SAND and fine GRAVEL, trace Concrete. Strong petroleum-like odor. (Dry)					
6			1.9	Bottom 21": Black and dark brown SILT (some black staining toward the bottom), trace fine Sand, Clay, fine Gravel. Slight petroleum odor. Wet at 6' below grade.					
7									
8									
9	48"		0.9	Top 40": Dark brown SILT, little Clay, trace fine Gravel. Slight staining; no significant odor. (Wet)					
10			ND	Bottom 8": Light brown SILT, some Sand, fine Gravel. (Wet)					
11									
12				End of boring at 12' below grade					
Notes: ND - Not Detected									

AKRF, Inc.				1346 Blondell Avenue, Bronx, New York		Boring No. S-4			
				AKRF Project Number : 10735		Sheet 1 of 1			
Environmental Consultants 440 Park Avenue South, New York, NY 10016				Drilling Method: Direct Push Probe		Drilling			
				Sampling Method: Macrocore		Start		Finish	
				Driller : Zebra		Time: 9:00		Time: 9:30	
				Weather: Sunny/ 85 degrees		Date: 6/21/06		Date: 6/21/06	
				Sampler: AKRF/ Jessica Leber					
Depth (feet)	Recovery (Inches)	Sample Location	PID Reading (ppm)	Surface Condition:					
1	36"	S-4 (2'-4") 9:10 AM	11.6	Top 12": Brown and white fine to coarse SAND and fine GRAVEL, trace Concrete. (Dry) (FILL)					
2			28	Bottom 24": Black fine to coarse SAND and fine GRAVEL, little Concrete, Brick and Ash. Petroleum-like odor. (FILL)					
3									
4									
5	48"	S-4 (Water) 9:20 AM	ND	Top 8": Black SAND and fine GRAVEL, little Concrete, Brick, Ash. Petroleum-like odor. (FILL)					
6			0.9	Middle 32": Dark brown and grey organic SILT, some Clay. No odor. Wet at 6' below grade					
7				Bottom 8": Brown fine to medium SAND, some fine Gravel (Wet)					
8									
9	48"		ND	Brown SAND, some fine Gravel. No odor. (Wet) End of boring at 12' below grade					
10									
11									
12									
Notes: ND - Not Detected									

AKRF, Inc. Environmental Consultants 440 Park Avenue South, New York, NY 10016				1346 Blondell Avenue, Bronx, New York AKRF Project Number : 10735		Boring No. S-5 Sheet 1 of 1	
				Drilling Method: Direct Push Probe		Drilling	
				Sampling Method: Macrocore		Start	
				Driller : Zebra		Time: 9:30	
				Weather: Sunny/ 85 degrees		Date: 6/21/06	
				Sampler: AKRF/ Jessica Leber		Time: 10:00	
						Date: 6/21/06	
Depth (feet)	Recovery (Inches)	Sample Location	PID Reading (ppm)	Surface Condition:			
1	24"		ND	Top 2": ASPHALT			
2				Bottom 22": Black and dark brown fine to coarse SAND and fine GRAVEL, little Concrete, Rock, Glass, trace Wood. No odor. (Dry) (FILL)			
3							
4							
5	36"	S-5 (5-7") 9:40 AM	ND	Top 6": Black and dark brown fine to coarse SAND and fine GRAVEL, little Concrete, Rock, Glass, trace Wood. No odor. (Dry) (FILL)			
6			ND	Middle 12": Brown fine GRAVEL, some Sand, trace shell fragments. No odor. (Wet)			
7			ND	Bottom 18": Brown SILT, little Clay, fine Gravel. No odor. (Wet) End of boring at 8' below grade			
8							
Notes:							ND - Not Detected

AKRF, Inc. Environmental Consultants 440 Park Avenue South, New York, NY 10016				1346 Blondell Avenue, Bronx, New York AKRF Project Number : 10735		Boring No. S-6 Sheet 1 of 1	
				Drilling Method: Direct Push Probe Sampling Method: Macrocore Driller : Zebra Weather: Sunny/ 85 degrees Sampler: AKRF/ Jessica Leber		Drilling StartFinish Time: 11:00Time: 11:15 Date: 6/21/06Date: 6/21/06	
Depth (feet)	Recovery (Inches)	Sample Location	PID Reading (ppm)	Surface Condition: Concrete			
1	24"	S-6 (1'-3") 11:00 AM	ND	Top 8": CONCRETE			
2				Bottom 16": Brown SAND, some fine Gravel, little Silt. No odor. (Dry)			
3							
4							
5	48"	S-6 (Water) 11:15 AM	ND	SAND, some fine Gravel (micaceous rock). Rock at 2" (Dry)			
6							
7							
8							
9	2"		ND	Top 2": SILT (Wet) Refusal below 9' on rock or obstruction. End of boring at 9' below grade			
Notes: ND - Not Detected							

AKRF, Inc. Environmental Consultants 440 Park Avenue South, New York, NY 10016				1346 Blondell Avenue, Bronx, New York		Boring No. S-7	
				AKRF Project Number : 10735		Sheet 1 of 1	
				Drilling Method: Direct Push Probe		Drilling	
				Sampling Method: Macrocore		Start	
				Driller : Zebra		Time: 10:25	
				Weather: Sunny/ 85 degrees		Date: 6/21/06	
				Sampler: AKRF/ Jessica Leber		Date: 6/21/06	
Depth (feet)	Recovery (Inches)	Sample Location	PID Reading (ppm)	Surface Condition: Asphalt			
1	22"		ND	Top 2": ASPHALT			
2				Middle 8": CONCRETE			
3				Bottom 12": Brown SAND and fine GRAVEL, little Concrete, Brick. (FILL) (Dry)			
4							
5	36"	S-7 (6'-8') 10:45 AM	ND	Top 12": Dry finc to coarse SAND and fine GRAVEL. No odor.			
6			24	Bottom 24": Brown SAND, some Silt, fine Gravel. Petroleum-like odor. (Wet)			
7							
8				End of boring at 8' below grade			
Notes: ND - Not Detected							

AKRF, Inc. Environmental Consultants 440 Park Avenue South, New York, NY 10016				1346 Blondell Avenue, Bronx, New York AKRF Project Number : 10735		Boring No. S-8 Sheet 1 of 1	
				Drilling Method: Direct Push Probe Sampling Method: Macrocore Driller : Zebra Weather: Sunny/ 85 degrees Sampler: AKRF/ Jessica Leber		Drilling Start Finish Time: 10:00 Time: 10:25 Date: 6/21/06 Date: 6/21/06	
Depth (feet)	Recovery (Inches)	Sample Location	PID Reading (ppm)	Surface Condition: Concrete			
1	30"		ND	Top 8": CONCRETE			
2				Bottom 22": Brown and white SAND and fine GRAVEL, little Concrete, Crushed Rock. No odor. (Dry)			
3							
4							
5	40"	S-8 (4'-6') 10:00 AM S-8 (Water) 10:10 AM	ND	Top 12": Brown and white fine to coarse SAND and fine GRAVEL, little Concrete and Crushed Rock. No odor. (Dry)			
6				Middle 6": CONCRETE			
7				Bottom 18": Brown and black SILT and SAND, some fine Gravel. No odor. (Wet)			
8							
9	36"		ND	Top 12": Brown SAND and fine GRAVEL, trace Brick. (FILL)			
10				Middle 18": Dark brown SILT, some SAND, trace fine Gravel. (Moist)			
11				Bottom 6": PEAT. No odor. (Moist)			
12							
Notes: ND - Not Detected							

APPENDIX B
LABORATORY ANALYTICAL DATA SHEETS

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: AKRF, Inc.

Laboratory Job Number: L0608842

Address: 440 Park Avenue South

New York, NY 10016

Date Received: 22-JUN-2006

Attn: Mr. Axel Schwendt

Date Reported: 30-JUN-2006

Project Number: 10735

Delivery Method: Alpha

Site: 1346 BLONDELL AVE.

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0608842-01	S-1 (1-3')	BRONX
L0608842-02	S-2 (2-4')	BRONX
L0608842-03	S-3 (4-6')	BRONX
L0608842-04	S-4 (2-4')	BRONX
L0608842-05	S-5 (5-7')	BRONX
L0608842-06	S-6 (1-3')	BRONX
L0608842-07	S-7 (6-8')	BRONX
L0608842-08	S-8 (4-6')	BRONX
L0608842-09	S-3	BRONX
L0608842-10	S-6	BRONX
L0608842-11	S-8	BRONX
L0608842-12	S-2	BRONX
L0608842-13	TRIP BLANK	BRONX
L0608842-14	S-4	BRONX

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

Authorized by:


Technical Director

**ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT**

Laboratory Job Number: L0608842

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

Metals

L0608842-01, 02, 03, 05, 06, 08 were diluted 2X for the analysis of Tl. The dilution was necessary because of spectral interferences encountered during the analysis.

L0608842-02 and -03 were diluted 2X for the analysis of Zn. The dilution was necessary to quantitate the sample within the linear range of the instrument.

L0608842-07 has an elevated limit of detection for Hg due to the 2x dilution required to quantitate the sample within the calibration curve.

L0608842-07 was diluted 10 X for the analysis of Zn. The dilution was necessary to quantitate the sample within the linear range of the instrument.

L0608842-09 and -11 were diluted 5X for the analysis of Tl. The dilution was necessary because of spectral interferences encountered during the analysis.

L0608842-10 and -14 were diluted 2X for the analysis of Tl. The dilution was necessary because of spectral interferences encountered during the analysis.

L0608842-11 has an elevated limit of detection due to the 10x dilution required to quantitate the sample within the calibration curve.

The sample and the WG244139-1 Na duplicate are less than 5X the element's RL. The RPD for this element is valid.

Semi-Volatile Organics

L0608842-01:

The requested limits were not achieved for the following compounds: Nitrobenzene, Aniline, 4-Chloroaniline, 2,4-Dichlorophenol, 2-Nitrophenol, 4-Nitrophenol, 2,4-Dinitrophenol, Phenol, 2-Methylphenol and 2,4,5-Trichlorophenol.

L0608842-09, -10, -11, -12 and -14:

The requested limits were not achieved for Nitrobenzene, Aniline, 4-Chloroaniline, 2,4-Dichlorophenol, 2-Nitrophenol, 4-Nitrophenol, 2,4-Dinitrophenol, Phenol, 2-Methylphenol, 2,4,5-Trichlorophenol.

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

L0608842-01 (5X)

L0608842-02 (2x)

The WG244098 LCS has a high recovery for 2,4-Dinitrotoluene.

The WG244098 MS has a low recovery for 2,4-Dinitrophenol and a high recovery for 2,4-

**ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT**

Laboratory Job Number: L0608842

Continued

Dinitrotoluene.

The WG244098 MSD has low recoveries for Hexachloropropene and 2,4-Dinitrophenol. The unacceptable percent recoveries are attributed to sample matrix.

The WG244291-LCS has a high recovery for 2,4-Dinitrotoluene.

The WG244291 MS has high recoveries for 4-Nitrophenol and 2,4-Dinitrotoluene.

The WG244731 LCS has a high recovery for 2,4-Dinitrotoluene.

The WG244731 MS has a low recovery for 2,4-Dinitrophenol.

The WG244731 MSD has a low recovery for 2,4-Dinitrophenol.

PAH-LOW

The requested limits were not achieved for Benzo(b)fluoranthene, Benzo(k)fluoranthene and Chrysene on L0608842-01, and -03 through -08.

The requested limits were not achieved for Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene and Indeno(1,2,3-cd)pyrene on L0608842-09, -10, -11, -12 and -14.

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

L0608842-01 (20x)

L0608842-04 (5x)

L0608842-08 (5x)

The following samples have elevated limits of detection due to analytical dilutions required by the matrix of the samples:

L0608842-02 (10x)

L0608842-07 (2x)

The WG244101 MS and MSD were not analyzed because the dilution required by the associated sample which would cause the spike compounds and surrogates to be diluted below the calibration.

Volatile Organics

Re-analysis on dilution was required in order to quantitate the sample 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. The dilution is as follows:

L0608842-02 (1000X)

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0608842

Continued

L0608842-03 (2X)

L0608842-04 (20X)

L0608842-12 (10x)

L0608842-14 (4x) pH>2

L0608842-12 has elevated limits of detection due to the 2x dilutions required by the elevated concentrations of target compounds in the sample.

L0608842-02 Concentration of target analyte n-Butylbenzene should be considered estimated in diluted run due to co-elution with non-target compounds. This compound was not detected in initial run due to high concentration of non-target compounds.

L0608842-02 Concentration of target analyte isopropyl benzene should be considered estimated in initial run - it exceeds upper limit of Initial Calibration curve. It was not detected in diluted run due dilutions necessary to quantitate high concentration target compounds.

L0608842-03, 04 Concentration of target analyte n-Butylbenzene should be considered estimated due to co-elution with non-target compounds.

L0608842-14 has a pH of >2.

**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: L0608842-01
S-1 (1-3')
Sample Matrix: SOIL

Date Collected: 21-JUN-2006 08:50
Date Received : 22-JUN-2006
Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	85	%	0.10	30 2540G	0623 17:28	PD
Total Metals				1 3051		
Antimony, Total	ND	mg/kg	2.3	1 6010B	0623 12:30 0624 21:39	MG
Arsenic, Total	1.0	mg/kg	0.47	1 6010B	0623 12:30 0624 21:39	MG
Beryllium, Total	0.38	mg/kg	0.23	1 6010B	0623 12:30 0624 21:39	MG
Cadmium, Total	ND	mg/kg	0.47	1 6010B	0623 12:30 0624 21:39	MG
Chromium, Total	26	mg/kg	0.47	1 6010B	0623 12:30 0624 21:39	MG
Copper, Total	28	mg/kg	0.47	1 6010B	0623 12:30 0624 21:39	MG
Lead, Total	18	mg/kg	2.3	1 6010B	0623 12:30 0624 21:39	MG
Mercury, Total	ND	mg/kg	0.10	1 7471A	0626 21:00 0627 19:08	HG
Nickel, Total	18	mg/kg	1.2	1 6010B	0623 12:30 0624 21:39	MG
Selenium, Total	ND	mg/kg	0.93	1 6010B	0623 12:30 0624 21:39	MG
Silver, Total	ND	mg/kg	0.47	1 6010B	0623 12:30 0624 21:39	MG
Thallium, Total	ND	mg/kg	0.93	1 6010B	0623 12:30 0628 11:57	MG
Zinc, Total	34	mg/kg	2.3	1 6010B	0623 12:30 0624 21:39	MG
Volatile Organics by GC/MS 8260				1 8260B	0626 18:49	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	ND	ug/kg	2.9			
1,1,1-Trichloroethane	ND	ug/kg	2.9			
Bromodichloromethane	ND	ug/kg	2.9			
trans-1,3-Dichloropropene	ND	ug/kg	2.9			
cis-1,3-Dichloropropene	ND	ug/kg	2.9			
1,1-Dichloropropene	ND	ug/kg	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			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-01
S-1 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0626 18:49 PD	
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.				
1,4-Dichlorobutane	ND	ug/kg	29.				
Iodomethane	ND	ug/kg	29.				
1,2,3-Trichloropropane	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.				
Ethyl methacrylate	ND	ug/kg	29.				
Acrolein	ND	ug/kg	74.				
Acrylonitrile	ND	ug/kg	29.				
Bromochloromethane	ND	ug/kg	15.				
Tetrahydrofuran	ND	ug/kg	59.				
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.				

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-01
S-1 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0626 18:49 PD	
1,2,4-Trichlorobenzene	ND	ug/kg	15.			
1,3,5-Trimethylbenzene	ND	ug/kg	15.			
1,2,4-Trimethylbenzene	ND	ug/kg	15.			
trans-1,4-Dichloro-2-butene	ND	ug/kg	15.			
Ethyl ether	ND	ug/kg	15.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	90.0	%	70-130			
Toluene-d8	91.0	%	70-130			
4-Bromofluorobenzene	105	%	70-130			
Dibromofluoromethane	88.0	%	70-130			
SVOC's by GC/MS 8270				1 8270C	0623 14:45 0627 01:07 RL	
Acenaphthene	ND	ug/kg	2000			
Benzidine	ND	ug/kg	20000			
1,2,4-Trichlorobenzene	ND	ug/kg	2000			
Hexachlorobenzene	ND	ug/kg	2000			
Bis(2-chloroethyl)ether	ND	ug/kg	2000			
1-Chloronaphthalene	ND	ug/kg	2000			
2-Chloronaphthalene	ND	ug/kg	2400			
1,2-Dichlorobenzene	ND	ug/kg	2000			
1,3-Dichlorobenzene	ND	ug/kg	2000			
1,4-Dichlorobenzene	ND	ug/kg	2000			
3,3'-Dichlorobenzidine	ND	ug/kg	3900			
2,4-Dinitrotoluene	ND	ug/kg	2000			
2,6-Dinitrotoluene	ND	ug/kg	2000			
Azobenzene	ND	ug/kg	2000			
Fluoranthene	7000	ug/kg	2000			
4-Chlorophenyl phenyl ether	ND	ug/kg	2000			
4-Bromophenyl phenyl ether	ND	ug/kg	2000			
Bis(2-chloroisopropyl)ether	ND	ug/kg	2000			
Bis(2-chloroethoxy)methane	ND	ug/kg	2000			
Hexachlorobutadiene	ND	ug/kg	3900			
Hexachlorocyclopentadiene	ND	ug/kg	3900			
Hexachloroethane	ND	ug/kg	2000			
Isophorone	ND	ug/kg	2000			
Naphthalene	ND	ug/kg	2000			
Nitrobenzene	ND	ug/kg	2000			
NDPA/DPA	ND	ug/kg	5900			
n-Nitrosodi-n-propylamine	ND	ug/kg	2000			
Bis(2-ethylhexyl)phthalate	ND	ug/kg	3900			
Butyl benzyl phthalate	ND	ug/kg	2000			
Di-n-butylphthalate	ND	ug/kg	2000			
Di-n-octylphthalate	ND	ug/kg	2000			
Diethyl phthalate	ND	ug/kg	2000			
Dimethyl phthalate	ND	ug/kg	2000			
Benzo(a)anthracene	3500	ug/kg	2000			
Benzo(a)pyrene	3200	ug/kg	2000			
Benzo(b)fluoranthene	2800	ug/kg	2000			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-01
S-1 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0627 01:07 RL
Benzo(k)fluoranthene	3000	ug/kg	2000				
Chrysene	3600	ug/kg	2000				
Acenaphthylene	ND	ug/kg	2000				
Anthracene	ND	ug/kg	2000				
Benzo(ghi)perylene	2800	ug/kg	2000				
Fluorene	ND	ug/kg	2000				
Phenanthrene	4600	ug/kg	2000				
Dibenzo(a,h)anthracene	ND	ug/kg	2000				
Indeno(1,2,3-cd)pyrene	2600	ug/kg	2000				
Pyrene	6100	ug/kg	2000				
Benzo(e)pyrene	2600	ug/kg	2000				
Biphenyl	ND	ug/kg	2000				
Perylene	ND	ug/kg	2000				
Aniline	ND	ug/kg	3900				
4-Chloroaniline	ND	ug/kg	2000				
1-Methylnaphthalene	ND	ug/kg	2000				
2-Nitroaniline	ND	ug/kg	2000				
3-Nitroaniline	ND	ug/kg	2000				
4-Nitroaniline	ND	ug/kg	2700				
Dibenzofuran	ND	ug/kg	2000				
a,a-Dimethylphenethylamine	ND	ug/kg	20000				
Hexachloropropene	ND	ug/kg	3900				
Nitrosodi-n-butylamine	ND	ug/kg	3900				
2-Methylnaphthalene	ND	ug/kg	2000				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	7800				
Pentachlorobenzene	ND	ug/kg	7800				
a-Naphthylamine	ND	ug/kg	7800				
b-Naphthylamine	ND	ug/kg	7800				
Phenacetin	ND	ug/kg	3900				
Dimethoate	ND	ug/kg	7800				
4-Aminobiphenyl	ND	ug/kg	3900				
Pentachloronitrobenzene	ND	ug/kg	3900				
Isodrin	ND	ug/kg	3900				
p-Dimethylaminoazobenzene	ND	ug/kg	3900				
Chlorobenzilate	ND	ug/kg	7800				
3-Methylcholanthrene	ND	ug/kg	7800				
Ethyl Methanesulfonate	ND	ug/kg	5900				
Acetophenone	ND	ug/kg	7800				
Nitrosodipiperidine	ND	ug/kg	7800				
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	3900				
n-Nitrosodimethylamine	ND	ug/kg	20000				
2,4,6-Trichlorophenol	ND	ug/kg	2000				
p-Chloro-m-cresol	ND	ug/kg	2000				
2-Chlorophenol	ND	ug/kg	2400				
2,4-Dichlorophenol	ND	ug/kg	3900				
2,4-Dimethylphenol	ND	ug/kg	2000				
2-Nitrophenol	ND	ug/kg	7800				
4-Nitrophenol	ND	ug/kg	3900				
2,4-Dinitrophenol	ND	ug/kg	7800				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-01
S-1 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0627 01:07 RL
4,6-Dinitro-o-cresol	ND	ug/kg	7800				
Pentachlorophenol	ND	ug/kg	7800				
Phenol	ND	ug/kg	2700				
2-Methylphenol	ND	ug/kg	2400				
3-Methylphenol/4-Methylphenol	ND	ug/kg	2400				
2,4,5-Trichlorophenol	ND	ug/kg	2000				
2,6-Dichlorophenol	ND	ug/kg	3900				
Benzoic Acid	ND	ug/kg	20000				
Benzyl Alcohol	ND	ug/kg	3900				
Carbazole	ND	ug/kg	2000				
Pyridine	ND	ug/kg	20000				
2-Picoline	ND	ug/kg	7800				
Pronamide	ND	ug/kg	7800				
Methyl methanesulfonate	ND	ug/kg	7800				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	89.0	%	25-120				
Phenol-d6	115	%	10-120				
Nitrobenzene-d5	94.0	%	23-120				
2-Fluorobiphenyl	92.0	%	30-120				
2,4,6-Tribromophenol	95.0	%	19-120				
4-Terphenyl-d14	99.0	%	18-120				
PAH by GC/MS SIM 8270M				1	8270C-M	0623 14:45	0628 01:09 RL
Acenaphthene	ND	ug/kg	310				
2-Chloronaphthalene	ND	ug/kg	310				
Fluoranthene	8100	ug/kg	310				
Hexachlorobutadiene	ND	ug/kg	780				
Naphthalene	ND	ug/kg	310				
Benzo(a)anthracene	3400	ug/kg	310				
Benzo(a)pyrene	2700	ug/kg	310				
Benzo(b)fluoranthene	3300	ug/kg	310				
Benzo(k)fluoranthene	2800	ug/kg	310				
Chrysene	3600	ug/kg	310				
Acenaphthylene	410	ug/kg	310				
Anthracene	1100	ug/kg	310				
Benzo(ghi)perylene	2500	ug/kg	310				
Fluorene	380	ug/kg	310				
Phenanthrene	4400	ug/kg	310				
Dibenzo(a,h)anthracene	480	ug/kg	310				
Indeno(1,2,3-cd)Pyrene	2000	ug/kg	310				
Pyrene	6400	ug/kg	310				
1-Methylnaphthalene	ND	ug/kg	310				
2-Methylnaphthalene	ND	ug/kg	310				
Pentachlorophenol	ND	ug/kg	1200				
Hexachlorobenzene	ND	ug/kg	1200				
Perylene	880	ug/kg	310				
Biphenyl	ND	ug/kg	310				
2,6-Dimethylnaphthalene	ND	ug/kg	310				

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-01
S-1 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0623 14:45	0628 01:09 RL
1-Methylphenanthrene	560	ug/kg	310				
Benzo(e)Pyrene	2400	ug/kg	310				
Hexachloroethane	ND	ug/kg	1200				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	94.0	%	25-120				
Phenol-d6	111	%	10-120				
Nitrobenzene-d5	105	%	23-120				
2-Fluorobiphenyl	89.0	%	30-120				
2,4,6-Tribromophenol	70.0	%	19-120				
4-Terphenyl-d14	109	%	18-120				

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: L0608842-02

Date Collected: 21-JUN-2006 11:30

S-2 (2-4')

Date Received : 22-JUN-2006

Sample Matrix: SOIL

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	86	%	0.10	30 2540G	0623 17:28	PD
Total Metals				1 3051		
Antimony, Total	ND	mg/kg	2.3	1 6010B	0623 12:30 0624 21:50	MG
Arsenic, Total	2.5	mg/kg	0.46	1 6010B	0623 12:30 0624 21:50	MG
Beryllium, Total	0.38	mg/kg	0.23	1 6010B	0623 12:30 0624 21:50	MG
Cadmium, Total	ND	mg/kg	0.46	1 6010B	0623 12:30 0624 21:50	MG
Chromium, Total	24	mg/kg	0.46	1 6010B	0623 12:30 0624 21:50	MG
Copper, Total	45	mg/kg	0.46	1 6010B	0623 12:30 0624 21:50	MG
Lead, Total	240	mg/kg	2.3	1 6010B	0623 12:30 0624 21:50	MG
Mercury, Total	0.29	mg/kg	0.09	1 7471A	0626 21:00 0627 19:09	HG
Nickel, Total	17	mg/kg	1.2	1 6010B	0623 12:30 0624 21:50	MG
Selenium, Total	ND	mg/kg	0.93	1 6010B	0623 12:30 0624 21:50	MG
Silver, Total	ND	mg/kg	0.46	1 6010B	0623 12:30 0624 21:50	MG
Thallium, Total	ND	mg/kg	0.93	1 6010B	0623 12:30 0628 12:09	MG
Zinc, Total	570	mg/kg	4.6	1 6010B	0623 12:30 0628 12:09	MG
Volatile Organics by GC/MS 8260				1 8260B	0627 00:31	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.			
1,2-Dichloroethane	ND	ug/kg	2.9			
1,1,1-Trichloroethane	ND	ug/kg	2.9			
Bromodichloromethane	ND	ug/kg	2.9			
trans-1,3-Dichloropropene	ND	ug/kg	2.9			
cis-1,3-Dichloropropene	ND	ug/kg	2.9			
1,1-Dichloropropene	ND	ug/kg	14.			
Bromoform	ND	ug/kg	12.			
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9			
Benzene	250	ug/kg	2.9			
Toluene	250	ug/kg	4.4			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-02
S-2 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0627 00:31 PD	
Ethylbenzene	>500	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	32	ug/kg	5.8				
p/m-Xylene	>1000	ug/kg	5.8				
o-Xylene	130	ug/kg	5.8				
cis-1,2-Dichloroethene	ND	ug/kg	2.9				
Dibromomethane	ND	ug/kg	29.				
1,4-Dichlorobutane	ND	ug/kg	29.				
Iodomethane	ND	ug/kg	29.				
1,2,3-Trichloropropane	ND	ug/kg	29.				
Styrene	12	ug/kg	5.8				
Dichlorodifluoromethane	ND	ug/kg	29.				
Acetone	150	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.				
Ethyl methacrylate	ND	ug/kg	29.				
Acrolein	ND	ug/kg	73.				
Acrylonitrile	ND	ug/kg	29.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	58.				
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	510	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	1600	ug/kg	2.9				
p-Isopropyltoluene	360	ug/kg	2.9				
Naphthalene	>500	ug/kg	14				
n-Propylbenzene	>500	ug/kg	2.9				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-02
S-2 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd						
				1 8260B	0627 00:31 PD	
1,2,4-Trichlorobenzene	ND	ug/kg	14.			
1,3,5-Trimethylbenzene	>500	ug/kg	14			
1,2,4-Trimethylbenzene	>500	ug/kg	14			
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.			
Ethyl ether	ND	ug/kg	14.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	123	%	70-130			
Toluene-d8	117	%	70-130			
4-Bromofluorobenzene	118	%	70-130			
Dibromofluoromethane	74.0	%	70-130			
Volatile Organics by GC/MS 8260						
				1 8260B	0629 12:40 PD	
Ethylbenzene	6200	ug/kg	2900			
p/m-Xylene	48000	ug/kg	5800			
n-Butylbenzene	6200	ug/kg	2900			
Naphthalene	17000	ug/kg	14000			
n-Propylbenzene	5300	ug/kg	2900			
1,3,5-Trimethylbenzene	19000	ug/kg	14000			
1,2,4-Trimethylbenzene	55000	ug/kg	14000			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	102	%	70-130			
Toluene-d8	97.0	%	70-130			
4-Bromofluorobenzene	97.0	%	70-130			
Dibromofluoromethane	99.0	%	70-130			
SVOC's by GC/MS 8270						
				1 8270C	0628 16:15 0629 02:51 RL	
Acenaphthene	ND	ug/kg	780			
Benzidine	ND	ug/kg	7800			
1,2,4-Trichlorobenzene	ND	ug/kg	780			
Hexachlorobenzene	ND	ug/kg	780			
Bis(2-chloroethyl)ether	ND	ug/kg	780			
1-Chloronaphthalene	ND	ug/kg	780			
2-Chloronaphthalene	ND	ug/kg	930			
1,2-Dichlorobenzene	ND	ug/kg	780			
1,3-Dichlorobenzene	ND	ug/kg	780			
1,4-Dichlorobenzene	ND	ug/kg	780			
3,3'-Dichlorobenzidine	ND	ug/kg	1600			
2,4-Dinitrotoluene	ND	ug/kg	780			
2,6-Dinitrotoluene	ND	ug/kg	780			
Azobenzene	ND	ug/kg	780			
Fluoranthene	1700	ug/kg	780			
4-Chlorophenyl phenyl ether	ND	ug/kg	780			
4-Bromophenyl phenyl ether	ND	ug/kg	780			
Bis(2-chloroisopropyl)ether	ND	ug/kg	780			
Bis(2-chloroethoxy)methane	ND	ug/kg	780			
Hexachlorobutadiene	ND	ug/kg	1600			
Hexachlorocyclopentadiene	ND	ug/kg	1600			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-02
S-2 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0628 16:15	0629 02:51 RL
Hexachloroethane	ND	ug/kg	780				
Isophorone	ND	ug/kg	780				
Naphthalene	4000	ug/kg	780				
Nitrobenzene	ND	ug/kg	780				
NDPA/DPA	ND	ug/kg	2300				
n-Nitrosodi-n-propylamine	ND	ug/kg	780				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	1600				
Butyl benzyl phthalate	ND	ug/kg	780				
Di-n-butylphthalate	ND	ug/kg	780				
Di-n-octylphthalate	ND	ug/kg	780				
Diethyl phthalate	ND	ug/kg	780				
Dimethyl phthalate	ND	ug/kg	780				
Benzo(a)anthracene	ND	ug/kg	780				
Benzo(a)pyrene	ND	ug/kg	780				
Benzo(b)fluoranthene	810	ug/kg	780				
Benzo(k)fluoranthene	ND	ug/kg	780				
Chrysene	820	ug/kg	780				
Acenaphthylene	ND	ug/kg	780				
Anthracene	ND	ug/kg	780				
Benzo(ghi)perylene	ND	ug/kg	780				
Fluorene	ND	ug/kg	780				
Phenanthrene	1400	ug/kg	780				
Dibenzo(a,h)anthracene	ND	ug/kg	780				
Indeno(1,2,3-cd)pyrene	ND	ug/kg	780				
Pyrene	1600	ug/kg	780				
Benzo(e)pyrene	ND	ug/kg	780				
Biphenyl	ND	ug/kg	780				
Perylene	ND	ug/kg	780				
Aniline	ND	ug/kg	1600				
4-Chloroaniline	ND	ug/kg	780				
1-Methylnaphthalene	1200	ug/kg	780				
2-Nitroaniline	ND	ug/kg	780				
3-Nitroaniline	ND	ug/kg	780				
4-Nitroaniline	ND	ug/kg	1100				
Dibenzofuran	ND	ug/kg	780				
a,a-Dimethylphenethylamine	ND	ug/kg	7800				
Hexachloropropene	ND	ug/kg	1600				
Nitrosodi-n-butylamine	ND	ug/kg	1600				
2-Methylnaphthalene	1600	ug/kg	780				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	3100				
Pentachlorobenzene	ND	ug/kg	3100				
a-Naphthylamine	ND	ug/kg	3100				
b-Naphthylamine	ND	ug/kg	3100				
Phenacetin	ND	ug/kg	1600				
Dimethoate	ND	ug/kg	3100				
4-Aminobiphenyl	ND	ug/kg	1600				
Pentachloronitrobenzene	ND	ug/kg	1600				
Isodrin	ND	ug/kg	1600				
p-Dimethylaminoazobenzene	ND	ug/kg	1600				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-02
S-2 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0628 16:15	0629 02:51 RL
Chlorobenzilate	ND	ug/kg	3100				
3-Methylcholanthrene	ND	ug/kg	3100				
Ethyl Methanesulfonate	ND	ug/kg	2300				
Acetophenone	ND	ug/kg	3100				
Nitrosodipiperidine	ND	ug/kg	3100				
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	1600				
n-Nitrosodimethylamine	ND	ug/kg	7800				
2,4,6-Trichlorophenol	ND	ug/kg	780				
p-Chloro-m-cresol	ND	ug/kg	780				
2-Chlorophenol	ND	ug/kg	930				
2,4-Dichlorophenol	ND	ug/kg	1600				
2,4-Dimethylphenol	ND	ug/kg	780				
2-Nitrophenol	ND	ug/kg	3100				
4-Nitrophenol	ND	ug/kg	1600				
2,4-Dinitrophenol	ND	ug/kg	3100				
4,6-Dinitro-o-cresol	ND	ug/kg	3100				
Pentachlorophenol	ND	ug/kg	3100				
Phenol	ND	ug/kg	1100				
2-Methylphenol	ND	ug/kg	930				
3-Methylphenol/4-Methylphenol	ND	ug/kg	930				
2,4,5-Trichlorophenol	ND	ug/kg	780				
2,6-Dichlorophenol	ND	ug/kg	1600				
Benzoic Acid	ND	ug/kg	7800				
Benzyl Alcohol	ND	ug/kg	1600				
Carbazole	ND	ug/kg	780				
Pyridine	ND	ug/kg	7800				
2-Picoline	ND	ug/kg	3100				
Pronamide	ND	ug/kg	3100				
Methyl methanesulfonate	ND	ug/kg	3100				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	87.0	%	25-120				
Phenol-d6	108	%	10-120				
Nitrobenzene-d5	103	%	23-120				
2-Fluorobiphenyl	99.0	%	30-120				
2,4,6-Tribromophenol	90.0	%	19-120				
4-Terphenyl-d14	104	%	18-120				
PAH by GC/MS SIM 8270M				1	8270C-M	0628 16:15	0629 06:06 RL
Acenaphthene	ND	ug/kg	160				
2-Chloronaphthalene	ND	ug/kg	160				
Fluoranthene	1800	ug/kg	160				
Hexachlorobutadiene	ND	ug/kg	390				
Naphthalene	3800	ug/kg	160				
Benzo(a)anthracene	710	ug/kg	160				
Benzo(a)pyrene	740	ug/kg	160				
Benzo(b)fluoranthene	890	ug/kg	160				
Benzo(k)fluoranthene	790	ug/kg	160				
Chrysene	820	ug/kg	160				

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-02
S-2 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0628 16:15	0629 06:06	RL
Acenaphthylene	210	ug/kg	160					
Anthracene	330	ug/kg	160					
Benzo(ghi)perylene	660	ug/kg	160					
Fluorene	280	ug/kg	160					
Phenanthrene	1300	ug/kg	160					
Dibenzo(a,h)anthracene	170	ug/kg	160					
Indeno(1,2,3-cd)Pyrene	590	ug/kg	160					
Pyrene	1500	ug/kg	160					
1-Methylnaphthalene	950	ug/kg	160					
2-Methylnaphthalene	1600	ug/kg	160					
Pentachlorophenol	ND	ug/kg	620					
Hexachlorobenzene	ND	ug/kg	620					
Perylene	250	ug/kg	160					
Biphenyl	ND	ug/kg	160					
2,6-Dimethylnaphthalene	300	ug/kg	160					
1-Methylphenanthrene	230	ug/kg	160					
Benzo(e)Pyrene	620	ug/kg	160					
Hexachloroethane	ND	ug/kg	620					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	94.0	%	25-120					
Phenol-d6	113	%	10-120					
Nitrobenzene-d5	104	%	23-120					
2-Fluorobiphenyl	94.0	%	30-120					
2,4,6-Tribromophenol	70.0	%	19-120					
4-Terphenyl-d14	102	%	18-120					

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: L0608842-03

Date Collected: 21-JUN-2006 08:20

S-3 (4-6')

Date Received : 22-JUN-2006

Sample Matrix: SOIL

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
Solids, Total	90	%	0.10	30 2540G	0623 12:30	0624 21:54 PD
Total Metals				1 3051		
Antimony, Total	ND	mg/kg	2.2	1 6010B	0623 12:30	0624 21:54 MG
Arsenic, Total	9.2	mg/kg	0.44	1 6010B	0623 12:30	0624 21:54 MG
Beryllium, Total	0.24	mg/kg	0.22	1 6010B	0623 12:30	0624 21:54 MG
Cadmium, Total	ND	mg/kg	0.44	1 6010B	0623 12:30	0624 21:54 MG
Chromium, Total	16	mg/kg	0.44	1 6010B	0623 12:30	0624 21:54 MG
Copper, Total	13	mg/kg	0.44	1 6010B	0623 12:30	0624 21:54 MG
Lead, Total	9.0	mg/kg	2.2	1 6010B	0623 12:30	0624 21:54 MG
Mercury, Total	ND	mg/kg	0.09	1 7471A	0626 21:00	0627 19:11 HG
Nickel, Total	16	mg/kg	1.1	1 6010B	0623 12:30	0624 21:54 MG
Selenium, Total	ND	mg/kg	0.88	1 6010B	0623 12:30	0624 21:54 MG
Silver, Total	ND	mg/kg	0.44	1 6010B	0623 12:30	0624 21:54 MG
Thallium, Total	ND	mg/kg	0.88	1 6010B	0623 12:30	0628 12:13 MG
Zinc, Total	380	mg/kg	2.2	1 6010B	0623 12:30	0624 21:54 MG
Zinc, Total	450	mg/kg	4.4	1 6010B	0623 12:30	0628 12:13 MG
Volatile Organics by GC/MS 8260				1 8260B	0629 10:32	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.			
1,2-Dichloroethane	ND	ug/kg	2.8			
1,1,1-Trichloroethane	ND	ug/kg	2.8			
Bromodichloromethane	ND	ug/kg	2.8			
trans-1,3-Dichloropropene	ND	ug/kg	2.8			
cis-1,3-Dichloropropene	ND	ug/kg	2.8			
1,1-Dichloropropene	ND	ug/kg	14.			
Bromoform	ND	ug/kg	11.			
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8			
Benzene	ND	ug/kg	2.8			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-03
S-3 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0629 10:32 PD	
Toluene	ND	ug/kg	4.2				
Ethylbenzene	4.8	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	29	ug/kg	5.6				
o-Xylene	30	ug/kg	5.6				
cis-1,2-Dichloroethene	ND	ug/kg	2.8				
Dibromomethane	ND	ug/kg	28.				
1,4-Dichlorobutane	ND	ug/kg	28.				
Iodomethane	ND	ug/kg	28.				
1,2,3-Trichloropropane	ND	ug/kg	28.				
Styrene	ND	ug/kg	5.6				
Dichlorodifluoromethane	ND	ug/kg	28.				
Acetone	83	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.				
Ethyl methacrylate	ND	ug/kg	28.				
Acrolein	ND	ug/kg	69.				
Acrylonitrile	ND	ug/kg	28.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	56.				
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	160	ug/kg	2.8				
sec-Butylbenzene	32	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	29	ug/kg	2.8				
p-Isopropyltoluene	14	ug/kg	2.8				
Naphthalene	37	ug/kg	14				
n-Propylbenzene	83	ug/kg	2.8				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-03
S-3 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd						
				1 8260B	0629 10:32 PD	
1,2,3-Trichlorobenzene	ND	ug/kg	14.			
1,2,4-Trichlorobenzene	ND	ug/kg	14.			
1,3,5-Trimethylbenzene	290	ug/kg	14			
1,2,4-Trimethylbenzene	>500	ug/kg	14			
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.			
Ethyl ether	ND	ug/kg	14.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	106	%	70-130			
Toluene-d8	104	%	70-130			
4-Bromofluorobenzene	126	%	70-130			
Dibromofluoromethane	84.0	%	70-130			
Volatile Organics by GC/MS 8260						
				1 8260B	0629 14:06 PD	
1,2,4-Trimethylbenzene	760	ug/kg	28			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	104	%	70-130			
Toluene-d8	103	%	70-130			
4-Bromofluorobenzene	124	%	70-130			
Dibromofluoromethane	91.0	%	70-130			
SVOC's by GC/MS 8270						
				1 8270C	0623 14:45 0628 02:56 RL	
Acenaphthene	ND	ug/kg	370			
Benzidine	ND	ug/kg	3700			
1,2,4-Trichlorobenzene	ND	ug/kg	370			
Hexachlorobenzene	ND	ug/kg	370			
Bis(2-chloroethyl)ether	ND	ug/kg	370			
1-Chloronaphthalene	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			
Azobenzene	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			
NDPA/DPA	ND	ug/kg	1100			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-03
S-3 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0628 02:56 RL
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				
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				
Benzo(e)pyrene	ND	ug/kg	370				
Biphenyl	ND	ug/kg	370				
Perylene	ND	ug/kg	370				
Aniline	ND	ug/kg	740				
4-Chloroaniline	ND	ug/kg	370				
1-Methylnaphthalene	400	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				
a,a-Dimethylphenethylamine	ND	ug/kg	3700				
Hexachloropropene	ND	ug/kg	740				
Nitrosodi-n-butylamine	ND	ug/kg	740				
2-Methylnaphthalene	ND	ug/kg	370				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500				
Pentachlorobenzene	ND	ug/kg	1500				
a-Naphthylamine	ND	ug/kg	1500				
b-Naphthylamine	ND	ug/kg	1500				
Phenacetin	ND	ug/kg	740				
Dimethoate	ND	ug/kg	1500				
4-Aminobiphenyl	ND	ug/kg	740				
Pentachloronitrobenzene	ND	ug/kg	740				
Isodrin	ND	ug/kg	740				
p-Dimethylaminoazobenzene	ND	ug/kg	740				
Chlorobenzilate	ND	ug/kg	1500				
3-Methylcholanthrene	ND	ug/kg	1500				
Ethyl Methanesulfonate	ND	ug/kg	1100				
Acetophenone	ND	ug/kg	1500				
Nitrosodipiperidine	ND	ug/kg	1500				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-03
S-3 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd				1 8270C	0623 14:45 0628 02:56 RL	
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	740			
n-Nitrosodimethylamine	ND	ug/kg	3700			
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			
2,6-Dichlorophenol	ND	ug/kg	740			
Benzoic Acid	ND	ug/kg	3700			
Benzyl Alcohol	ND	ug/kg	740			
Carbazole	ND	ug/kg	370			
Pyridine	ND	ug/kg	3700			
2-Picoline	ND	ug/kg	1500			
Pronamide	ND	ug/kg	1500			
Methyl methanesulfonate	ND	ug/kg	1500			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	78.0	%	25-120			
Phenol-d6	103	%	10-120			
Nitrobenzene-d5	89.0	%	23-120			
2-Fluorobiphenyl	83.0	%	30-120			
2,4,6-Tribromophenol	84.0	%	19-120			
4-Terphenyl-d14	87.0	%	18-120			
PAH by GC/MS SIM 8270M				1 8270C-M	0623 14:45 0628 01:55 RL	
Acenaphthene	ND	ug/kg	15.			
2-Chloronaphthalene	ND	ug/kg	15.			
Fluoranthene	90	ug/kg	15			
Hexachlorobutadiene	ND	ug/kg	37.			
Naphthalene	100	ug/kg	15			
Benzo(a)anthracene	40	ug/kg	15			
Benzo(a)pyrene	30	ug/kg	15			
Benzo(b)fluoranthene	32	ug/kg	15			
Benzo(k)fluoranthene	46	ug/kg	15			
Chrysene	50	ug/kg	15			
Acenaphthylene	ND	ug/kg	15.			
Anthracene	15	ug/kg	15			
Benzo(ghi)perylene	27	ug/kg	15			
Fluorene	16	ug/kg	15			
Phenanthrene	75	ug/kg	15			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-03
S-3 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0623 14:45 0628 01:55	RL
Dibenzo(a,h)anthracene	ND	ug/kg	15.				
Indeno(1,2,3-cd)Pyrene	21	ug/kg	15				
Pyrene	93	ug/kg	15				
1-Methylnaphthalene	200	ug/kg	15				
2-Methylnaphthalene	170	ug/kg	15				
Pentachlorophenol	ND	ug/kg	59.				
Hexachlorobenzene	ND	ug/kg	59.				
Perylene	16	ug/kg	15				
Biphenyl	ND	ug/kg	15.				
2,6-Dimethylnaphthalene	97	ug/kg	15				
1-Methylphenanthrene	54	ug/kg	15				
Benzo(e)Pyrene	31	ug/kg	15				
Hexachloroethane	ND	ug/kg	59.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	82.0	%	25-120				
Phenol-d6	107	%	10-120				
Nitrobenzene-d5	96.0	%	23-120				
2-Fluorobiphenyl	81.0	%	30-120				
2,4,6-Tribromophenol	62.0	%	19-120				
4-Terphenyl-d14	84.0	%	18-120				

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: L0608842-04

Date Collected: 21-JUN-2006 09:10

S-4 (2-4')

Date Received : 22-JUN-2006

Sample Matrix: SOIL

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	82	%	0.10	30 2540G	0623 17:28	PD
Total Metals				1 3051		
Antimony, Total	ND	mg/kg	2.4	1 6010B	0623 12:30 0624 21:57	MG
Arsenic, Total	10	mg/kg	0.48	1 6010B	0623 12:30 0624 21:57	MG
Beryllium, Total	0.28	mg/kg	0.24	1 6010B	0623 12:30 0624 21:57	MG
Cadmium, Total	0.87	mg/kg	0.48	1 6010B	0623 12:30 0624 21:57	MG
Chromium, Total	17	mg/kg	0.48	1 6010B	0623 12:30 0624 21:57	MG
Copper, Total	83	mg/kg	0.48	1 6010B	0623 12:30 0624 21:57	MG
Lead, Total	2400	mg/kg	2.4	1 6010B	0623 12:30 0624 21:57	MG
Mercury, Total	0.35	mg/kg	0.09	1 7471A	0626 21:00 0627 19:13	HG
Nickel, Total	11	mg/kg	1.2	1 6010B	0623 12:30 0624 21:57	MG
Selenium, Total	1.4	mg/kg	0.97	1 6010B	0623 12:30 0624 21:57	MG
Silver, Total	ND	mg/kg	0.48	1 6010B	0623 12:30 0624 21:57	MG
Thallium, Total	ND	mg/kg	0.48	1 6010B	0623 12:30 0624 21:57	MG
Zinc, Total	430	mg/kg	2.4	1 6010B	0623 12:30 0624 21:57	MG
Volatile Organics by GC/MS 8260				1 8260B	0626 20:57	PD
Methylene chloride	ND	ug/kg	30.			
1,1-Dichloroethane	ND	ug/kg	4.6			
Chloroform	ND	ug/kg	4.6			
Carbon tetrachloride	ND	ug/kg	3.0			
1,2-Dichloropropane	ND	ug/kg	11.			
Dibromochloromethane	ND	ug/kg	3.0			
1,1,2-Trichloroethane	ND	ug/kg	4.6			
Tetrachloroethene	ND	ug/kg	3.0			
Chlorobenzene	ND	ug/kg	3.0			
Trichlorofluoromethane	ND	ug/kg	15.			
1,2-Dichloroethane	ND	ug/kg	3.0			
1,1,1-Trichloroethane	ND	ug/kg	3.0			
Bromodichloromethane	ND	ug/kg	3.0			
trans-1,3-Dichloropropene	ND	ug/kg	3.0			
cis-1,3-Dichloropropene	ND	ug/kg	3.0			
1,1-Dichloropropene	ND	ug/kg	15.			
Bromoform	ND	ug/kg	12.			
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0			
Benzene	33	ug/kg	3.0			
Toluene	5.0	ug/kg	4.6			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-04
S-4 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0626 20:57 PD	
Ethylbenzene	270	ug/kg	3.0				
Chloromethane	ND	ug/kg	15.				
Bromomethane	ND	ug/kg	6.1				
Vinyl chloride	ND	ug/kg	6.1				
Chloroethane	ND	ug/kg	6.1				
1,1-Dichloroethene	ND	ug/kg	3.0				
trans-1,2-Dichloroethene	ND	ug/kg	4.6				
Trichloroethene	ND	ug/kg	3.0				
1,2-Dichlorobenzene	ND	ug/kg	15.				
1,3-Dichlorobenzene	ND	ug/kg	15.				
1,4-Dichlorobenzene	ND	ug/kg	15.				
Methyl tert butyl ether	ND	ug/kg	6.1				
p/m-Xylene	180	ug/kg	6.1				
o-Xylene	14	ug/kg	6.1				
cis-1,2-Dichloroethene	ND	ug/kg	3.0				
Dibromomethane	ND	ug/kg	30.				
1,4-Dichlorobutane	ND	ug/kg	30.				
Iodomethane	ND	ug/kg	30.				
1,2,3-Trichloropropane	ND	ug/kg	30.				
Styrene	ND	ug/kg	6.1				
Dichlorodifluoromethane	ND	ug/kg	30.				
Acetone	260	ug/kg	30				
Carbon disulfide	ND	ug/kg	30.				
2-Butanone	ND	ug/kg	30.				
Vinyl acetate	ND	ug/kg	30.				
4-Methyl-2-pentanone	ND	ug/kg	30.				
2-Hexanone	ND	ug/kg	30.				
Ethyl methacrylate	ND	ug/kg	30.				
Acrolein	ND	ug/kg	76.				
Acrylonitrile	ND	ug/kg	30.				
Bromochloromethane	ND	ug/kg	15.				
Tetrahydrofuran	ND	ug/kg	61.				
2,2-Dichloropropane	ND	ug/kg	15.				
1,2-Dibromoethane	ND	ug/kg	12.				
1,3-Dichloropropane	ND	ug/kg	15.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0				
Bromobenzene	ND	ug/kg	15.				
n-Butylbenzene	79	ug/kg	3.0				
sec-Butylbenzene	25	ug/kg	3.0				
tert-Butylbenzene	ND	ug/kg	15.				
o-Chlorotoluene	ND	ug/kg	15.				
p-Chlorotoluene	ND	ug/kg	15.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.				
Hexachlorobutadiene	ND	ug/kg	15.				
Isopropylbenzene	79	ug/kg	3.0				
p-Isopropyltoluene	13	ug/kg	3.0				
Naphthalene	160	ug/kg	15				
n-Propylbenzene	140	ug/kg	3.0				
1,2,3-Trichlorobenzene	ND	ug/kg	15.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-04
S-4 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd						
				1 8260B	0626 20:57 PD	
1,2,4-Trichlorobenzene	ND	ug/kg	15.			
1,3,5-Trimethylbenzene	580	ug/kg	15			
1,2,4-Trimethylbenzene	>500	ug/kg	15			
trans-1,4-Dichloro-2-butene	ND	ug/kg	15.			
Ethyl ether	ND	ug/kg	15.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	92.0	%	70-130			
Toluene-d8	92.0	%	70-130			
4-Bromofluorobenzene	102	%	70-130			
Dibromofluoromethane	88.0	%	70-130			
Volatile Organics by GC/MS 8260						
				1 8260B	0629 11:57 PD	
1,2,4-Trimethylbenzene	12000	ug/kg	300			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	101	%	70-130			
Toluene-d8	98.0	%	70-130			
4-Bromofluorobenzene	104	%	70-130			
Dibromofluoromethane	95.0	%	70-130			
SVOC's by GC/MS 8270						
				1 8270C	0623 14:45 0628 03:21 RL	
Acenaphthene	ND	ug/kg	410			
Benzidine	ND	ug/kg	4100			
1,2,4-Trichlorobenzene	ND	ug/kg	410			
Hexachlorobenzene	ND	ug/kg	410			
Bis(2-chloroethyl)ether	ND	ug/kg	410			
1-Chloronaphthalene	ND	ug/kg	410			
2-Chloronaphthalene	ND	ug/kg	490			
1,2-Dichlorobenzene	ND	ug/kg	410			
1,3-Dichlorobenzene	ND	ug/kg	410			
1,4-Dichlorobenzene	ND	ug/kg	410			
3,3'-Dichlorobenzidine	ND	ug/kg	810			
2,4-Dinitrotoluene	ND	ug/kg	410			
2,6-Dinitrotoluene	ND	ug/kg	410			
Azobenzene	ND	ug/kg	410			
Fluoranthene	1800	ug/kg	410			
4-Chlorophenyl phenyl ether	ND	ug/kg	410			
4-Bromophenyl phenyl ether	ND	ug/kg	410			
Bis(2-chloroisopropyl)ether	ND	ug/kg	410			
Bis(2-chloroethoxy)methane	ND	ug/kg	410			
Hexachlorobutadiene	ND	ug/kg	810			
Hexachlorocyclopentadiene	ND	ug/kg	810			
Hexachloroethane	ND	ug/kg	410			
Isophorone	ND	ug/kg	410			
Naphthalene	ND	ug/kg	410			
Nitrobenzene	ND	ug/kg	410			
NDPA/DPA	ND	ug/kg	1200			
n-Nitrosodi-n-propylamine	ND	ug/kg	410			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-04
S-4 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0628 03:21 RL
Bis(2-ethylhexyl)phthalate	ND	ug/kg	810				
Butyl benzyl phthalate	ND	ug/kg	410				
Di-n-butylphthalate	ND	ug/kg	410				
Di-n-octylphthalate	ND	ug/kg	410				
Diethyl phthalate	ND	ug/kg	410				
Dimethyl phthalate	ND	ug/kg	410				
Benzo(a)anthracene	870	ug/kg	410				
Benzo(a)pyrene	880	ug/kg	410				
Benzo(b)fluoranthene	840	ug/kg	410				
Benzo(k)fluoranthene	840	ug/kg	410				
Chrysene	1000	ug/kg	410				
Acenaphthylene	ND	ug/kg	410				
Anthracene	ND	ug/kg	410				
Benzo(ghi)perylene	650	ug/kg	410				
Fluorene	ND	ug/kg	410				
Phenanthrene	890	ug/kg	410				
Dibenzo(a,h)anthracene	ND	ug/kg	410				
Indeno(1,2,3-cd)pyrene	710	ug/kg	410				
Pyrene	1500	ug/kg	410				
Benzo(e)pyrene	690	ug/kg	410				
Biphenyl	ND	ug/kg	410				
Perylene	ND	ug/kg	410				
Aniline	ND	ug/kg	810				
4-Chloroaniline	ND	ug/kg	410				
1-Methylnaphthalene	ND	ug/kg	410				
2-Nitroaniline	ND	ug/kg	410				
3-Nitroaniline	ND	ug/kg	410				
4-Nitroaniline	ND	ug/kg	570				
Dibenzofuran	ND	ug/kg	410				
a,a-Dimethylphenethylamine	ND	ug/kg	4100				
Hexachloropropene	ND	ug/kg	810				
Nitrosodi-n-butylamine	ND	ug/kg	810				
2-Methylnaphthalene	ND	ug/kg	410				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600				
Pentachlorobenzene	ND	ug/kg	1600				
a-Naphthylamine	ND	ug/kg	1600				
b-Naphthylamine	ND	ug/kg	1600				
Phenacetin	ND	ug/kg	810				
Dimethoate	ND	ug/kg	1600				
4-Aminobiphenyl	ND	ug/kg	810				
Pentachloronitrobenzene	ND	ug/kg	810				
Isodrin	ND	ug/kg	810				
p-Dimethylaminoazobenzene	ND	ug/kg	810				
Chlorobenzilate	ND	ug/kg	1600				
3-Methylcholanthrene	ND	ug/kg	1600				
Ethyl Methanesulfonate	ND	ug/kg	1200				
Acetophenone	ND	ug/kg	1600				
Nitrosodipiperidine	ND	ug/kg	1600				
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	810				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-04
S-4 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd				1 8270C	0623 14:45 0628 03:21 RL	
n-Nitrosodimethylamine	ND	ug/kg	4100			
2,4,6-Trichlorophenol	ND	ug/kg	410			
p-Chloro-m-cresol	ND	ug/kg	410			
2-Chlorophenol	ND	ug/kg	490			
2,4-Dichlorophenol	ND	ug/kg	810			
2,4-Dimethylphenol	ND	ug/kg	410			
2-Nitrophenol	ND	ug/kg	1600			
4-Nitrophenol	ND	ug/kg	810			
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	570			
2-Methylphenol	ND	ug/kg	490			
3-Methylphenol/4-Methylphenol	ND	ug/kg	490			
2,4,5-Trichlorophenol	ND	ug/kg	410			
2,6-Dichlorophenol	ND	ug/kg	810			
Benzoic Acid	ND	ug/kg	4100			
Benzyl Alcohol	ND	ug/kg	810			
Carbazole	ND	ug/kg	410			
Pyridine	ND	ug/kg	4100			
2-Picoline	ND	ug/kg	1600			
Pronamide	ND	ug/kg	1600			
Methyl methanesulfonate	ND	ug/kg	1600			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	73.0	%	25-120			
Phenol-d6	96.0	%	10-120			
Nitrobenzene-d5	82.0	%	23-120			
2-Fluorobiphenyl	72.0	%	30-120			
2,4,6-Tribromophenol	76.0	%	19-120			
4-Terphenyl-d14	80.0	%	18-120			
PAH by GC/MS SIM 8270M				1 8270C-M	0623 14:45 0628 02:42 RL	
Acenaphthene	ND	ug/kg	81.			
2-Chloronaphthalene	ND	ug/kg	81.			
Fluoranthene	2300	ug/kg	81			
Hexachlorobutadiene	ND	ug/kg	200			
Naphthalene	370	ug/kg	81			
Benzo(a)anthracene	1000	ug/kg	81			
Benzo(a)pyrene	920	ug/kg	81			
Benzo(b)fluoranthene	1200	ug/kg	81			
Benzo(k)fluoranthene	840	ug/kg	81			
Chrysene	1100	ug/kg	81			
Acenaphthylene	190	ug/kg	81			
Anthracene	310	ug/kg	81			
Benzo(ghi)perylene	580	ug/kg	81			
Fluorene	100	ug/kg	81			
Phenanthrene	940	ug/kg	81			
Dibenzo(a,h)anthracene	160	ug/kg	81			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-04
S-4 (2-4')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID	
					PREP	ANAL		
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0623 14:45	0628 02:42	RL
Indeno(1,2,3-cd)Pyrene	590	ug/kg	81					
Pyrene	1700	ug/kg	81					
1-Methylnaphthalene	160	ug/kg	81					
2-Methylnaphthalene	180	ug/kg	81					
Pentachlorophenol	ND	ug/kg	320					
Hexachlorobenzene	ND	ug/kg	320					
Perylene	230	ug/kg	81					
Biphenyl	ND	ug/kg	81.					
2,6-Dimethylnaphthalene	ND	ug/kg	81.					
1-Methylphenanthrene	170	ug/kg	81					
Benzo(e)Pyrene	700	ug/kg	81					
Hexachloroethane	ND	ug/kg	320					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	88.0	%	25-120					
Phenol-d6	117	%	10-120					
Nitrobenzene-d5	98.0	%	23-120					
2-Fluorobiphenyl	86.0	%	30-120					
2,4,6-Tribromophenol	65.0	%	19-120					
4-Terphenyl-d14	101	%	18-120					

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: L0608842-05

Date Collected: 21-JUN-2006 09:40

S-5 (5-7')

Date Received : 22-JUN-2006

Sample Matrix: SOIL

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	79	%	0.10	30 2540G	0623 17:28	PD
Total Metals				1 3051		
Antimony, Total	ND	mg/kg	2.5	1 6010B	0623 12:30 0624 22:01	MG
Arsenic, Total	3.1	mg/kg	0.50	1 6010B	0623 12:30 0624 22:01	MG
Beryllium, Total	0.40	mg/kg	0.25	1 6010B	0623 12:30 0624 22:01	MG
Cadmium, Total	ND	mg/kg	0.50	1 6010B	0623 12:30 0624 22:01	MG
Chromium, Total	26	mg/kg	0.50	1 6010B	0623 12:30 0624 22:01	MG
Copper, Total	26	mg/kg	0.50	1 6010B	0623 12:30 0624 22:01	MG
Lead, Total	150	mg/kg	2.5	1 6010B	0623 12:30 0624 22:01	MG
Mercury, Total	0.16	mg/kg	0.09	1 7471A	0626 21:00 0627 19:15	HG
Nickel, Total	14	mg/kg	1.2	1 6010B	0623 12:30 0624 22:01	MG
Selenium, Total	ND	mg/kg	1.0	1 6010B	0623 12:30 0624 22:01	MG
Silver, Total	ND	mg/kg	0.50	1 6010B	0623 12:30 0624 22:01	MG
Thallium, Total	ND	mg/kg	1.0	1 6010B	0623 12:30 0628 12:17	MG
Zinc, Total	160	mg/kg	2.5	1 6010B	0623 12:30 0624 22:01	MG
Volatile Organics by GC/MS 8260				1 8260B	0629 11:15	PD
Methylene chloride	ND	ug/kg	32.			
1,1-Dichloroethane	ND	ug/kg	4.7			
Chloroform	ND	ug/kg	4.7			
Carbon tetrachloride	ND	ug/kg	3.2			
1,2-Dichloropropane	ND	ug/kg	11.			
Dibromochloromethane	ND	ug/kg	3.2			
1,1,2-Trichloroethane	ND	ug/kg	4.7			
Tetrachloroethene	ND	ug/kg	3.2			
Chlorobenzene	ND	ug/kg	3.2			
Trichlorofluoromethane	ND	ug/kg	16.			
1,2-Dichloroethane	ND	ug/kg	3.2			
1,1,1-Trichloroethane	ND	ug/kg	3.2			
Bromodichloromethane	ND	ug/kg	3.2			
trans-1,3-Dichloropropene	ND	ug/kg	3.2			
cis-1,3-Dichloropropene	ND	ug/kg	3.2			
1,1-Dichloropropene	ND	ug/kg	16.			
Bromoform	ND	ug/kg	13.			
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.2			
Benzene	ND	ug/kg	3.2			
Toluene	ND	ug/kg	4.7			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-05
S-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0629 11:15 PD	
Ethylbenzene	ND	ug/kg	3.2				
Chloromethane	ND	ug/kg	16.				
Bromomethane	ND	ug/kg	6.3				
Vinyl chloride	ND	ug/kg	6.3				
Chloroethane	ND	ug/kg	6.3				
1,1-Dichloroethene	ND	ug/kg	3.2				
trans-1,2-Dichloroethene	ND	ug/kg	4.7				
Trichloroethene	ND	ug/kg	3.2				
1,2-Dichlorobenzene	ND	ug/kg	16.				
1,3-Dichlorobenzene	ND	ug/kg	16.				
1,4-Dichlorobenzene	ND	ug/kg	16.				
Methyl tert butyl ether	ND	ug/kg	6.3				
p/m-Xylene	ND	ug/kg	6.3				
o-Xylene	ND	ug/kg	6.3				
cis-1,2-Dichloroethene	ND	ug/kg	3.2				
Dibromomethane	ND	ug/kg	32.				
1,4-Dichlorobutane	ND	ug/kg	32.				
Iodomethane	ND	ug/kg	32.				
1,2,3-Trichloropropane	ND	ug/kg	32.				
Styrene	ND	ug/kg	6.3				
Dichlorodifluoromethane	ND	ug/kg	32.				
Acetone	170	ug/kg	32				
Carbon disulfide	ND	ug/kg	32.				
2-Butanone	36	ug/kg	32				
Vinyl acetate	ND	ug/kg	32.				
4-Methyl-2-pentanone	ND	ug/kg	32.				
2-Hexanone	ND	ug/kg	32.				
Ethyl methacrylate	ND	ug/kg	32.				
Acrolein	ND	ug/kg	79.				
Acrylonitrile	ND	ug/kg	32.				
Bromochloromethane	ND	ug/kg	16.				
Tetrahydrofuran	ND	ug/kg	63.				
2,2-Dichloropropane	ND	ug/kg	16.				
1,2-Dibromoethane	ND	ug/kg	13.				
1,3-Dichloropropane	ND	ug/kg	16.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.2				
Bromobenzene	ND	ug/kg	16.				
n-Butylbenzene	ND	ug/kg	3.2				
sec-Butylbenzene	ND	ug/kg	3.2				
tert-Butylbenzene	ND	ug/kg	16.				
o-Chlorotoluene	ND	ug/kg	16.				
p-Chlorotoluene	ND	ug/kg	16.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	16.				
Hexachlorobutadiene	ND	ug/kg	16.				
Isopropylbenzene	ND	ug/kg	3.2				
p-Isopropyltoluene	ND	ug/kg	3.2				
Naphthalene	ND	ug/kg	16.				
n-Propylbenzene	ND	ug/kg	3.2				
1,2,3-Trichlorobenzene	ND	ug/kg	16.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-05
S-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0629 11:15 PD	
1,2,4-Trichlorobenzene	ND	ug/kg	16.			
1,3,5-Trimethylbenzene	ND	ug/kg	16.			
1,2,4-Trimethylbenzene	ND	ug/kg	16.			
trans-1,4-Dichloro-2-butene	ND	ug/kg	16.			
Ethyl ether	ND	ug/kg	16.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	101	%	70-130			
Toluene-d8	104	%	70-130			
4-Bromofluorobenzene	118	%	70-130			
Dibromofluoromethane	100	%	70-130			
SVOC's by GC/MS 8270				1 8270C	0623 14:45 0628 03:46 RL	
Acenaphthene	ND	ug/kg	420			
Benzidine	ND	ug/kg	4200			
1,2,4-Trichlorobenzene	ND	ug/kg	420			
Hexachlorobenzene	ND	ug/kg	420			
Bis(2-chloroethyl)ether	ND	ug/kg	420			
1-Chloronaphthalene	ND	ug/kg	420			
2-Chloronaphthalene	ND	ug/kg	510			
1,2-Dichlorobenzene	ND	ug/kg	420			
1,3-Dichlorobenzene	ND	ug/kg	420			
1,4-Dichlorobenzene	ND	ug/kg	420			
3,3'-Dichlorobenzidine	ND	ug/kg	840			
2,4-Dinitrotoluene	ND	ug/kg	420			
2,6-Dinitrotoluene	ND	ug/kg	420			
Azobenzene	ND	ug/kg	420			
Fluoranthene	ND	ug/kg	420			
4-Chlorophenyl phenyl ether	ND	ug/kg	420			
4-Bromophenyl phenyl ether	ND	ug/kg	420			
Bis(2-chloroisopropyl)ether	ND	ug/kg	420			
Bis(2-chloroethoxy)methane	ND	ug/kg	420			
Hexachlorobutadiene	ND	ug/kg	840			
Hexachlorocyclopentadiene	ND	ug/kg	840			
Hexachloroethane	ND	ug/kg	420			
Isophorone	ND	ug/kg	420			
Naphthalene	ND	ug/kg	420			
Nitrobenzene	ND	ug/kg	420			
NDPA/DPA	ND	ug/kg	1300			
n-Nitrosodi-n-propylamine	ND	ug/kg	420			
Bis(2-ethylhexyl)phthalate	ND	ug/kg	840			
Butyl benzyl phthalate	ND	ug/kg	420			
Di-n-butylphthalate	ND	ug/kg	420			
Di-n-octylphthalate	ND	ug/kg	420			
Diethyl phthalate	ND	ug/kg	420			
Dimethyl phthalate	ND	ug/kg	420			
Benzo(a)anthracene	ND	ug/kg	420			
Benzo(a)pyrene	ND	ug/kg	420			
Benzo(b)fluoranthene	ND	ug/kg	420			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-05
S-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0628 03:46	RL
Benzo(k)fluoranthene	ND	ug/kg	420					
Chrysene	ND	ug/kg	420					
Acenaphthylene	ND	ug/kg	420					
Anthracene	ND	ug/kg	420					
Benzo(ghi)perylene	ND	ug/kg	420					
Fluorene	ND	ug/kg	420					
Phenanthrene	ND	ug/kg	420					
Dibenzo(a,h)anthracene	ND	ug/kg	420					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	420					
Pyrene	ND	ug/kg	420					
Benzo(e)pyrene	ND	ug/kg	420					
Biphenyl	ND	ug/kg	420					
Perylene	ND	ug/kg	420					
Aniline	ND	ug/kg	840					
4-Chloroaniline	ND	ug/kg	420					
1-Methylnaphthalene	ND	ug/kg	420					
2-Nitroaniline	ND	ug/kg	420					
3-Nitroaniline	ND	ug/kg	420					
4-Nitroaniline	ND	ug/kg	590					
Dibenzofuran	ND	ug/kg	420					
a,a-Dimethylphenethylamine	ND	ug/kg	4200					
Hexachloropropene	ND	ug/kg	840					
Nitrosodi-n-butylamine	ND	ug/kg	840					
2-Methylnaphthalene	ND	ug/kg	420					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1700					
Pentachlorobenzene	ND	ug/kg	1700					
a-Naphthylamine	ND	ug/kg	1700					
b-Naphthylamine	ND	ug/kg	1700					
Phenacetin	ND	ug/kg	840					
Dimethoate	ND	ug/kg	1700					
4-Aminobiphenyl	ND	ug/kg	840					
Pentachloronitrobenzene	ND	ug/kg	840					
Isodrin	ND	ug/kg	840					
p-Dimethylaminoazobenzene	ND	ug/kg	840					
Chlorobenzilate	ND	ug/kg	1700					
3-Methylcholanthrene	ND	ug/kg	1700					
Ethyl Methanesulfonate	ND	ug/kg	1300					
Acetophenone	ND	ug/kg	1700					
Nitrosodipiperidine	ND	ug/kg	1700					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	840					
n-Nitrosodimethylamine	ND	ug/kg	4200					
2,4,6-Trichlorophenol	ND	ug/kg	420					
p-Chloro-m-cresol	ND	ug/kg	420					
2-Chlorophenol	ND	ug/kg	510					
2,4-Dichlorophenol	ND	ug/kg	840					
2,4-Dimethylphenol	ND	ug/kg	420					
2-Nitrophenol	ND	ug/kg	1700					
4-Nitrophenol	ND	ug/kg	840					
2,4-Dinitrophenol	ND	ug/kg	1700					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-05
S-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0628 03:46 RL
4,6-Dinitro-o-cresol	ND	ug/kg	1700				
Pentachlorophenol	ND	ug/kg	1700				
Phenol	ND	ug/kg	590				
2-Methylphenol	ND	ug/kg	510				
3-Methylphenol/4-Methylphenol	ND	ug/kg	510				
2,4,5-Trichlorophenol	ND	ug/kg	420				
2,6-Dichlorophenol	ND	ug/kg	840				
Benzoic Acid	ND	ug/kg	4200				
Benzyl Alcohol	ND	ug/kg	840				
Carbazole	ND	ug/kg	420				
Pyridine	ND	ug/kg	4200				
2-Picoline	ND	ug/kg	1700				
Pronamide	ND	ug/kg	1700				
Methyl methanesulfonate	ND	ug/kg	1700				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	82.0	%	25-120				
Phenol-d6	105	%	10-120				
Nitrobenzene-d5	92.0	%	23-120				
2-Fluorobiphenyl	83.0	%	30-120				
2,4,6-Tribromophenol	85.0	%	19-120				
4-Terphenyl-d14	84.0	%	18-120				
PAH by GC/MS SIM 8270M				1	8270C-M	0623 14:45	0628 03:30 RL
Acenaphthene	ND	ug/kg	17.				
2-Chloronaphthalene	ND	ug/kg	17.				
Fluoranthene	ND	ug/kg	17.				
Hexachlorobutadiene	ND	ug/kg	42.				
Naphthalene	ND	ug/kg	17.				
Benzo(a)anthracene	35	ug/kg	17				
Benzo(a)pyrene	46	ug/kg	17				
Benzo(b)fluoranthene	29	ug/kg	17				
Benzo(k)fluoranthene	ND	ug/kg	17				
Chrysene	36	ug/kg	17				
Acenaphthylene	ND	ug/kg	17.				
Anthracene	ND	ug/kg	17.				
Benzo(ghi)perylene	51	ug/kg	17				
Fluorene	ND	ug/kg	17.				
Phenanthrene	ND	ug/kg	17.				
Dibenzo(a,h)anthracene	29	ug/kg	17				
Indeno(1,2,3-cd)Pyrene	25	ug/kg	17				
Pyrene	ND	ug/kg	17.				
1-Methylnaphthalene	ND	ug/kg	17.				
2-Methylnaphthalene	ND	ug/kg	17.				
Pentachlorophenol	ND	ug/kg	68.				
Hexachlorobenzene	ND	ug/kg	68.				
Perylene	ND	ug/kg	17.				
Biphenyl	ND	ug/kg	17.				
2,6-Dimethylnaphthalene	ND	ug/kg	17.				

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-05
S-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0623 14:45	0628 03:30 RL
1-Methylphenanthrene	ND	ug/kg	17.				
Benzo(e)Pyrene	69	ug/kg	17				
Hexachloroethane	ND	ug/kg	68.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	86.0	%	25-120				
Phenol-d6	117	%	10-120				
Nitrobenzene-d5	105	%	23-120				
2-Fluorobiphenyl	83.0	%	30-120				
2,4,6-Tribromophenol	69.0	%	19-120				
4-Terphenyl-d14	109	%	18-120				

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: L0608842-06

Date Collected: 21-JUN-2006 11:00

S-6 (1-3')

Date Received : 22-JUN-2006

Sample Matrix: SOIL

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	87	%	0.10	30 2540G	0623 16:26	PD
Total Metals				1 3051		
Antimony, Total	ND	mg/kg	2.3	1 6010B	0623 12:30 0624 22:05	MG
Arsenic, Total	ND	mg/kg	0.46	1 6010B	0623 12:30 0624 22:05	MG
Beryllium, Total	0.24	mg/kg	0.23	1 6010B	0623 12:30 0624 22:05	MG
Cadmium, Total	ND	mg/kg	0.46	1 6010B	0623 12:30 0624 22:05	MG
Chromium, Total	15	mg/kg	0.46	1 6010B	0623 12:30 0624 22:05	MG
Copper, Total	37	mg/kg	0.46	1 6010B	0623 12:30 0624 22:05	MG
Lead, Total	3.6	mg/kg	2.3	1 6010B	0623 12:30 0624 22:05	MG
Mercury, Total	ND	mg/kg	0.09	1 7471A	0626 21:00 0627 19:17	HG
Nickel, Total	10	mg/kg	1.1	1 6010B	0623 12:30 0624 22:05	MG
Selenium, Total	ND	mg/kg	0.91	1 6010B	0623 12:30 0624 22:05	MG
Silver, Total	ND	mg/kg	0.46	1 6010B	0623 12:30 0624 22:05	MG
Thallium, Total	ND	mg/kg	0.91	1 6010B	0623 12:30 0628 12:21	MG
Zinc, Total	25	mg/kg	2.3	1 6010B	0623 12:30 0624 22:05	MG
Volatile Organics by GC/MS	8260			1 8260B	0626 22:23	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.			
1,2-Dichloroethane	ND	ug/kg	2.9			
1,1,1-Trichloroethane	ND	ug/kg	2.9			
Bromodichloromethane	ND	ug/kg	2.9			
trans-1,3-Dichloropropene	ND	ug/kg	2.9			
cis-1,3-Dichloropropene	ND	ug/kg	2.9			
1,1-Dichloropropene	ND	ug/kg	14.			
Bromoform	ND	ug/kg	11.			
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9			
Benzene	ND	ug/kg	2.9			
Toluene	ND	ug/kg	4.3			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-06
S-6 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0626 22:23 PD	
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.				
1,4-Dichlorobutane	ND	ug/kg	29.				
Iodomethane	ND	ug/kg	29.				
1,2,3-Trichloropropane	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.				
Ethyl methacrylate	ND	ug/kg	29.				
Acrolein	ND	ug/kg	72.				
Acrylonitrile	ND	ug/kg	29.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	57.				
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				
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.9				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-06
S-6 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0626 22:23 PD	
1,2,4-Trichlorobenzene	ND	ug/kg	14.			
1,3,5-Trimethylbenzene	ND	ug/kg	14.			
1,2,4-Trimethylbenzene	ND	ug/kg	14.			
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.			
Ethyl ether	ND	ug/kg	14.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	88.0	%	70-130			
Toluene-d8	93.0	%	70-130			
4-Bromofluorobenzene	100	%	70-130			
Dibromofluoromethane	87.0	%	70-130			
SVOC's by GC/MS 8270				1 8270C	0623 14:45 0628 04:11 RL	
Acenaphthene	ND	ug/kg	380			
Benzidine	ND	ug/kg	3800			
1,2,4-Trichlorobenzene	ND	ug/kg	380			
Hexachlorobenzene	ND	ug/kg	380			
Bis(2-chloroethyl)ether	ND	ug/kg	380			
1-Chloronaphthalene	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			
Azobenzene	ND	ug/kg	380			
Fluoranthene	1100	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			
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			
Benzo(a)anthracene	520	ug/kg	380			
Benzo(a)pyrene	480	ug/kg	380			
Benzo(b)fluoranthene	390	ug/kg	380			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-06
S-6 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0628 04:11 RL
Benzo(k)fluoranthene	450	ug/kg	380				
Chrysene	560	ug/kg	380				
Acenaphthylene	ND	ug/kg	380				
Anthracene	ND	ug/kg	380				
Benzo(ghi)perylene	ND	ug/kg	380				
Fluorene	ND	ug/kg	380				
Phenanthrene	ND	ug/kg	380				
Dibenzo(a,h)anthracene	ND	ug/kg	380				
Indeno(1,2,3-cd)pyrene	ND	ug/kg	380				
Pyrene	1000	ug/kg	380				
Benzo(e)pyrene	ND	ug/kg	380				
Biphenyl	ND	ug/kg	380				
Perylene	ND	ug/kg	380				
Aniline	ND	ug/kg	770				
4-Chloroaniline	ND	ug/kg	380				
1-Methylnaphthalene	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				
a,a-Dimethylphenethylamine	ND	ug/kg	3800				
Hexachloropropene	ND	ug/kg	770				
Nitrosodi-n-butylamine	ND	ug/kg	770				
2-Methylnaphthalene	ND	ug/kg	380				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500				
Pentachlorobenzene	ND	ug/kg	1500				
a-Naphthylamine	ND	ug/kg	1500				
b-Naphthylamine	ND	ug/kg	1500				
Phenacetin	ND	ug/kg	770				
Dimethoate	ND	ug/kg	1500				
4-Aminobiphenyl	ND	ug/kg	770				
Pentachloronitrobenzene	ND	ug/kg	770				
Isodrin	ND	ug/kg	770				
p-Dimethylaminoazobenzene	ND	ug/kg	770				
Chlorobenzilate	ND	ug/kg	1500				
3-Methylcholanthrene	ND	ug/kg	1500				
Ethyl Methanesulfonate	ND	ug/kg	1100				
Acetophenone	ND	ug/kg	1500				
Nitrosodipiperidine	ND	ug/kg	1500				
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	770				
n-Nitrosodimethylamine	ND	ug/kg	3800				
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				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-06
S-6 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd						
				1 8270C	0623 14:45 0628 04:11 RL	
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			
2,6-Dichlorophenol	ND	ug/kg	770			
Benzoic Acid	ND	ug/kg	3800			
Benzyl Alcohol	ND	ug/kg	770			
Carbazole	ND	ug/kg	380			
Pyridine	ND	ug/kg	3800			
2-Picoline	ND	ug/kg	1500			
Pronamide	ND	ug/kg	1500			
Methyl methanesulfonate	ND	ug/kg	1500			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	78.0	%	25-120			
Phenol-d6	101	%	10-120			
Nitrobenzene-d5	92.0	%	23-120			
2-Fluorobiphenyl	80.0	%	30-120			
2,4,6-Tribromophenol	74.0	%	19-120			
4-Terphenyl-d14	86.0	%	18-120			
PAH by GC/MS SIM 8270M						
				1 8270C-M	0623 14:45 0628 04:18 RL	
Acenaphthene	ND	ug/kg	15.			
2-Chloronaphthalene	ND	ug/kg	15.			
Fluoranthene	1200	ug/kg	15			
Hexachlorobutadiene	ND	ug/kg	38.			
Naphthalene	ND	ug/kg	15.			
Benzo(a)anthracene	590	ug/kg	15			
Benzo(a)pyrene	500	ug/kg	15			
Benzo(b)fluoranthene	340	ug/kg	15			
Benzo(k)fluoranthene	620	ug/kg	15			
Chrysene	600	ug/kg	15			
Acenaphthylene	ND	ug/kg	15.			
Anthracene	98	ug/kg	15			
Benzo(ghi)perylene	280	ug/kg	15			
Fluorene	ND	ug/kg	15.			
Phenanthrene	310	ug/kg	15			
Dibenzo(a,h)anthracene	73	ug/kg	15			
Indeno(1,2,3-cd)Pyrene	270	ug/kg	15			
Pyrene	1000	ug/kg	15			
1-Methylnaphthalene	ND	ug/kg	15.			
2-Methylnaphthalene	ND	ug/kg	15.			
Pentachlorophenol	ND	ug/kg	61.			
Hexachlorobenzene	ND	ug/kg	61.			
Perylene	120	ug/kg	15			
Biphenyl	ND	ug/kg	15.			
2,6-Dimethylnaphthalene	ND	ug/kg	15.			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-06
S-6 (1-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0623 14:45	0628 04:18 RL
1-Methylphenanthrene	69	ug/kg	15				
Benzo(e)Pyrene	360	ug/kg	15				
Hexachloroethane	ND	ug/kg	61.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	88.0	%	25-120				
Phenol-d6	118	%	10-120				
Nitrobenzene-d5	107	%	23-120				
2-Fluorobiphenyl	84.0	%	30-120				
2,4,6-Tribromophenol	59.0	%	19-120				
4-Terphenyl-d14	109	%	18-120				

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: L0608842-07

Date Collected: 21-JUN-2006 10:45

S-7 (6-8')

Date Received : 22-JUN-2006

Sample Matrix: SOIL

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	84	%	0.10	30 2540G	0623 16:26	PD
Total Metals				1 3051		
Antimony, Total	ND	mg/kg	2.4	1 6010B	0623 12:30 0624 22:22	MG
Arsenic, Total	8.0	mg/kg	0.48	1 6010B	0623 12:30 0624 22:22	MG
Beryllium, Total	ND	mg/kg	0.24	1 6010B	0623 12:30 0624 22:22	MG
Cadmium, Total	2.6	mg/kg	0.48	1 6010B	0623 12:30 0624 22:22	MG
Chromium, Total	26	mg/kg	0.48	1 6010B	0623 12:30 0624 22:22	MG
Copper, Total	61	mg/kg	0.48	1 6010B	0623 12:30 0624 22:22	MG
Lead, Total	1100	mg/kg	2.4	1 6010B	0623 12:30 0624 22:22	MG
Mercury, Total	1.9	mg/kg	0.19	1 7471A	0626 21:00 0627 20:24	HG
Nickel, Total	11	mg/kg	1.2	1 6010B	0623 12:30 0624 22:22	MG
Selenium, Total	1.2	mg/kg	0.95	1 6010B	0623 12:30 0624 22:22	MG
Silver, Total	ND	mg/kg	0.48	1 6010B	0623 12:30 0624 22:22	MG
Thallium, Total	ND	mg/kg	0.48	1 6010B	0623 12:30 0624 22:22	MG
Zinc, Total	1900	mg/kg	24	1 6010B	0623 12:30 0628 12:43	MG
Volatile Organics by GC/MS	8260			1 8260B	0626 23:05	PD
Methylene chloride	ND	ug/kg	30.			
1,1-Dichloroethane	ND	ug/kg	4.5			
Chloroform	ND	ug/kg	4.5			
Carbon tetrachloride	ND	ug/kg	3.0			
1,2-Dichloropropane	ND	ug/kg	10.			
Dibromochloromethane	ND	ug/kg	3.0			
1,1,2-Trichloroethane	ND	ug/kg	4.5			
Tetrachloroethene	ND	ug/kg	3.0			
Chlorobenzene	ND	ug/kg	3.0			
Trichlorofluoromethane	ND	ug/kg	15.			
1,2-Dichloroethane	ND	ug/kg	3.0			
1,1,1-Trichloroethane	ND	ug/kg	3.0			
Bromodichloromethane	ND	ug/kg	3.0			
trans-1,3-Dichloropropene	ND	ug/kg	3.0			
cis-1,3-Dichloropropene	ND	ug/kg	3.0			
1,1-Dichloropropene	ND	ug/kg	15.			
Bromoform	ND	ug/kg	12.			
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0			
Benzene	ND	ug/kg	3.0			
Toluene	ND	ug/kg	4.5			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-07
S-7 (6-8')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0626 23:05 PD	
Ethylbenzene	ND	ug/kg	3.0				
Chloromethane	ND	ug/kg	15.				
Bromomethane	ND	ug/kg	6.0				
Vinyl chloride	ND	ug/kg	6.0				
Chloroethane	ND	ug/kg	6.0				
1,1-Dichloroethene	ND	ug/kg	3.0				
trans-1,2-Dichloroethene	ND	ug/kg	4.5				
Trichloroethene	ND	ug/kg	3.0				
1,2-Dichlorobenzene	ND	ug/kg	15.				
1,3-Dichlorobenzene	ND	ug/kg	15.				
1,4-Dichlorobenzene	ND	ug/kg	15.				
Methyl tert butyl ether	ND	ug/kg	6.0				
p/m-Xylene	ND	ug/kg	6.0				
o-Xylene	ND	ug/kg	6.0				
cis-1,2-Dichloroethene	ND	ug/kg	3.0				
Dibromomethane	ND	ug/kg	30.				
1,4-Dichlorobutane	ND	ug/kg	30.				
Iodomethane	ND	ug/kg	30.				
1,2,3-Trichloropropane	ND	ug/kg	30.				
Styrene	ND	ug/kg	6.0				
Dichlorodifluoromethane	ND	ug/kg	30.				
Acetone	ND	ug/kg	30.				
Carbon disulfide	ND	ug/kg	30.				
2-Butanone	ND	ug/kg	30.				
Vinyl acetate	ND	ug/kg	30.				
4-Methyl-2-pentanone	ND	ug/kg	30.				
2-Hexanone	ND	ug/kg	30.				
Ethyl methacrylate	ND	ug/kg	30.				
Acrolein	ND	ug/kg	74.				
Acrylonitrile	ND	ug/kg	30.				
Bromochloromethane	ND	ug/kg	15.				
Tetrahydrofuran	ND	ug/kg	60.				
2,2-Dichloropropane	ND	ug/kg	15.				
1,2-Dibromoethane	ND	ug/kg	12.				
1,3-Dichloropropane	ND	ug/kg	15.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0				
Bromobenzene	ND	ug/kg	15.				
n-Butylbenzene	ND	ug/kg	3.0				
sec-Butylbenzene	ND	ug/kg	3.0				
tert-Butylbenzene	ND	ug/kg	15.				
o-Chlorotoluene	ND	ug/kg	15.				
p-Chlorotoluene	ND	ug/kg	15.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.				
Hexachlorobutadiene	ND	ug/kg	15.				
Isopropylbenzene	ND	ug/kg	3.0				
p-Isopropyltoluene	ND	ug/kg	3.0				
Naphthalene	ND	ug/kg	15.				
n-Propylbenzene	ND	ug/kg	3.0				
1,2,3-Trichlorobenzene	ND	ug/kg	15.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-07
S-7 (6-8')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0626 23:05 PD	
1,2,4-Trichlorobenzene	ND	ug/kg	15.			
1,3,5-Trimethylbenzene	ND	ug/kg	15.			
1,2,4-Trimethylbenzene	ND	ug/kg	15.			
trans-1,4-Dichloro-2-butene	ND	ug/kg	15.			
Ethyl ether	ND	ug/kg	15.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	94.0	%	70-130			
Toluene-d8	93.0	%	70-130			
4-Bromofluorobenzene	104	%	70-130			
Dibromofluoromethane	89.0	%	70-130			
SVOC's by GC/MS 8270				1 8270C	0623 14:45 0628 16:02 RL	
Acenaphthene	ND	ug/kg	400			
Benzidine	ND	ug/kg	4000			
1,2,4-Trichlorobenzene	ND	ug/kg	400			
Hexachlorobenzene	ND	ug/kg	400			
Bis(2-chloroethyl)ether	ND	ug/kg	400			
1-Chloronaphthalene	ND	ug/kg	400			
2-Chloronaphthalene	ND	ug/kg	480			
1,2-Dichlorobenzene	ND	ug/kg	400			
1,3-Dichlorobenzene	ND	ug/kg	400			
1,4-Dichlorobenzene	ND	ug/kg	400			
3,3'-Dichlorobenzidine	ND	ug/kg	790			
2,4-Dinitrotoluene	ND	ug/kg	400			
2,6-Dinitrotoluene	ND	ug/kg	400			
Azobenzene	ND	ug/kg	400			
Fluoranthene	ND	ug/kg	400			
4-Chlorophenyl phenyl ether	ND	ug/kg	400			
4-Bromophenyl phenyl ether	ND	ug/kg	400			
Bis(2-chloroisopropyl)ether	ND	ug/kg	400			
Bis(2-chloroethoxy)methane	ND	ug/kg	400			
Hexachlorobutadiene	ND	ug/kg	790			
Hexachlorocyclopentadiene	ND	ug/kg	790			
Hexachloroethane	ND	ug/kg	400			
Isophorone	ND	ug/kg	400			
Naphthalene	ND	ug/kg	400			
Nitrobenzene	ND	ug/kg	400			
NDPA/DPA	ND	ug/kg	1200			
n-Nitrosodi-n-propylamine	ND	ug/kg	400			
Bis(2-ethylhexyl)phthalate	ND	ug/kg	790			
Butyl benzyl phthalate	ND	ug/kg	400			
Di-n-butylphthalate	ND	ug/kg	400			
Di-n-octylphthalate	ND	ug/kg	400			
Diethyl phthalate	ND	ug/kg	400			
Dimethyl phthalate	ND	ug/kg	400			
Benzo(a)anthracene	ND	ug/kg	400			
Benzo(a)pyrene	ND	ug/kg	400			
Benzo(b)fluoranthene	ND	ug/kg	400			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-07
S-7 (6-8')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0628 16:02 RL
Benzo(k)fluoranthene	ND	ug/kg	400				
Chrysene	ND	ug/kg	400				
Acenaphthylene	ND	ug/kg	400				
Anthracene	ND	ug/kg	400				
Benzo(ghi)perylene	ND	ug/kg	400				
Fluorene	ND	ug/kg	400				
Phenanthrene	ND	ug/kg	400				
Dibenzo(a,h)anthracene	ND	ug/kg	400				
Indeno(1,2,3-cd)pyrene	ND	ug/kg	400				
Pyrene	ND	ug/kg	400				
Benzo(e)pyrene	ND	ug/kg	400				
Biphenyl	ND	ug/kg	400				
Perylene	ND	ug/kg	400				
Aniline	ND	ug/kg	790				
4-Chloroaniline	ND	ug/kg	400				
1-Methylnaphthalene	ND	ug/kg	400				
2-Nitroaniline	ND	ug/kg	400				
3-Nitroaniline	ND	ug/kg	400				
4-Nitroaniline	ND	ug/kg	560				
Dibenzofuran	ND	ug/kg	400				
a,a-Dimethylphenethylamine	ND	ug/kg	4000				
Hexachloropropene	ND	ug/kg	790				
Nitrosodi-n-butylamine	ND	ug/kg	790				
2-Methylnaphthalene	ND	ug/kg	400				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600				
Pentachlorobenzene	ND	ug/kg	1600				
a-Naphthylamine	ND	ug/kg	1600				
b-Naphthylamine	ND	ug/kg	1600				
Phenacetin	ND	ug/kg	790				
Dimethoate	ND	ug/kg	1600				
4-Aminobiphenyl	ND	ug/kg	790				
Pentachloronitrobenzene	ND	ug/kg	790				
Isodrin	ND	ug/kg	790				
p-Dimethylaminoazobenzene	ND	ug/kg	790				
Chlorobenzilate	ND	ug/kg	1600				
3-Methylcholanthrene	ND	ug/kg	1600				
Ethyl Methanesulfonate	ND	ug/kg	1200				
Acetophenone	ND	ug/kg	1600				
Nitrosodipiperidine	ND	ug/kg	1600				
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	790				
n-Nitrosodimethylamine	ND	ug/kg	4000				
2,4,6-Trichlorophenol	ND	ug/kg	400				
p-Chloro-m-cresol	ND	ug/kg	400				
2-Chlorophenol	ND	ug/kg	480				
2,4-Dichlorophenol	ND	ug/kg	790				
2,4-Dimethylphenol	ND	ug/kg	400				
2-Nitrophenol	ND	ug/kg	1600				
4-Nitrophenol	ND	ug/kg	790				
2,4-Dinitrophenol	ND	ug/kg	1600				

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-07
S-7 (6-8')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0628 16:02 RL
4,6-Dinitro-o-cresol	ND	ug/kg	1600				
Pentachlorophenol	ND	ug/kg	1600				
Phenol	ND	ug/kg	560				
2-Methylphenol	ND	ug/kg	480				
3-Methylphenol/4-Methylphenol	ND	ug/kg	480				
2,4,5-Trichlorophenol	ND	ug/kg	400				
2,6-Dichlorophenol	ND	ug/kg	790				
Benzoic Acid	ND	ug/kg	4000				
Benzyl Alcohol	ND	ug/kg	790				
Carbazole	ND	ug/kg	400				
Pyridine	ND	ug/kg	4000				
2-Picoline	ND	ug/kg	1600				
Pronamide	ND	ug/kg	1600				
Methyl methanesulfonate	ND	ug/kg	1600				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	78.0	%	25-120				
Phenol-d6	103	%	10-120				
Nitrobenzene-d5	90.0	%	23-120				
2-Fluorobiphenyl	81.0	%	30-120				
2,4,6-Tribromophenol	86.0	%	19-120				
4-Terphenyl-d14	90.0	%	18-120				
PAH by GC/MS SIM 8270M				1	8270C-M	0623 14:45	0628 05:04 RL
Acenaphthene	ND	ug/kg	32.				
2-Chloronaphthalene	ND	ug/kg	32.				
Fluoranthene	32	ug/kg	32				
Hexachlorobutadiene	ND	ug/kg	79.				
Naphthalene	ND	ug/kg	32.				
Benzo(a)anthracene	ND	ug/kg	32.				
Benzo(a)pyrene	ND	ug/kg	32.				
Benzo(b)fluoranthene	ND	ug/kg	32.				
Benzo(k)fluoranthene	ND	ug/kg	32.				
Chrysene	ND	ug/kg	32.				
Acenaphthylene	ND	ug/kg	32.				
Anthracene	ND	ug/kg	32.				
Benzo(ghi)perylene	ND	ug/kg	32.				
Fluorene	ND	ug/kg	32.				
Phenanthrene	ND	ug/kg	32.				
Dibenzo(a,h)anthracene	ND	ug/kg	32.				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	32.				
Pyrene	33	ug/kg	32				
1-Methylnaphthalene	ND	ug/kg	32.				
2-Methylnaphthalene	ND	ug/kg	32.				
Pentachlorophenol	ND	ug/kg	130				
Hexachlorobenzene	ND	ug/kg	130				
Perylene	ND	ug/kg	32.				
Biphenyl	ND	ug/kg	32.				
2,6-Dimethylnaphthalene	ND	ug/kg	32.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-07
S-7 (6-8')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0623 14:45	0628 05:04 RL
1-Methylphenanthrene	ND	ug/kg	32.				
Benzo(e)Pyrene	ND	ug/kg	32.				
Hexachloroethane	ND	ug/kg	130				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	88.0	%	25-120				
Phenol-d6	116	%	10-120				
Nitrobenzene-d5	101	%	23-120				
2-Fluorobiphenyl	90.0	%	30-120				
2,4,6-Tribromophenol	66.0	%	19-120				
4-Terphenyl-d14	114	%	18-120				

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: L0608842-08

Date Collected: 21-JUN-2006 10:00

S-8 (4-6')

Date Received : 22-JUN-2006

Sample Matrix: SOIL

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	84	%	0.10	30 2540G	0623 16:26	PD
Total Metals				1 3051		
Antimony, Total	ND	mg/kg	2.4	1 6010B	0623 12:30 0624 22:25	MG
Arsenic, Total	4.6	mg/kg	0.47	1 6010B	0623 12:30 0624 22:25	MG
Beryllium, Total	0.26	mg/kg	0.24	1 6010B	0623 12:30 0624 22:25	MG
Cadmium, Total	ND	mg/kg	0.47	1 6010B	0623 12:30 0624 22:25	MG
Chromium, Total	15	mg/kg	0.47	1 6010B	0623 12:30 0624 22:25	MG
Copper, Total	24	mg/kg	0.47	1 6010B	0623 12:30 0624 22:25	MG
Lead, Total	88	mg/kg	2.4	1 6010B	0623 12:30 0624 22:25	MG
Mercury, Total	0.11	mg/kg	0.10	1 7471A	0626 21:00 0627 19:20	HG
Nickel, Total	8.8	mg/kg	1.2	1 6010B	0623 12:30 0624 22:25	MG
Selenium, Total	ND	mg/kg	0.94	1 6010B	0623 12:30 0624 22:25	MG
Silver, Total	ND	mg/kg	0.47	1 6010B	0623 12:30 0624 22:25	MG
Thallium, Total	ND	mg/kg	0.94	1 6010B	0623 12:30 0628 12:39	MG
Zinc, Total	93	mg/kg	2.4	1 6010B	0623 12:30 0624 22:25	MG
Volatile Organics by GC/MS	8260			1 8260B	0626 23:48	PD
Methylene chloride	ND	ug/kg	30.			
1,1-Dichloroethane	ND	ug/kg	4.5			
Chloroform	ND	ug/kg	4.5			
Carbon tetrachloride	ND	ug/kg	3.0			
1,2-Dichloropropane	ND	ug/kg	10.			
Dibromochloromethane	ND	ug/kg	3.0			
1,1,2-Trichloroethane	ND	ug/kg	4.5			
Tetrachloroethene	ND	ug/kg	3.0			
Chlorobenzene	ND	ug/kg	3.0			
Trichlorofluoromethane	ND	ug/kg	15.			
1,2-Dichloroethane	ND	ug/kg	3.0			
1,1,1-Trichloroethane	ND	ug/kg	3.0			
Bromodichloromethane	ND	ug/kg	3.0			
trans-1,3-Dichloropropene	ND	ug/kg	3.0			
cis-1,3-Dichloropropene	ND	ug/kg	3.0			
1,1-Dichloropropene	ND	ug/kg	15.			
Bromoform	ND	ug/kg	12.			
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0			
Benzene	ND	ug/kg	3.0			
Toluene	ND	ug/kg	4.5			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-08
S-8 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0626 23:48 PD	
Ethylbenzene	ND	ug/kg	3.0				
Chloromethane	ND	ug/kg	15.				
Bromomethane	ND	ug/kg	6.0				
Vinyl chloride	ND	ug/kg	6.0				
Chloroethane	ND	ug/kg	6.0				
1,1-Dichloroethene	ND	ug/kg	3.0				
trans-1,2-Dichloroethene	ND	ug/kg	4.5				
Trichloroethene	ND	ug/kg	3.0				
1,2-Dichlorobenzene	ND	ug/kg	15.				
1,3-Dichlorobenzene	ND	ug/kg	15.				
1,4-Dichlorobenzene	ND	ug/kg	15.				
Methyl tert butyl ether	ND	ug/kg	6.0				
p/m-Xylene	ND	ug/kg	6.0				
o-Xylene	ND	ug/kg	6.0				
cis-1,2-Dichloroethene	ND	ug/kg	3.0				
Dibromomethane	ND	ug/kg	30.				
1,4-Dichlorobutane	ND	ug/kg	30.				
Iodomethane	ND	ug/kg	30.				
1,2,3-Trichloropropane	ND	ug/kg	30.				
Styrene	ND	ug/kg	6.0				
Dichlorodifluoromethane	ND	ug/kg	30.				
Acetone	100	ug/kg	30				
Carbon disulfide	ND	ug/kg	30.				
2-Butanone	ND	ug/kg	30.				
Vinyl acetate	ND	ug/kg	30.				
4-Methyl-2-pentanone	ND	ug/kg	30.				
2-Hexanone	ND	ug/kg	30.				
Ethyl methacrylate	ND	ug/kg	30.				
Acrolein	ND	ug/kg	74.				
Acrylonitrile	ND	ug/kg	30.				
Bromochloromethane	ND	ug/kg	15.				
Tetrahydrofuran	ND	ug/kg	60.				
2,2-Dichloropropane	ND	ug/kg	15.				
1,2-Dibromoethane	ND	ug/kg	12.				
1,3-Dichloropropane	ND	ug/kg	15.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0				
Bromobenzene	ND	ug/kg	15.				
n-Butylbenzene	ND	ug/kg	3.0				
sec-Butylbenzene	ND	ug/kg	3.0				
tert-Butylbenzene	ND	ug/kg	15.				
o-Chlorotoluene	ND	ug/kg	15.				
p-Chlorotoluene	ND	ug/kg	15.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.				
Hexachlorobutadiene	ND	ug/kg	15.				
Isopropylbenzene	ND	ug/kg	3.0				
p-Isopropyltoluene	ND	ug/kg	3.0				
Naphthalene	ND	ug/kg	15.				
n-Propylbenzene	ND	ug/kg	3.0				
1,2,3-Trichlorobenzene	ND	ug/kg	15.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-08
S-8 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0626 23:48 PD	
1,2,4-Trichlorobenzene	ND	ug/kg	15.			
1,3,5-Trimethylbenzene	ND	ug/kg	15.			
1,2,4-Trimethylbenzene	ND	ug/kg	15.			
trans-1,4-Dichloro-2-butene	ND	ug/kg	15.			
Ethyl ether	ND	ug/kg	15.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	92.0	%	70-130			
Toluene-d8	91.0	%	70-130			
4-Bromofluorobenzene	101	%	70-130			
Dibromofluoromethane	89.0	%	70-130			
SVOC's by GC/MS 8270				1 8270C	0623 14:45 0628 16:27 RL	
Acenaphthene	ND	ug/kg	400			
Benzidine	ND	ug/kg	4000			
1,2,4-Trichlorobenzene	ND	ug/kg	400			
Hexachlorobenzene	ND	ug/kg	400			
Bis(2-chloroethyl)ether	ND	ug/kg	400			
1-Chloronaphthalene	ND	ug/kg	400			
2-Chloronaphthalene	ND	ug/kg	480			
1,2-Dichlorobenzene	ND	ug/kg	400			
1,3-Dichlorobenzene	ND	ug/kg	400			
1,4-Dichlorobenzene	ND	ug/kg	400			
3,3'-Dichlorobenzidine	ND	ug/kg	790			
2,4-Dinitrotoluene	ND	ug/kg	400			
2,6-Dinitrotoluene	ND	ug/kg	400			
Azobenzene	ND	ug/kg	400			
Fluoranthene	1000	ug/kg	400			
4-Chlorophenyl phenyl ether	ND	ug/kg	400			
4-Bromophenyl phenyl ether	ND	ug/kg	400			
Bis(2-chloroisopropyl)ether	ND	ug/kg	400			
Bis(2-chloroethoxy)methane	ND	ug/kg	400			
Hexachlorobutadiene	ND	ug/kg	790			
Hexachlorocyclopentadiene	ND	ug/kg	790			
Hexachloroethane	ND	ug/kg	400			
Isophorone	ND	ug/kg	400			
Naphthalene	ND	ug/kg	400			
Nitrobenzene	ND	ug/kg	400			
NDPA/DPA	ND	ug/kg	1200			
n-Nitrosodi-n-propylamine	ND	ug/kg	400			
Bis(2-ethylhexyl)phthalate	ND	ug/kg	790			
Butyl benzyl phthalate	ND	ug/kg	400			
Di-n-butylphthalate	ND	ug/kg	400			
Di-n-octylphthalate	ND	ug/kg	400			
Diethyl phthalate	ND	ug/kg	400			
Dimethyl phthalate	ND	ug/kg	400			
Benzo(a)anthracene	590	ug/kg	400			
Benzo(a)pyrene	660	ug/kg	400			
Benzo(b)fluoranthene	540	ug/kg	400			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-08
S-8 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0623 14:45	0628 16:27 RL
Benzo(k)fluoranthene	620	ug/kg	400				
Chrysene	670	ug/kg	400				
Acenaphthylene	ND	ug/kg	400				
Anthracene	ND	ug/kg	400				
Benzo(ghi)perylene	590	ug/kg	400				
Fluorene	ND	ug/kg	400				
Phenanthrene	410	ug/kg	400				
Dibenzo(a,h)anthracene	ND	ug/kg	400				
Indeno(1,2,3-cd)pyrene	570	ug/kg	400				
Pyrene	890	ug/kg	400				
Benzo(e)pyrene	500	ug/kg	400				
Biphenyl	ND	ug/kg	400				
Perylene	ND	ug/kg	400				
Aniline	ND	ug/kg	790				
4-Chloroaniline	ND	ug/kg	400				
1-Methylnaphthalene	ND	ug/kg	400				
2-Nitroaniline	ND	ug/kg	400				
3-Nitroaniline	ND	ug/kg	400				
4-Nitroaniline	ND	ug/kg	560				
Dibenzofuran	ND	ug/kg	400				
a,a-Dimethylphenethylamine	ND	ug/kg	4000				
Hexachloropropene	ND	ug/kg	790				
Nitrosodi-n-butylamine	ND	ug/kg	790				
2-Methylnaphthalene	ND	ug/kg	400				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600				
Pentachlorobenzene	ND	ug/kg	1600				
a-Naphthylamine	ND	ug/kg	1600				
b-Naphthylamine	ND	ug/kg	1600				
Phenacetin	ND	ug/kg	790				
Dimethoate	ND	ug/kg	1600				
4-Aminobiphenyl	ND	ug/kg	790				
Pentachloronitrobenzene	ND	ug/kg	790				
Isodrin	ND	ug/kg	790				
p-Dimethylaminoazobenzene	ND	ug/kg	790				
Chlorobenzilate	ND	ug/kg	1600				
3-Methylcholanthrene	ND	ug/kg	1600				
Ethyl Methanesulfonate	ND	ug/kg	1200				
Acetophenone	ND	ug/kg	1600				
Nitrosodipiperidine	ND	ug/kg	1600				
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	790				
n-Nitrosodimethylamine	ND	ug/kg	4000				
2,4,6-Trichlorophenol	ND	ug/kg	400				
p-Chloro-m-cresol	ND	ug/kg	400				
2-Chlorophenol	ND	ug/kg	480				
2,4-Dichlorophenol	ND	ug/kg	790				
2,4-Dimethylphenol	ND	ug/kg	400				
2-Nitrophenol	ND	ug/kg	1600				
4-Nitrophenol	ND	ug/kg	790				
2,4-Dinitrophenol	ND	ug/kg	1600				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-08
S-8 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd					1	8270C	0623 14:45 0628 16:27 RL
4,6-Dinitro-o-cresol	ND	ug/kg	1600				
Pentachlorophenol	ND	ug/kg	1600				
Phenol	ND	ug/kg	560				
2-Methylphenol	ND	ug/kg	480				
3-Methylphenol/4-Methylphenol	ND	ug/kg	480				
2,4,5-Trichlorophenol	ND	ug/kg	400				
2,6-Dichlorophenol	ND	ug/kg	790				
Benzoic Acid	ND	ug/kg	4000				
Benzyl Alcohol	ND	ug/kg	790				
Carbazole	ND	ug/kg	400				
Pyridine	ND	ug/kg	4000				
2-Picoline	ND	ug/kg	1600				
Pronamide	ND	ug/kg	1600				
Methyl methanesulfonate	ND	ug/kg	1600				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	75.0	%	25-120				
Phenol-d6	98.0	%	10-120				
Nitrobenzene-d5	85.0	%	23-120				
2-Fluorobiphenyl	77.0	%	30-120				
2,4,6-Tribromophenol	80.0	%	19-120				
4-Terphenyl-d14	83.0	%	18-120				
PAH by GC/MS SIM 8270M					1	8270C-M	0623 14:45 0628 05:53 RL
Acenaphthene	ND	ug/kg	79.				
2-Chloronaphthalene	ND	ug/kg	79.				
Fluoranthene	1200	ug/kg	79				
Hexachlorobutadiene	ND	ug/kg	200				
Naphthalene	ND	ug/kg	79.				
Benzo(a)anthracene	610	ug/kg	79				
Benzo(a)pyrene	620	ug/kg	79				
Benzo(b)fluoranthene	440	ug/kg	79				
Benzo(k)fluoranthene	820	ug/kg	79				
Chrysene	680	ug/kg	79				
Acenaphthylene	180	ug/kg	79				
Anthracene	130	ug/kg	79				
Benzo(ghi)perylene	510	ug/kg	79				
Fluorene	ND	ug/kg	79.				
Phenanthrene	390	ug/kg	79				
Dibenzo(a,h)anthracene	130	ug/kg	79				
Indeno(1,2,3-cd)Pyrene	440	ug/kg	79				
Pyrene	910	ug/kg	79				
1-Methylnaphthalene	ND	ug/kg	79.				
2-Methylnaphthalene	ND	ug/kg	79.				
Pentachlorophenol	ND	ug/kg	320				
Hexachlorobenzene	ND	ug/kg	320				
Perylene	160	ug/kg	79				
Biphenyl	ND	ug/kg	79.				
2,6-Dimethylnaphthalene	ND	ug/kg	79.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-08
S-8 (4-6')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0623 14:45	0628 05:53 RL
1-Methylphenanthrene	85	ug/kg	79				
Benzo(e)Pyrene	480	ug/kg	79				
Hexachloroethane	ND	ug/kg	320				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	84.0	%	25-120				
Phenol-d6	111	%	10-120				
Nitrobenzene-d5	95.0	%	23-120				
2-Fluorobiphenyl	84.0	%	30-120				
2,4,6-Tribromophenol	63.0	%	19-120				
4-Terphenyl-d14	97.0	%	18-120				

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: L0608842-09	Date Collected: 21-JUN-2006 08:30
Sample Matrix: S-3 WATER	Date Received : 22-JUN-2006
	Date Reported : 30-JUN-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber,2-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Total Metals						
				1 3015		
Antimony, Total	ND	mg/l	0.050	1 6010B	0623 19:00 0626 14:42	CF
Arsenic, Total	0.081	mg/l	0.005	1 6010B	0623 19:00 0626 14:42	CF
Beryllium, Total	0.021	mg/l	0.005	1 6010B	0623 19:00 0626 14:42	CF
Cadmium, Total	0.018	mg/l	0.005	1 6010B	0623 19:00 0626 14:42	CF
Chromium, Total	0.68	mg/l	0.01	1 6010B	0623 19:00 0626 14:42	CF
Copper, Total	1.5	mg/l	0.01	1 6010B	0623 19:00 0626 14:42	CF
Lead, Total	1.98	mg/l	0.010	1 6010B	0623 19:00 0626 14:42	CF
Mercury, Total	0.0052	mg/l	0.0002	1 7470A	0623 20:30 0626 15:24	HG
Nickel, Total	0.609	mg/l	0.025	1 6010B	0623 19:00 0626 14:42	CF
Selenium, Total	ND	mg/l	0.010	1 6010B	0623 19:00 0626 14:42	CF
Silver, Total	ND	mg/l	0.007	1 6010B	0623 19:00 0626 14:42	CF
Thallium, Total	ND	mg/l	0.025	1 6010B	0623 19:00 0628 09:29	CF
Zinc, Total	4.1	mg/l	0.05	1 6010B	0623 19:00 0626 14:42	CF
Dissolved Metals						
Antimony, Dissolved	ND	mg/l	0.050	1 6010B	0623 19:00 0626 20:37	CF
Arsenic, Dissolved	ND	mg/l	0.005	1 6010B	0623 19:00 0626 20:37	CF
Beryllium, Dissolved	ND	mg/l	0.005	1 6010B	0623 19:00 0626 20:37	CF
Cadmium, Dissolved	ND	mg/l	0.005	1 6010B	0623 19:00 0626 20:37	CF
Chromium, Dissolved	ND	mg/l	0.01	1 6010B	0623 19:00 0626 20:37	CF
Copper, Dissolved	ND	mg/l	0.01	1 6010B	0623 19:00 0626 20:37	CF
Lead, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:37	CF
Mercury, Dissolved	ND	mg/l	0.0002	1 7470A	0623 20:30 0626 14:58	HG
Nickel, Dissolved	ND	mg/l	0.025	1 6010B	0623 19:00 0626 20:37	CF
Selenium, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:37	CF
Silver, Dissolved	ND	mg/l	0.007	1 6010B	0623 19:00 0626 20:37	CF
Thallium, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:37	CF
Zinc, Dissolved	ND	mg/l	0.05	1 6010B	0623 19:00 0626 20:37	CF
Volatile Organics by GC/MS 8260						
				1 8260B	0625 22:11	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			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-09
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0625 22:11 PD	
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	41	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				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	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	6.9	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				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-09
S-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0625 22:11 PD	
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			
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	81.0	%	70-130			
Toluene-d8	74.0	%	70-130			
4-Bromofluorobenzene	75.0	%	70-130			
Dibromofluoromethane	79.0	%	70-130			
SVOC's by GC/MS 8270				1 8270C	0626 13:15 0629 06:14 RL	
Acenaphthene	ND	ug/l	4.9			
Benzidine	ND	ug/l	49.			
1,2,4-Trichlorobenzene	ND	ug/l	4.9			
Hexachlorobenzene	ND	ug/l	4.9			
Bis(2-chloroethyl)ether	ND	ug/l	4.9			
1-Chloronaphthalene	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			
Azobenzene	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	9.9			
Hexachloroethane	ND	ug/l	4.9			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0608842-09

S-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0626 13:15	0629 06:14 RL
Isophorone	ND	ug/l	4.9				
Naphthalene	ND	ug/l	4.9				
Nitrobenzene	ND	ug/l	4.9				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.9				
Bis(2-ethylhexyl)phthalate	ND	ug/l	9.9				
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				
Benzo(e)pyrene	ND	ug/l	4.9				
Biphenyl	ND	ug/l	4.9				
Perylene	ND	ug/l	4.9				
Aniline	ND	ug/l	9.9				
4-Chloroaniline	ND	ug/l	4.9				
1-Methylnaphthalene	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				
a,a-Dimethylphenethylamine	ND	ug/l	49.				
Hexachloropropene	ND	ug/l	9.9				
Nitrosodi-n-butylamine	ND	ug/l	9.9				
2-Methylnaphthalene	ND	ug/l	4.9				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	20.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	9.9				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	9.9				
Pentachloronitrobenzene	ND	ug/l	9.9				
Isodrin	ND	ug/l	9.9				
p-Dimethylaminoazobenzene	ND	ug/l	9.9				
Chlorobenzilate	ND	ug/l	20.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-09
S-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd				1 8270C	0626 13:15 0629 06:14 RL	
3-Methylcholanthrene	ND	ug/l	20.			
Ethyl Methanesulfonate	ND	ug/l	15.			
Acetophenone	ND	ug/l	20.			
Nitrosodipiperidine	ND	ug/l	20.			
7,12-Dimethylbenz(a)anthracene	ND	ug/l	9.9			
n-Nitrosodimethylamine	ND	ug/l	49.			
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	20.			
4,6-Dinitro-o-cresol	ND	ug/l	20.			
Pentachlorophenol	ND	ug/l	20.			
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			
2,6-Dichlorophenol	ND	ug/l	9.9			
Benzoic Acid	ND	ug/l	49.			
Benzyl Alcohol	ND	ug/l	9.9			
Carbazole	ND	ug/l	4.9			
Pyridine	ND	ug/l	49.			
2-Picoline	ND	ug/l	20.			
Pronamide	ND	ug/l	20.			
Methyl methanesulfonate	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	43.0	%	21-120			
Phenol-d6	36.0	%	10-120			
Nitrobenzene-d5	76.0	%	23-120			
2-Fluorobiphenyl	78.0	%	43-120			
2,4,6-Tribromophenol	83.0	%	10-120			
4-Terphenyl-d14	86.0	%	33-120			
PAH by GC/MS SIM 8270M				1 8270C-M	0626 13:15 0629 06:54 RL	
Acenaphthene	ND	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			
Fluoranthene	ND	ug/l	0.20			
Hexachlorobutadiene	ND	ug/l	0.49			
Naphthalene	ND	ug/l	0.20			
Benzo(a)anthracene	ND	ug/l	0.20			
Benzo(a)pyrene	ND	ug/l	0.20			
Benzo(b)fluoranthene	ND	ug/l	0.20			
Benzo(k)fluoranthene	ND	ug/l	0.20			
Chrysene	ND	ug/l	0.20			
Acenaphthylene	ND	ug/l	0.20			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-09
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0626 13:15 0629 06:54	RL
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	ND	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				
1-Methylnaphthalene	0.33	ug/l	0.20				
2-Methylnaphthalene	0.24	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.79				
Hexachlorobenzene	ND	ug/l	0.79				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	ND	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.79				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	46.0	%	21-120				
Phenol-d6	43.0	%	10-120				
Nitrobenzene-d5	84.0	%	23-120				
2-Fluorobiphenyl	70.0	%	43-120				
2,4,6-Tribromophenol	52.0	%	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: L0608842-10	Date Collected: 21-JUN-2006 11:15
	Date Received : 22-JUN-2006
Sample Matrix: S-6 WATER	Date Reported : 30-JUN-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber,2-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID	
						PREP	ANAL		
Total Metals				1	3015				
Antimony, Total	ND	mg/l	0.050	1	6010B	0623 19:00	0626 14:45	CF	
Arsenic, Total	0.011	mg/l	0.005	1	6010B	0623 19:00	0626 14:45	CF	
Beryllium, Total	0.012	mg/l	0.005	1	6010B	0623 19:00	0626 14:45	CF	
Cadmium, Total	0.013	mg/l	0.005	1	6010B	0623 19:00	0626 14:45	CF	
Chromium, Total	0.65	mg/l	0.01	1	6010B	0623 19:00	0626 14:45	CF	
Copper, Total	2.8	mg/l	0.01	1	6010B	0623 19:00	0626 14:45	CF	
Lead, Total	0.339	mg/l	0.010	1	6010B	0623 19:00	0626 14:45	CF	
Mercury, Total	0.0009	mg/l	0.0002	1	7470A	0623 20:30	0626 15:25	HG	
Nickel, Total	0.513	mg/l	0.025	1	6010B	0623 19:00	0626 14:45	CF	
Selenium, Total	ND	mg/l	0.010	1	6010B	0623 19:00	0626 14:45	CF	
Silver, Total	ND	mg/l	0.007	1	6010B	0623 19:00	0626 14:45	CF	
Thallium, Total	ND	mg/l	0.020	1	6010B	0623 19:00	0627 15:16	CF	
Zinc, Total	1.6	mg/l	0.05	1	6010B	0623 19:00	0626 14:45	CF	
Dissolved Metals									
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0623 19:00	0626 20:49	CF	
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 20:49	CF	
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 20:49	CF	
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 20:49	CF	
Chromium, Dissolved	0.01	mg/l	0.01	1	6010B	0623 19:00	0626 20:49	CF	
Copper, Dissolved	ND	mg/l	0.01	1	6010B	0623 19:00	0626 20:49	CF	
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 20:49	CF	
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0623 20:30	0626 15:00	HG	
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0623 19:00	0626 20:49	CF	
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 20:49	CF	
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0623 19:00	0626 20:49	CF	
Thallium, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 20:49	CF	
Zinc, Dissolved	ND	mg/l	0.05	1	6010B	0623 19:00	0626 20:49	CF	
Volatile Organics by GC/MS 8260				1	8260B	0625 22:50 PD			
Methylene chloride	ND	ug/l	5.0						
1,1-Dichloroethane	ND	ug/l	0.75						
Chloroform	0.78	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						

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-10

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0625 22:50 PD	
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				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	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				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-10

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0625 22:50 PD	
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			
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	85.0	%	70-130			
Toluene-d8	76.0	%	70-130			
4-Bromofluorobenzene	76.0	%	70-130			
Dibromofluoromethane	81.0	%	70-130			
SVOC's by GC/MS 8270				1 8270C	0626 13:15 0628 19:32 RL	
Acenaphthene	ND	ug/l	5.0			
Benzidine	ND	ug/l	50.			
1,2,4-Trichlorobenzene	ND	ug/l	5.0			
Hexachlorobenzene	ND	ug/l	5.0			
Bis(2-chloroethyl)ether	ND	ug/l	5.0			
1-Chloronaphthalene	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			
Azobenzene	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	10.			
Hexachloroethane	ND	ug/l	5.0			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-10

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0626 13:15	0628 19:32 RL
Isophorone	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.				
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				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	10.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	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				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	20.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	10.				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	10.				
Pentachloronitrobenzene	ND	ug/l	10.				
Isodrin	ND	ug/l	10.				
p-Dimethylaminoazobenzene	ND	ug/l	10.				
Chlorobenzilate	ND	ug/l	20.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-10

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd				1 8270C	0626 13:15 0628 19:32 RL	
3-Methylcholanthrene	ND	ug/l	20.			
Ethyl Methanesulfonate	ND	ug/l	15.			
Acetophenone	ND	ug/l	20.			
Nitrosodipiperidine	ND	ug/l	20.			
7,12-Dimethylbenz(a)anthracene	ND	ug/l	10.			
n-Nitrosodimethylamine	ND	ug/l	50.			
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	20.			
4,6-Dinitro-o-cresol	ND	ug/l	20.			
Pentachlorophenol	ND	ug/l	20.			
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			
2,6-Dichlorophenol	ND	ug/l	10.			
Benzoic Acid	ND	ug/l	50.			
Benzyl Alcohol	ND	ug/l	10.			
Carbazole	ND	ug/l	5.0			
Pyridine	ND	ug/l	50.			
2-Picoline	ND	ug/l	20.			
Pronamide	ND	ug/l	20.			
Methyl methanesulfonate	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	45.0	%	21-120			
Phenol-d6	42.0	%	10-120			
Nitrobenzene-d5	86.0	%	23-120			
2-Fluorobiphenyl	84.0	%	43-120			
2,4,6-Tribromophenol	88.0	%	10-120			
4-Terphenyl-d14	102	%	33-120			
PAH by GC/MS SIM 8270M				1 8270C-M	0626 13:15 0629 07:40 RL	
Acenaphthene	ND	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			
Fluoranthene	0.26	ug/l	0.20			
Hexachlorobutadiene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	0.20			
Benzo(a)anthracene	ND	ug/l	0.20			
Benzo(a)pyrene	ND	ug/l	0.20			
Benzo(b)fluoranthene	ND	ug/l	0.20			
Benzo(k)fluoranthene	ND	ug/l	0.20			
Chrysene	ND	ug/l	0.20			
Acenaphthylene	ND	ug/l	0.20			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-10
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0626 13:15	0629 07:40 RL
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	0.34	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	0.27	ug/l	0.20				
1-Methylnaphthalene	ND	ug/l	0.20				
2-Methylnaphthalene	ND	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.80				
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	ND	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	46.0	%	21-120				
Phenol-d6	42.0	%	10-120				
Nitrobenzene-d5	82.0	%	23-120				
2-Fluorobiphenyl	68.0	%	43-120				
2,4,6-Tribromophenol	55.0	%	10-120				
4-Terphenyl-d14	90.0	%	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: L0608842-11	Date Collected: 21-JUN-2006 10:10
	Date Received : 22-JUN-2006
Sample Matrix: S-8 WATER	Date Reported : 30-JUN-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber,2-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	0623 19:00	0626 15:36	CF
Arsenic, Total	0.135	mg/l	0.005	1	6010B	0623 19:00	0626 15:36	CF
Beryllium, Total	0.014	mg/l	0.005	1	6010B	0623 19:00	0626 15:36	CF
Cadmium, Total	0.113	mg/l	0.005	1	6010B	0623 19:00	0626 15:36	CF
Chromium, Total	1.0	mg/l	0.01	1	6010B	0623 19:00	0626 15:36	CF
Copper, Total	7.8	mg/l	0.01	1	6010B	0623 19:00	0626 15:36	CF
Lead, Total	40.2	mg/l	0.010	1	6010B	0623 19:00	0626 15:36	CF
Mercury, Total	0.0580	mg/l	0.0020	1	7470A	0623 20:30	0626 18:58	HG
Nickel, Total	0.653	mg/l	0.025	1	6010B	0623 19:00	0626 15:36	CF
Selenium, Total	ND	mg/l	0.010	1	6010B	0623 19:00	0626 15:36	CF
Silver, Total	0.008	mg/l	0.007	1	6010B	0623 19:00	0626 15:36	CF
Thallium, Total	ND	mg/l	0.050	1	6010B	0623 19:00	0627 15:20	CF
Zinc, Total	38	mg/l	0.05	1	6010B	0623 19:00	0626 15:36	CF
Dissolved Metals								
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0623 19:00	0626 20:53	CF
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 20:53	CF
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 20:53	CF
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 20:53	CF
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0623 19:00	0626 20:53	CF
Copper, Dissolved	ND	mg/l	0.01	1	6010B	0623 19:00	0626 20:53	CF
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 20:53	CF
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0623 20:30	0626 15:02	HG
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0623 19:00	0626 20:53	CF
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 20:53	CF
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0623 19:00	0626 20:53	CF
Thallium, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 20:53	CF
Zinc, Dissolved	ND	mg/l	0.05	1	6010B	0623 19:00	0626 20:53	CF
Volatile Organics by GC/MS 8260				1	8260B	0625 23:30 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					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-11
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0625 23:30 PD	
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	3.7	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				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	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				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-11
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0625 23:30 PD	
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			
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	95.0	%	70-130			
Toluene-d8	84.0	%	70-130			
4-Bromofluorobenzene	84.0	%	70-130			
Dibromofluoromethane	92.0	%	70-130			
SVOC's by GC/MS 8270				1 8270C	0626 13:15 0628 19:57 RL	
Acenaphthene	ND	ug/l	4.8			
Benzidine	ND	ug/l	48.			
1,2,4-Trichlorobenzene	ND	ug/l	4.8			
Hexachlorobenzene	ND	ug/l	4.8			
Bis(2-chloroethyl)ether	ND	ug/l	4.8			
1-Chloronaphthalene	ND	ug/l	4.8			
2-Chloronaphthalene	ND	ug/l	5.7			
1,2-Dichlorobenzene	ND	ug/l	4.8			
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			
Azobenzene	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	9.5			
Hexachlorocyclopentadiene	ND	ug/l	9.5			
Hexachloroethane	ND	ug/l	4.8			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-11
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0626 13:15	0628 19:57 RL
Isophorone	ND	ug/l	4.8				
Naphthalene	ND	ug/l	4.8				
Nitrobenzene	ND	ug/l	4.8				
NDPA/DPA	ND	ug/l	14.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.8				
Bis(2-ethylhexyl)phthalate	ND	ug/l	9.5				
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				
Benzo(e)pyrene	ND	ug/l	4.8				
Biphenyl	ND	ug/l	4.8				
Perylene	ND	ug/l	4.8				
Aniline	ND	ug/l	9.5				
4-Chloroaniline	ND	ug/l	4.8				
1-Methylnaphthalene	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				
a,a-Dimethylphenethylamine	ND	ug/l	48.				
Hexachloropropene	ND	ug/l	9.5				
Nitrosodi-n-butylamine	ND	ug/l	9.5				
2-Methylnaphthalene	ND	ug/l	4.8				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	19.				
Pentachlorobenzene	ND	ug/l	19.				
a-Naphthylamine	ND	ug/l	19.				
b-Naphthylamine	ND	ug/l	19.				
Phenacetin	ND	ug/l	9.5				
Dimethoate	ND	ug/l	19.				
4-Aminobiphenyl	ND	ug/l	9.5				
Pentachloronitrobenzene	ND	ug/l	9.5				
Isodrin	ND	ug/l	9.5				
p-Dimethylaminoazobenzene	ND	ug/l	9.5				
Chlorobenzilate	ND	ug/l	19.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-11
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0626 13:15	0628 19:57 RL
3-Methylcholanthrene	ND	ug/l	19.				
Ethyl Methanesulfonate	ND	ug/l	14.				
Acetophenone	ND	ug/l	19.				
Nitrosodipiperidine	ND	ug/l	19.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	9.5				
n-Nitrosodimethylamine	ND	ug/l	48.				
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				
2,4-Dichlorophenol	ND	ug/l	9.5				
2,4-Dimethylphenol	ND	ug/l	9.5				
2-Nitrophenol	ND	ug/l	19.				
4-Nitrophenol	ND	ug/l	9.5				
2,4-Dinitrophenol	ND	ug/l	19.				
4,6-Dinitro-o-cresol	ND	ug/l	19.				
Pentachlorophenol	ND	ug/l	19.				
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				
2,6-Dichlorophenol	ND	ug/l	9.5				
Benzoic Acid	ND	ug/l	48.				
Benzyl Alcohol	ND	ug/l	9.5				
Carbazole	ND	ug/l	4.8				
Pyridine	ND	ug/l	48.				
2-Picoline	ND	ug/l	19.				
Pronamide	ND	ug/l	19.				
Methyl methanesulfonate	ND	ug/l	19.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	34.0	%	21-120				
Phenol-d6	31.0	%	10-120				
Nitrobenzene-d5	64.0	%	23-120				
2-Fluorobiphenyl	69.0	%	43-120				
2,4,6-Tribromophenol	82.0	%	10-120				
4-Terphenyl-d14	94.0	%	33-120				
PAH by GC/MS SIM 8270M				1	8270C-M	0626 13:15	0629 08:22 RL
Acenaphthene	ND	ug/l	0.19				
2-Chloronaphthalene	ND	ug/l	0.19				
Fluoranthene	0.29	ug/l	0.19				
Hexachlorobutadiene	ND	ug/l	0.48				
Naphthalene	ND	ug/l	0.19				
Benzo(a)anthracene	ND	ug/l	0.19				
Benzo(a)pyrene	ND	ug/l	0.19				
Benzo(b)fluoranthene	ND	ug/l	0.19				
Benzo(k)fluoranthene	ND	ug/l	0.19				
Chrysene	ND	ug/l	0.19				
Acenaphthylene	ND	ug/l	0.19				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-11
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0626 13:15	0629 08:22	RL
Anthracene	ND	ug/l	0.19					
Benzo(ghi)perylene	ND	ug/l	0.19					
Fluorene	ND	ug/l	0.19					
Phenanthrene	0.21	ug/l	0.19					
Dibenzo(a,h)anthracene	ND	ug/l	0.19					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.19					
Pyrene	0.28	ug/l	0.19					
1-Methylnaphthalene	ND	ug/l	0.19					
2-Methylnaphthalene	ND	ug/l	0.19					
Pentachlorophenol	ND	ug/l	0.76					
Hexachlorobenzene	ND	ug/l	0.76					
Perylene	ND	ug/l	0.19					
Biphenyl	ND	ug/l	0.19					
2,6-Dimethylnaphthalene	ND	ug/l	0.19					
1-Methylphenanthrene	ND	ug/l	0.19					
Benzo(e)Pyrene	ND	ug/l	0.19					
Hexachloroethane	ND	ug/l	0.76					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	35.0	%	21-120					
Phenol-d6	33.0	%	10-120					
Nitrobenzene-d5	63.0	%	23-120					
2-Fluorobiphenyl	55.0	%	43-120					
2,4,6-Tribromophenol	51.0	%	10-120					
4-Terphenyl-d14	89.0	%	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: L0608842-12	Date Collected: 21-JUN-2006 11:45
	Date Received : 22-JUN-2006
Sample Matrix: S-2 WATER	Date Reported : 30-JUN-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber,2-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Total Metals						
				1 3015		
Antimony, Total	ND	mg/l	0.050	1 6010B	0623 19:00 0626 15:40	CF
Arsenic, Total	0.010	mg/l	0.005	1 6010B	0623 19:00 0626 15:40	CF
Beryllium, Total	ND	mg/l	0.005	1 6010B	0623 19:00 0626 15:40	CF
Cadmium, Total	ND	mg/l	0.005	1 6010B	0623 19:00 0626 15:40	CF
Chromium, Total	0.17	mg/l	0.01	1 6010B	0623 19:00 0626 15:40	CF
Copper, Total	0.21	mg/l	0.01	1 6010B	0623 19:00 0626 15:40	CF
Lead, Total	0.106	mg/l	0.010	1 6010B	0623 19:00 0626 15:40	CF
Mercury, Total	ND	mg/l	0.0002	1 7470A	0623 20:30 0626 16:01	HG
Nickel, Total	0.145	mg/l	0.025	1 6010B	0623 19:00 0626 15:40	CF
Selenium, Total	ND	mg/l	0.010	1 6010B	0623 19:00 0626 15:40	CF
Silver, Total	ND	mg/l	0.007	1 6010B	0623 19:00 0626 15:40	CF
Thallium, Total	ND	mg/l	0.010	1 6010B	0623 19:00 0626 15:40	CF
Zinc, Total	0.25	mg/l	0.05	1 6010B	0623 19:00 0626 15:40	CF
Dissolved Metals						
Antimony, Dissolved	ND	mg/l	0.050	1 6010B	0623 19:00 0626 20:56	CF
Arsenic, Dissolved	ND	mg/l	0.005	1 6010B	0623 19:00 0626 20:56	CF
Beryllium, Dissolved	ND	mg/l	0.005	1 6010B	0623 19:00 0626 20:56	CF
Cadmium, Dissolved	ND	mg/l	0.005	1 6010B	0623 19:00 0626 20:56	CF
Chromium, Dissolved	ND	mg/l	0.01	1 6010B	0623 19:00 0626 20:56	CF
Copper, Dissolved	ND	mg/l	0.01	1 6010B	0623 19:00 0626 20:56	CF
Lead, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:56	CF
Mercury, Dissolved	ND	mg/l	0.0002	1 7470A	0623 20:30 0626 15:04	HG
Nickel, Dissolved	ND	mg/l	0.025	1 6010B	0623 19:00 0626 20:56	CF
Selenium, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:56	CF
Silver, Dissolved	ND	mg/l	0.007	1 6010B	0623 19:00 0626 20:56	CF
Thallium, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:56	CF
Zinc, Dissolved	ND	mg/l	0.05	1 6010B	0623 19:00 0626 20:56	CF
Volatile Organics by GC/MS 8260						
				1 8260B	0626 00:10	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			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-12

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0626 00:10 PD		
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	76	ug/l	1.0					
Toluene	120	ug/l	1.5					
Ethylbenzene	14	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	14	ug/l	2.0					
p/m-Xylene	>200	ug/l	2					
o-Xylene	38	ug/l	2.0					
cis-1,2-Dichloroethene	ND	ug/l	1.0					
Dibromomethane	ND	ug/l	10.					
1,4-Dichlorobutane	ND	ug/l	10.					
Iodomethane	ND	ug/l	10.					
1,2,3-Trichloropropane	ND	ug/l	10.					
Styrene	ND	ug/l	2.0					
Dichlorodifluoromethane	ND	ug/l	10.					
Acetone	13	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.					
Ethyl methacrylate	ND	ug/l	10.					
Acrolein	ND	ug/l	25.					
Acrylonitrile	ND	ug/l	10.					
Bromochloromethane	ND	ug/l	5.0					
Tetrahydrofuran	ND	ug/l	20.					
2,2-Dichloropropane	ND	ug/l	5.0					
1,2-Dibromoethane	ND	ug/l	4.0					
1,3-Dichloropropane	ND	ug/l	5.0					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-12

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd						
				1 8260B	0626 00:10 PD	
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0			
Bromobenzene	ND	ug/l	5.0			
n-Butylbenzene	6.0	ug/l	1.0			
sec-Butylbenzene	6.8	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	87	ug/l	1.0			
p-Isopropyltoluene	1.4	ug/l	1.0			
Naphthalene	16	ug/l	5.0			
n-Propylbenzene	140	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	15	ug/l	5.0			
1,2,4-Trimethylbenzene	ND	ug/l	5.0			
trans-1,4-Dichloro-2-butene	ND	ug/l	5.0			
Ethyl ether	ND	ug/l	5.0			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	83.0	%	70-130			
Toluene-d8	84.0	%	70-130			
4-Bromofluorobenzene	90.0	%	70-130			
Dibromofluoromethane	74.0	%	70-130			
Volatile Organics by GC/MS 8260						
				1 8260B	0626 11:08 PD	
p/m-Xylene	430	ug/l	10			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	80.0	%	70-130			
Toluene-d8	82.0	%	70-130			
4-Bromofluorobenzene	87.0	%	70-130			
Dibromofluoromethane	76.0	%	70-130			
SVOC's by GC/MS 8270						
				1 8270C	0626 13:15 0628 20:22 RL	
Acenaphthene	ND	ug/l	5.0			
Benzidine	ND	ug/l	50.			
1,2,4-Trichlorobenzene	ND	ug/l	5.0			
Hexachlorobenzene	ND	ug/l	5.0			
Bis(2-chloroethyl)ether	ND	ug/l	5.0			
1-Chloronaphthalene	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			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-12

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0626 13:15	0628 20:22 RL
Azobenzene	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	10.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	6.8	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.				
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				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	10.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	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				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-12
S-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd				1 8270C	0626 13:15 0628 20:22 RL	
a-Naphthylamine	ND	ug/l	20.			
b-Naphthylamine	ND	ug/l	20.			
Phenacetin	ND	ug/l	10.			
Dimethoate	ND	ug/l	20.			
4-Aminobiphenyl	ND	ug/l	10.			
Pentachloronitrobenzene	ND	ug/l	10.			
Isodrin	ND	ug/l	10.			
p-Dimethylaminoazobenzene	ND	ug/l	10.			
Chlorobenzilate	ND	ug/l	20.			
3-Methylcholanthrene	ND	ug/l	20.			
Ethyl Methanesulfonate	ND	ug/l	15.			
Acetophenone	ND	ug/l	20.			
Nitrosodipiperidine	ND	ug/l	20.			
7,12-Dimethylbenz(a)anthracene	ND	ug/l	10.			
n-Nitrosodimethylamine	ND	ug/l	50.			
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	20.			
4,6-Dinitro-o-cresol	ND	ug/l	20.			
Pentachlorophenol	ND	ug/l	20.			
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			
2,6-Dichlorophenol	ND	ug/l	10.			
Benzoic Acid	ND	ug/l	50.			
Benzyl Alcohol	ND	ug/l	10.			
Carbazole	ND	ug/l	5.0			
Pyridine	ND	ug/l	50.			
2-Picoline	ND	ug/l	20.			
Pronamide	ND	ug/l	20.			
Methyl methanesulfonate	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	40.0	%	21-120			
Phenol-d6	34.0	%	10-120			
Nitrobenzene-d5	74.0	%	23-120			
2-Fluorobiphenyl	76.0	%	43-120			
2,4,6-Tribromophenol	83.0	%	10-120			
4-Terphenyl-d14	93.0	%	33-120			
PAH by GC/MS SIM 8270M				1 8270C-M	0626 13:15 0629 09:03 RL	
Acenaphthene	ND	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-12
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0626 13:15	0629 09:03 RL
Fluoranthene	0.49	ug/l	0.20				
Hexachlorobutadiene	ND	ug/l	0.50				
Naphthalene	6.5	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	0.69	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	0.29	ug/l	0.20				
1-Methylnaphthalene	2.4	ug/l	0.20				
2-Methylnaphthalene	2.3	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.80				
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	0.26	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	42.0	%	21-120				
Phenol-d6	38.0	%	10-120				
Nitrobenzene-d5	78.0	%	23-120				
2-Fluorobiphenyl	62.0	%	43-120				
2,4,6-Tribromophenol	47.0	%	10-120				
4-Terphenyl-d14	89.0	%	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: L0608842-13

Date Collected: 15-JUN-2006 12:30

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Date Received : 22-JUN-2006

Sample Matrix: WATER

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260				1 8260B	0626 10:28 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			
1,4-Dichlorobutane	ND	ug/l	5.0			
Iodomethane	ND	ug/l	5.0			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-13
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0626 10:28 PD	
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				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
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				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	88.0	%	70-130				
Toluene-d8	76.0	%	70-130				
4-Bromofluorobenzene	77.0	%	70-130				
Dibromofluoromethane	81.0	%	70-130				

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: L0608842-14

Date Collected: 21-JUN-2006 09:20

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Date Received : 22-JUN-2006

Sample Matrix: WATER

Date Reported : 30-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	ANAL	ID
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.250	1	6010B	0623 19:00	0626 15:44	CF
Arsenic, Total	0.347	mg/l	0.025	1	6010B	0623 19:00	0626 15:44	CF
Beryllium, Total	0.078	mg/l	0.025	1	6010B	0623 19:00	0626 15:44	CF
Cadmium, Total	0.086	mg/l	0.025	1	6010B	0623 19:00	0626 15:44	CF
Chromium, Total	3.5	mg/l	0.05	1	6010B	0623 19:00	0626 15:44	CF
Copper, Total	8.5	mg/l	0.05	1	6010B	0623 19:00	0626 15:44	CF
Lead, Total	40.1	mg/l	0.050	1	6010B	0623 19:00	0626 15:44	CF
Mercury, Total	0.0276	mg/l	0.0020	1	7470A	0623 20:30	0626 16:06	HG
Nickel, Total	4.03	mg/l	0.125	1	6010B	0623 19:00	0626 15:44	CF
Selenium, Total	ND	mg/l	0.050	1	6010B	0623 19:00	0626 15:44	CF
Silver, Total	ND	mg/l	0.035	1	6010B	0623 19:00	0626 15:44	CF
Thallium, Total	ND	mg/l	0.100	1	6010B	0623 19:00	0627 15:24	CF
Zinc, Total	14	mg/l	0.25	1	6010B	0623 19:00	0626 15:44	CF
Dissolved Metals								
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0623 19:00	0626 21:00	CF
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 21:00	CF
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 21:00	CF
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 21:00	CF
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0623 19:00	0626 21:00	CF
Copper, Dissolved	ND	mg/l	0.01	1	6010B	0623 19:00	0626 21:00	CF
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 21:00	CF
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0623 20:30	0626 15:09	HG
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0623 19:00	0626 21:00	CF
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 21:00	CF
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0623 19:00	0626 21:00	CF
Thallium, Dissolved	ND	mg/l	0.010	1	6010B	0623 19:00	0626 21:00	CF
Zinc, Dissolved	ND	mg/l	0.05	1	6010B	0623 19:00	0626 21:00	CF
Volatile Organics by GC/MS 8260				1	8260B		0626 01:29	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					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-14

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0626 01:29 PD	
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	4.5	ug/l	0.50				
Toluene	2.2	ug/l	0.75				
Ethylbenzene	16	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	3.0	ug/l	1.0				
p/m-Xylene	64	ug/l	1.0				
o-Xylene	5.7	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	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	11	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				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-14
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260 cont'd						
				1 8260B	0626 01:29 PD	
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
Bromobenzene	ND	ug/l	2.5			
n-Butylbenzene	2.6	ug/l	0.50			
sec-Butylbenzene	1.1	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	3.4	ug/l	0.50			
p-Isopropyltoluene	1.0	ug/l	0.50			
Naphthalene	27	ug/l	2.5			
n-Propylbenzene	5.6	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	50	ug/l	2.5			
1,2,4-Trimethylbenzene	>100	ug/l	2.5			
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	76.0	%	70-130			
Toluene-d8	78.0	%	70-130			
4-Bromofluorobenzene	75.0	%	70-130			
Dibromofluoromethane	71.0	%	70-130			
Volatile Organics by GC/MS 8260						
				1 8260B	0626 11:48 PD	
1,2,4-Trimethylbenzene	140	ug/l	10			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	93.0	%	70-130			
Toluene-d8	85.0	%	70-130			
4-Bromofluorobenzene	80.0	%	70-130			
Dibromofluoromethane	83.0	%	70-130			
SVOC's by GC/MS 8270						
				1 8270C	0626 13:15 0628 20:48 RL	
Acenaphthene	ND	ug/l	5.0			
Benzidine	ND	ug/l	50.			
1,2,4-Trichlorobenzene	ND	ug/l	5.0			
Hexachlorobenzene	ND	ug/l	5.0			
Bis(2-chloroethyl)ether	ND	ug/l	5.0			
1-Chloronaphthalene	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			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-14
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0626 13:15	0628 20:48 RL
Azobenzene	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	10.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	16	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.				
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				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	10.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	7.0	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				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	9.1	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-14
S-4

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd				1 8270C	0626 13:15 0628 20:48 RL	
a-Naphthylamine	ND	ug/l	20.			
b-Naphthylamine	ND	ug/l	20.			
Phenacetin	ND	ug/l	10.			
Dimethoate	ND	ug/l	20.			
4-Aminobiphenyl	ND	ug/l	10.			
Pentachloronitrobenzene	ND	ug/l	10.			
Isodrin	ND	ug/l	10.			
p-Dimethylaminoazobenzene	ND	ug/l	10.			
Chlorobenzilate	ND	ug/l	20.			
3-Methylcholanthrene	ND	ug/l	20.			
Ethyl Methanesulfonate	ND	ug/l	15.			
Acetophenone	ND	ug/l	20.			
Nitrosodipiperidine	ND	ug/l	20.			
7,12-Dimethylbenz(a)anthracene	ND	ug/l	10.			
n-Nitrosodimethylamine	ND	ug/l	50.			
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	20.			
4,6-Dinitro-o-cresol	ND	ug/l	20.			
Pentachlorophenol	ND	ug/l	20.			
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			
2,6-Dichlorophenol	ND	ug/l	10.			
Benzoic Acid	ND	ug/l	50.			
Benzyl Alcohol	ND	ug/l	10.			
Carbazole	ND	ug/l	5.0			
Pyridine	ND	ug/l	50.			
2-Picoline	ND	ug/l	20.			
Pronamide	ND	ug/l	20.			
Methyl methanesulfonate	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	44.0	%	21-120			
Phenol-d6	41.0	%	10-120			
Nitrobenzene-d5	76.0	%	23-120			
2-Fluorobiphenyl	80.0	%	43-120			
2,4,6-Tribromophenol	79.0	%	10-120			
4-Terphenyl-d14	91.0	%	33-120			
PAH by GC/MS SIM 8270M				1 8270C-M	0626 13:15 0629 09:45 RL	
Acenaphthene	ND	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0608842-14

S-4

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0626 13:15 0629 09:45	RL
Fluoranthene	ND	ug/l	0.20				
Hexachlorobutadiene	ND	ug/l	0.50				
Naphthalene	15	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	0.25	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				
1-Methylnaphthalene	6.2	ug/l	0.20				
2-Methylnaphthalene	9.4	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.80				
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	0.70	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	45.0	%	21-120				
Phenol-d6	46.0	%	10-120				
Nitrobenzene-d5	81.0	%	23-120				
2-Fluorobiphenyl	68.0	%	43-120				
2,4,6-Tribromophenol	48.0	%	10-120				
4-Terphenyl-d14	81.0	%	33-120				

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0608842

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-05 (L0608830-01, WG244099-1)					
Solids, Total	94	94	%	0	20
Solids, Total for sample(s) 06-08 (L0608829-01, WG244105-1)					
Solids, Total	94	94	%	0	20
Total Metals for sample(s) 09-12,14 (L0608785-03, WG244139-1)					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01-08 (L0608842-01, WG244191-1)					
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	1.0	0.98	mg/kg	2	35
Beryllium, Total	0.38	0.41	mg/kg	8	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Chromium, Total	26	26	mg/kg	0	35
Copper, Total	28	29	mg/kg	4	35
Lead, Total	18	22	mg/kg	20	35
Nickel, Total	18	18	mg/kg	0	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Thallium, Total	ND	ND	mg/kg	NC	35
Zinc, Total	34	36	mg/kg	6	35
Total Metals for sample(s) 09-12,14 (L0608842-12, WG244187-3)					
Mercury, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01-08 (L0608830-01, WG244360-3)					
Mercury, Total	ND	ND	mg/kg	NC	35
Dissolved Metals for sample(s) 09-12,14 (L0608842-09, WG244136-1)					
Antimony, Dissolved	ND	ND	mg/l	NC	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Nickel, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0608842

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Dissolved Metals for sample(s) 09-12,14 (L0608842-09, WG244136-1)					
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 09-12,14 (L0608842-12, WG244186-3)					
Mercury, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0608842

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 09-12,14 (WG244139-4)		
Antimony, Total	111	75-125
Arsenic, Total	110	75-125
Beryllium, Total	109	75-125
Cadmium, Total	109	75-125
Chromium, Total	105	75-125
Copper, Total	104	75-125
Lead, Total	108	75-125
Nickel, Total	101	75-125
Selenium, Total	115	75-125
Silver, Total	108	75-125
Thallium, Total	109	75-125
Zinc, Total	106	75-125
Total Metals LCS for sample(s) 01-08 (WG244191-4)		
Antimony, Total	96	70-140
Arsenic, Total	99	70-140
Beryllium, Total	106	70-140
Cadmium, Total	104	70-140
Chromium, Total	98	70-140
Copper, Total	93	70-140
Lead, Total	99	70-140
Nickel, Total	96	70-140
Selenium, Total	101	70-140
Silver, Total	101	70-140
Thallium, Total	99	70-140
Zinc, Total	101	70-140
Total Metals LCS for sample(s) 09-12,14 (WG244187-1)		
Mercury, Total	98	85-115
Total Metals LCS for sample(s) 01-08 (WG244360-1)		
Mercury, Total	110	85-115
Dissolved Metals LCS for sample(s) 09-12,14 (WG244136-4)		
Antimony, Dissolved	101	75-125
Arsenic, Dissolved	100	75-125
Beryllium, Dissolved	96	75-125
Cadmium, Dissolved	100	75-125
Chromium, Dissolved	95	75-125
Copper, Dissolved	96	75-125
Lead, Dissolved	99	75-125
Nickel, Dissolved	92	75-125
Selenium, Dissolved	104	75-125
Silver, Dissolved	96	75-125
Thallium, Dissolved	97	75-125
Zinc, Dissolved	92	75-125

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0608842

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals LCS for sample(s) 09-12,14 (WG244186-1)		
Mercury, Dissolved	97	70-130
Volatile Organics by GC/MS 8260 LCS for sample(s) 09-12,14 (WG244278-3)		
Chlorobenzene	103	75-130
Benzene	98	76-127
Toluene	105	76-125
1,1-Dichloroethene	86	61-145
Trichloroethene	94	71-120
Surrogate(s)		
1,2-Dichloroethane-d4	79	70-130
Toluene-d8	76	70-130
4-Bromofluorobenzene	75	70-130
Dibromofluoromethane	72	70-130
Volatile Organics by GC/MS 8260 LCS for sample(s) 01-02,04,06-08 (WG244803-3)		
Chlorobenzene	102	60-133
Benzene	107	66-142
Toluene	99	59-139
1,1-Dichloroethene	98	59-172
Trichloroethene	105	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	94	70-130
Dibromofluoromethane	94	70-130
Volatile Organics by GC/MS 8260 LCS for sample(s) 02-05 (WG244803-5)		
Chlorobenzene	99	60-133
Benzene	100	66-142
Toluene	97	59-139
1,1-Dichloroethene	92	59-172
Trichloroethene	96	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	98	70-130
Dibromofluoromethane	102	70-130
Volatile Organics by GC/MS 8260 LCS for sample(s) 12-14 (WG244278-7)		
Chlorobenzene	105	75-130
Benzene	100	76-127
Toluene	107	76-125
1,1-Dichloroethene	90	61-145
Trichloroethene	95	71-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0608842

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 8260 LCS for sample(s) 12-14 (WG244278-7)		
Surrogate(s)		
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	84	70-130
4-Bromofluorobenzene	83	70-130
Dibromofluoromethane	80	70-130
SVOC's by GC/MS 8270 LCS for sample(s) 01,03-08 (WG244098-2)		
Acenaphthene	78	31-137
1,2,4-Trichlorobenzene	73	38-107
2-Chloronaphthalene	80	40-140
1,2-Dichlorobenzene	64	40-140
1,4-Dichlorobenzene	61	28-104
2,4-Dinitrotoluene	94	28-89
2,6-Dinitrotoluene	97	40-140
Fluoranthene	86	40-140
4-Chlorophenyl phenyl ether	84	40-140
n-Nitrosodi-n-propylamine	64	41-126
Butyl benzyl phthalate	98	40-140
Anthracene	76	40-140
Pyrene	81	35-142
Hexachloropropene	80	40-140
P-Chloro-M-Cresol	78	26-103
2-Chlorophenol	59	25-102
2-Nitrophenol	65	30-130
4-Nitrophenol	84	11-114
2,4-Dinitrophenol	50	30-130
Pentachlorophenol	78	17-109
Phenol	58	26-90
Surrogate(s)		
2-Fluorophenol	61	25-120
Phenol-d6	80	10-120
Nitrobenzene-d5	73	23-120
2-Fluorobiphenyl	78	30-120
2,4,6-Tribromophenol	79	19-120
4-Terphenyl-d14	90	18-120
SVOC's by GC/MS 8270 LCS for sample(s) 09-12,14 (WG244291-2)		
Acenaphthene	72	46-118
1,2,4-Trichlorobenzene	60	39-98
2-Chloronaphthalene	71	40-140
1,2-Dichlorobenzene	55	40-140
1,4-Dichlorobenzene	53	36-97
2,4-Dinitrotoluene	100	24-96
2,6-Dinitrotoluene	105	40-140
Fluoranthene	88	40-140
4-Chlorophenyl phenyl ether	82	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0608842

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 09-12,14 (WG244291-2)		
n-Nitrosodi-n-propylamine	54	41-116
Butyl benzyl phthalate	103	40-140
Anthracene	76	40-140
Pyrene	82	26-127
Hexachloropropene	55	40-140
P-Chloro-M-Cresol	74	23-97
2-Chlorophenol	54	27-123
2-Nitrophenol	62	30-130
4-Nitrophenol	49	10-80
2,4-Dinitrophenol	84	30-130
Pentachlorophenol	80	9-103
Phenol	27	12-110
Surrogate(s)		
2-Fluorophenol	39	21-120
Phenol-d6	35	10-120
Nitrobenzene-d5	68	23-120
2-Fluorobiphenyl	69	43-120
2,4,6-Tribromophenol	81	10-120
4-Terphenyl-d14	91	33-120
SVOC's by GC/MS 8270 LCS for sample(s) 02 (WG244731-2)		
Acenaphthene	93	31-137
1,2,4-Trichlorobenzene	87	38-107
2-Chloronaphthalene	100	40-140
1,2-Dichlorobenzene	76	40-140
1,4-Dichlorobenzene	72	28-104
2,4-Dinitrotoluene	100	28-89
2,6-Dinitrotoluene	104	40-140
Fluoranthene	114	40-140
4-Chlorophenyl phenyl ether	96	40-140
n-Nitrosodi-n-propylamine	62	41-126
Butyl benzyl phthalate	106	40-140
Anthracene	97	40-140
Pyrene	106	35-142
Hexachloropropene	92	40-140
P-Chloro-M-Cresol	92	26-103
2-Chlorophenol	74	25-102
2-Nitrophenol	75	30-130
4-Nitrophenol	97	11-114
2,4-Dinitrophenol	48	30-130
Pentachlorophenol	87	17-109
Phenol	72	26-90
Surrogate(s)		
2-Fluorophenol	78	25-120
Phenol-d6	98	10-120
Nitrobenzene-d5	87	23-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0608842

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 02 (WG244731-2)		
2-Fluorobiphenyl	111	30-120
2,4,6-Tribromophenol	114	19-120
4-Terphenyl-d14	119	18-120
PAH by GC/MS SIM 8270M LCS for sample(s) 01,03-08 (WG244101-2)		
Acenaphthene	87	31-137
2-Chloronaphthalene	82	40-140
Fluoranthene	106	40-140
Anthracene	80	40-140
Pyrene	92	35-142
Pentachlorophenol	46	17-109
Surrogate(s)		
2-Fluorophenol	78	25-120
Phenol-d6	104	10-120
Nitrobenzene-d5	92	23-120
2-Fluorobiphenyl	79	30-120
2,4,6-Tribromophenol	64	19-120
4-Terphenyl-d14	112	18-120
PAH by GC/MS SIM 8270M LCS for sample(s) 09-12,14 (WG244290-2)		
Acenaphthene	79	46-118
2-Chloronaphthalene	76	
Fluoranthene	100	
Anthracene	76	
Pyrene	90	26-127
Pentachlorophenol	64	9-103
Surrogate(s)		
2-Fluorophenol	52	21-120
Phenol-d6	49	10-120
Nitrobenzene-d5	94	23-120
2-Fluorobiphenyl	79	43-120
2,4,6-Tribromophenol	70	10-120
4-Terphenyl-d14	117	33-120
PAH by GC/MS SIM 8270M LCS for sample(s) 02 (WG244732-2)		
Acenaphthene	89	31-137
2-Chloronaphthalene	80	40-140
Fluoranthene	121	40-140
Anthracene	95	40-140
Pyrene	104	35-142
Pentachlorophenol	17	17-109
Surrogate(s)		
2-Fluorophenol	89	25-120
Phenol-d6	115	10-120
Nitrobenzene-d5	105	23-120

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES**

Laboratory Job Number: L0608842

Continued

Parameter	% Recovery	QC Criteria
PAH by GC/MS SIM 8270M LCS for sample(s) 02 (WG244732-2)		
2-Fluorobiphenyl	87	30-120
2,4,6-Tribromophenol	69	19-120
4-Terphenyl-d14	101	18-120
Total Metals SPIKE for sample(s) 09-12,14 (L0608785-03, WG244139-2)		
Antimony, Total	101	75-125
Arsenic, Total	101	75-125
Beryllium, Total	101	75-125
Cadmium, Total	102	75-125
Chromium, Total	100	75-125
Copper, Total	96	75-125
Lead, Total	100	75-125
Nickel, Total	94	75-125
Selenium, Total	106	75-125
Silver, Total	98	75-125
Thallium, Total	99	75-125
Zinc, Total	100	75-125
Total Metals SPIKE for sample(s) 01-08 (L0608842-01, WG244191-2)		
Antimony, Total	86	70-140
Arsenic, Total	89	70-140
Beryllium, Total	100	70-140
Cadmium, Total	76	70-140
Chromium, Total	86	70-140
Copper, Total	103	70-140
Lead, Total	114	70-140
Nickel, Total	86	70-140
Selenium, Total	93	70-140
Silver, Total	93	70-140
Thallium, Total	88	70-140
Zinc, Total	94	70-140
Total Metals SPIKE for sample(s) 09-12,14 (L0608842-12, WG244187-2)		
Mercury, Total	128	70-130
Total Metals SPIKE for sample(s) 01-08 (L0608830-01, WG244360-2)		
Mercury, Total	117	70-130
Dissolved Metals SPIKE for sample(s) 09-12,14 (L0608842-09, WG244136-2)		
Antimony, Dissolved	100	75-125
Arsenic, Dissolved	100	75-125
Beryllium, Dissolved	95	75-125
Cadmium, Dissolved	96	75-125
Chromium, Dissolved	95	75-125
Copper, Dissolved	96	75-125
Lead, Dissolved	97	75-125
Nickel, Dissolved	91	75-125
Selenium, Dissolved	102	75-125

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES**

Laboratory Job Number: L0608842

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals SPIKE for sample(s) 09-12,14 (L0608842-09, WG244136-2)		
Silver, Dissolved	95	75-125
Thallium, Dissolved	93	75-125
Zinc, Dissolved	92	75-125
Dissolved Metals SPIKE for sample(s) 09-12,14 (L0608842-12, WG244186-2)		
Mercury, Dissolved	108	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0608842

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by GC/MS 8260 for sample(s) 09-14 (L0608800-03, WG244278-2)					
Chlorobenzene	113	107	5	20	75-130
Benzene	104	101	3	20	76-127
Toluene	113	108	5	20	76-125
1,1-Dichloroethene	88	88	0	20	61-145
Trichloroethene	99	97	2	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	89	89	0		70-130
Toluene-d8	83	81	2		70-130
4-Bromofluorobenzene	79	84	6		70-130
Dibromofluoromethane	81	81	0		70-130
Volatile Organics by GC/MS 8260 for sample(s) 01-08 (L0608842-01, WG244803-2)					
Chlorobenzene	70	67	4	30	60-133
Benzene	82	80	2	30	66-142
Toluene	72	70	3	30	59-139
1,1-Dichloroethene	68	66	3	30	59-172
Trichloroethene	71	68	4	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	92	89	3		70-130
Toluene-d8	93	92	1		70-130
4-Bromofluorobenzene	98	96	2		70-130
Dibromofluoromethane	92	92	0		70-130
SVOC's by GC/MS 8270 for sample(s) 01,03-08 (L0608842-01, WG244098-4)					
Acenaphthene	100	110	10	50	31-137
1,2,4-Trichlorobenzene	98	97	1	50	38-107
2-Chloronaphthalene	100	100	0	50	40-140
1,2-Dichlorobenzene	92	91	1	50	40-140
1,4-Dichlorobenzene	88	88	0	50	28-104
2,4-Dinitrotoluene	100	85	16	50	28-89
2,6-Dinitrotoluene	110	99	11	50	40-140
Fluoranthene	77	110	35	50	40-140
4-Chlorophenyl phenyl ether	110	100	10	50	40-140
n-Nitrosodi-n-propylamine	83	85	2	50	41-126
Butyl benzyl phthalate	120	110	9	50	40-140
Anthracene	110	120	9	50	40-140
Pyrene	75	100	29	50	35-142
Hexachloropropene	47	31	41	50	40-140
P-Chloro-M-Cresol	100	100	0	50	26-103
2-Chlorophenol	89	83	7	50	25-102
2-Nitrophenol	83	77	8	50	30-130
4-Nitrophenol	100	100	0	50	11-114
2,4-Dinitrophenol	27	18	40	50	30-130
Pentachlorophenol	36	55	42	50	17-109
Phenol	89	83	7	50	26-90

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0608842

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 01,03-08 (L0608842-01, WG244098-4)					
Surrogate(s)					
2-Fluorophenol	86	86	0		25-120
Phenol-d6	111	113	2		10-120
Nitrobenzene-d5	94	96	2		23-120
2-Fluorobiphenyl	95	97	2		30-120
2,4,6-Tribromophenol	97	98	1		19-120
4-Terphenyl-d14	105	99	6		18-120
SVOC's by GC/MS 8270 for sample(s) 09-12,14 (L0608842-09, WG244291-4)					
Acenaphthene	85	76	11	30	46-118
1,2,4-Trichlorobenzene	76	67	13	30	39-98
2-Chloronaphthalene	85	76	11	30	40-140
1,2-Dichlorobenzene	62	62	0	30	40-140
1,4-Dichlorobenzene	62	58	7	30	36-97
2,4-Dinitrotoluene	100	93	7	30	24-96
2,6-Dinitrotoluene	110	100	10	30	40-140
Fluoranthene	93	89	4	30	40-140
4-Chlorophenyl phenyl ether	89	85	5	30	40-140
n-Nitrosodi-n-propylamine	62	53	16	30	41-116
Butyl benzyl phthalate	110	110	0	30	40-140
Anthracene	80	76	5	30	40-140
Pyrene	89	85	5	30	26-127
Hexachloropropene	80	71	12	30	40-140
P-Chloro-M-Cresol	87	85	2	30	23-97
2-Chlorophenol	62	58	7	30	27-123
2-Nitrophenol	69	65	6	30	30-130
4-Nitrophenol	82	76	8	30	10-80
2,4-Dinitrophenol	93	91	2	30	30-130
Pentachlorophenol	100	93	7	30	9-103
Phenol	47	42	11	30	12-110
Surrogate(s)					
2-Fluorophenol	55	52	6		21-120
Phenol-d6	61	56	9		10-120
Nitrobenzene-d5	75	69	8		23-120
2-Fluorobiphenyl	82	73	12		43-120
2,4,6-Tribromophenol	92	84	9		10-120
4-Terphenyl-d14	96	88	9		33-120
SVOC's by GC/MS 8270 for sample(s) 02 (L0608842-02, WG244731-4)					
Acenaphthene	85	85	0	50	31-137
1,2,4-Trichlorobenzene	81	83	2	50	38-107
2-Chloronaphthalene	88	90	2	50	40-140
1,2-Dichlorobenzene	81	81	0	50	40-140
1,4-Dichlorobenzene	76	77	1	50	28-104
2,4-Dinitrotoluene	88	88	0	50	28-89

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0608842

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 02 (L0608842-02, WG244731-4)					
2,6-Dinitrotoluene	92	93	1	50	40-140
Fluoranthene	100	120	18	50	40-140
4-Chlorophenyl phenyl ether	88	85	3	50	40-140
n-Nitrosodi-n-propylamine	67	68	1	50	41-126
Butyl benzyl phthalate	99	98	1	50	40-140
Anthracene	92	93	1	50	40-140
Pyrene	95	110	15	50	35-142
Hexachloropropene	59	52	13	50	40-140
P-Chloro-M-Cresol	84	84	0	50	26-103
2-Chlorophenol	77	77	0	50	25-102
2-Nitrophenol	77	77	0	50	30-130
4-Nitrophenol	110	97	13	50	11-114
2,4-Dinitrophenol	32	24	29	50	30-130
Pentachlorophenol	59	71	18	50	17-109
Phenol	77	71	8	50	26-90
Surrogate(s)					
2-Fluorophenol	79	79	0		25-120
Phenol-d6	94	98	4		10-120
Nitrobenzene-d5	93	93	0		23-120
2-Fluorobiphenyl	96	98	2		30-120
2,4,6-Tribromophenol	87	93	7		19-120
4-Terphenyl-d14	101	103	2		18-120
PAH by GC/MS SIM 8270M for sample(s) 09-12,14 (L0608842-09, WG244290-4)					
Acenaphthene	85	80	6	40	46-118
2-Chloronaphthalene	80	71	12	40	
Fluoranthene	93	93	0	40	
Anthracene	85	85	0	40	
Pyrene	85	80	6	40	26-127
Pentachlorophenol	91	82	10	40	9-103
Surrogate(s)					
2-Fluorophenol	71	66	7		21-120
Phenol-d6	82	74	10		10-120
Nitrobenzene-d5	101	92	9		23-120
2-Fluorobiphenyl	86	79	8		43-120
2,4,6-Tribromophenol	66	63	5		10-120
4-Terphenyl-d14	108	104	4		33-120
PAH by GC/MS SIM 8270M for sample(s) 02 (L0608842-02, WG244732-4)					
Acenaphthene	95	93	2	50	40-140
2-Chloronaphthalene	86	84	2	50	40-140
Fluoranthene	100	110	10	50	40-140
Anthracene	86	86	0	50	40-140
Pyrene	94	100	6	50	40-140
Pentachlorophenol	21	25	17	50	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0608842

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
PAH by GC/MS SIM 8270M for sample(s) 02 (L0608842-02, WG244732-4)					
Surrogate(s)					
2-Fluorophenol	91	87	4		25-120
Phenol-d6	119	115	3		10-120
Nitrobenzene-d5	105	99	6		23-120
2-Fluorobiphenyl	90	87	3		30-120
2,4,6-Tribromophenol	67	67	0		19-120
4-Terphenyl-d14	98	96	2		18-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 09-12,14 (WG244139-3)								
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	0623 19:00	0626 13:00	CF
Arsenic, Total	ND	mg/l	0.005	1	6010B	0623 19:00	0626 13:00	CF
Beryllium, Total	ND	mg/l	0.005	1	6010B	0623 19:00	0626 13:00	CF
Cadmium, Total	ND	mg/l	0.005	1	6010B	0623 19:00	0626 13:00	CF
Chromium, Total	ND	mg/l	0.01	1	6010B	0623 19:00	0626 13:00	CF
Copper, Total	ND	mg/l	0.01	1	6010B	0623 19:00	0626 13:00	CF
Lead, Total	ND	mg/l	0.010	1	6010B	0623 19:00	0626 13:00	CF
Nickel, Total	ND	mg/l	0.025	1	6010B	0623 19:00	0626 13:00	CF
Selenium, Total	ND	mg/l	0.010	1	6010B	0623 19:00	0626 13:00	CF
Silver, Total	ND	mg/l	0.007	1	6010B	0623 19:00	0626 13:00	CF
Thallium, Total	ND	mg/l	0.010	1	6010B	0623 19:00	0626 13:00	CF
Zinc, Total	ND	mg/l	0.05	1	6010B	0623 19:00	0626 13:00	CF
Blank Analysis for sample(s) 01-08 (WG244191-3)								
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	0623 12:30	0624 21:31	MG
Arsenic, Total	ND	mg/kg	0.40	1	6010B	0623 12:30	0624 21:31	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B	0623 12:30	0624 21:31	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0623 12:30	0624 21:31	MG
Chromium, Total	ND	mg/kg	0.40	1	6010B	0623 12:30	0624 21:31	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	0623 12:30	0624 21:31	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	0623 12:30	0624 21:31	MG
Nickel, Total	ND	mg/kg	1.0	1	6010B	0623 12:30	0624 21:31	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	0623 12:30	0624 21:31	MG
Silver, Total	ND	mg/kg	0.40	1	6010B	0623 12:30	0624 21:31	MG
Thallium, Total	ND	mg/kg	0.40	1	6010B	0623 12:30	0624 21:31	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B	0623 12:30	0624 21:31	MG
Blank Analysis for sample(s) 09-12,14 (WG244187-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0002	1	7470A	0623 20:30	0626 15:11	HG
Blank Analysis for sample(s) 01-08 (WG244360-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0626 21:00	0627 18:46	HG
Blank Analysis for sample(s) 09-12,14 (WG244136-3)								
Dissolved Metals								
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0623 19:00	0626 20:30	CF
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 20:30	CF
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0623 19:00	0626 20:30	CF

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 09-12,14 (WG244136-3)						
Dissolved Metals						
Cadmium, Dissolved	ND	mg/l	0.005	1 6010B	0623 19:00 0626 20:30	CF
Chromium, Dissolved	ND	mg/l	0.01	1 6010B	0623 19:00 0626 20:30	CF
Copper, Dissolved	ND	mg/l	0.01	1 6010B	0623 19:00 0626 20:30	CF
Lead, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:30	CF
Nickel, Dissolved	ND	mg/l	0.025	1 6010B	0623 19:00 0626 20:30	CF
Selenium, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:30	CF
Silver, Dissolved	ND	mg/l	0.007	1 6010B	0623 19:00 0626 20:30	CF
Thallium, Dissolved	ND	mg/l	0.010	1 6010B	0623 19:00 0626 20:30	CF
Zinc, Dissolved	ND	mg/l	0.05	1 6010B	0623 19:00 0626 20:30	CF
Blank Analysis for sample(s) 09-12,14 (WG244186-4)						
Dissolved Metals						
Mercury, Dissolved	ND	mg/l	0.0002	1 7470A	0623 20:30 0626 14:51	HG
Blank Analysis for sample(s) 09-12,14 (WG244278-4)						
Volatile Organics by GC/MS 8260				1 8260B	0625 16:53	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			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 09-12,14 (WG244278-4)							
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0625 16:53 PD	
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				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	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				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
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				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 09-12,14 (WG244278-4)						
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0625 16:53 PD	
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	93.0	%	70-130			
Toluene-d8	85.0	%	70-130			
4-Bromofluorobenzene	86.0	%	70-130			
Dibromofluoromethane	88.0	%	70-130			
Blank Analysis for sample(s) 12-14 (WG244278-8)						
Volatile Organics by GC/MS 8260				1 8260B	0626 09:40 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			
1,4-Dichlorobutane	ND	ug/l	5.0			
Iodomethane	ND	ug/l	5.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 12-14 (WG244278-8)						
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0626 09:40 PD	
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			
Ethyl methacrylate	ND	ug/l	5.0			
Acrolein	ND	ug/l	12.			
Acrylonitrile	ND	ug/l	5.0			
Bromochloromethane	ND	ug/l	2.5			
Tetrahydrofuran	ND	ug/l	10.			
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			
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5			
Ethyl ether	ND	ug/l	2.5			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100	%	70-130			
Toluene-d8	88.0	%	70-130			
4-Bromofluorobenzene	90.0	%	70-130			
Dibromofluoromethane	89.0	%	70-130			
Blank Analysis for sample(s) 01-02,04,06-08 (WG244803-4)						
Volatile Organics by GC/MS 8260				1 8260B	0626 16:18 PD	
Methylene chloride	ND	ug/kg	25.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02,04,06-08 (WG244803-4)						
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0626 16:18 PD	
1,1-Dichloroethane	ND	ug/kg	3.8			
Chloroform	ND	ug/kg	3.8			
Carbon tetrachloride	ND	ug/kg	2.5			
1,2-Dichloropropane	ND	ug/kg	8.8			
Dibromochloromethane	ND	ug/kg	2.5			
1,1,2-Trichloroethane	ND	ug/kg	3.8			
Tetrachloroethene	ND	ug/kg	2.5			
Chlorobenzene	ND	ug/kg	2.5			
Trichlorofluoromethane	ND	ug/kg	12.			
1,2-Dichloroethane	ND	ug/kg	2.5			
1,1,1-Trichloroethane	ND	ug/kg	2.5			
Bromodichloromethane	ND	ug/kg	2.5			
trans-1,3-Dichloropropene	ND	ug/kg	2.5			
cis-1,3-Dichloropropene	ND	ug/kg	2.5			
1,1-Dichloropropene	ND	ug/kg	12.			
Bromoform	ND	ug/kg	10.			
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5			
Benzene	ND	ug/kg	2.5			
Toluene	ND	ug/kg	3.8			
Ethylbenzene	ND	ug/kg	2.5			
Chloromethane	ND	ug/kg	12.			
Bromomethane	ND	ug/kg	5.0			
Vinyl chloride	ND	ug/kg	5.0			
Chloroethane	ND	ug/kg	5.0			
1,1-Dichloroethene	ND	ug/kg	2.5			
trans-1,2-Dichloroethene	ND	ug/kg	3.8			
Trichloroethene	ND	ug/kg	2.5			
1,2-Dichlorobenzene	ND	ug/kg	12.			
1,3-Dichlorobenzene	ND	ug/kg	12.			
1,4-Dichlorobenzene	ND	ug/kg	12.			
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.			
1,4-Dichlorobutane	ND	ug/kg	25.			
Iodomethane	ND	ug/kg	25.			
1,2,3-Trichloropropane	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.			

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QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02,04,06-08 (WG244803-4)						
Volatile Organics by GC/MS 8260 cont'd						
				1 8260B	0626 16:18 PD	
Ethyl methacrylate	ND	ug/kg	25.			
Acrolein	ND	ug/kg	62.			
Acrylonitrile	ND	ug/kg	25.			
Bromochloromethane	ND	ug/kg	12.			
Tetrahydrofuran	ND	ug/kg	50.			
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.			
trans-1,4-Dichloro-2-butene	ND	ug/kg	12.			
Ethyl ether	ND	ug/kg	12.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	90.0	%	70-130			
Toluene-d8	91.0	%	70-130			
4-Bromofluorobenzene	97.0	%	70-130			
Dibromofluoromethane	90.0	%	70-130			
Blank Analysis for sample(s) 02-05 (WG244803-6)						
Volatile Organics by GC/MS 8260						
				1 8260B	0629 09:06 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.			

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QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-05 (WG244803-6)							
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0629 09:06 PD	
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.				
1,4-Dichlorobutane	ND	ug/kg	25.				
Iodomethane	ND	ug/kg	25.				
1,2,3-Trichloropropane	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.				
Ethyl methacrylate	ND	ug/kg	25.				
Acrolein	ND	ug/kg	62.				
Acrylonitrile	ND	ug/kg	25.				
Bromochloromethane	ND	ug/kg	12.				
Tetrahydrofuran	ND	ug/kg	50.				
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				

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 02-05 (WG244803-6)						
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0629 09:06 PD	
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.			
trans-1,4-Dichloro-2-butene	ND	ug/kg	12.			
Ethyl ether	ND	ug/kg	12.			
Surrogate(s)	Recovery		QC Criteria			
1,2-Dichloroethane-d4	100	%	70-130			
Toluene-d8	99.0	%	70-130			
4-Bromofluorobenzene	103	%	70-130			
Dibromofluoromethane	98.0	%	70-130			
Blank Analysis for sample(s) 01,03-08 (WG244098-1)						
SVOC's by GC/MS 8270				1 8270C	0623 14:45 0626 21:21 RL	
Acenaphthene	ND	ug/kg	330			
Benzidine	ND	ug/kg	3300			
1,2,4-Trichlorobenzene	ND	ug/kg	330			
Hexachlorobenzene	ND	ug/kg	330			
Bis(2-chloroethyl)ether	ND	ug/kg	330			
1-Chloronaphthalene	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			
Azobenzene	ND	ug/kg	330			
Fluoranthene	ND	ug/kg	330			
4-Chlorophenyl phenyl ether	ND	ug/kg	330			
4-Bromophenyl phenyl ether	ND	ug/kg	330			
Bis(2-chloroisopropyl)ether	ND	ug/kg	330			
Bis(2-chloroethoxy)methane	ND	ug/kg	330			

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01,03-08 (WG244098-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0623 14:45	0626 21:21	RL
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				
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				
Benzo(e)pyrene	ND	ug/kg	330				
Biphenyl	ND	ug/kg	330				
Perylene	ND	ug/kg	330				
Aniline	ND	ug/kg	670				
4-Chloroaniline	ND	ug/kg	330				
1-Methylnaphthalene	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				
a,a-Dimethylphenethylamine	ND	ug/kg	3300				
Hexachloropropene	ND	ug/kg	670				
Nitrosodi-n-butylamine	ND	ug/kg	670				
2-Methylnaphthalene	ND	ug/kg	330				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1300				
Pentachlorobenzene	ND	ug/kg	1300				
a-Naphthylamine	ND	ug/kg	1300				
b-Naphthylamine	ND	ug/kg	1300				
Phenacetin	ND	ug/kg	670				

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QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01,03-08 (WG244098-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0623 14:45	0626 21:21	RL
Dimethoate	ND	ug/kg	1300				
4-Aminobiphenyl	ND	ug/kg	670				
Pentachloronitrobenzene	ND	ug/kg	670				
Isodrin	ND	ug/kg	670				
p-Dimethylaminoazobenzene	ND	ug/kg	670				
Chlorobenzilate	ND	ug/kg	1300				
3-Methylcholanthrene	ND	ug/kg	1300				
Ethyl Methanesulfonate	ND	ug/kg	1000				
Acetophenone	ND	ug/kg	1300				
Nitrosodipiperidine	ND	ug/kg	1300				
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	670				
n-Nitrosodimethylamine	ND	ug/kg	3300				
2,4,6-Trichlorophenol	ND	ug/kg	330				
p-Chloro-m-cresol	ND	ug/kg	330				
2-Chlorophenol	ND	ug/kg	400				
2,4-Dichlorophenol	ND	ug/kg	670				
2,4-Dimethylphenol	ND	ug/kg	330				
2-Nitrophenol	ND	ug/kg	1300				
4-Nitrophenol	ND	ug/kg	670				
2,4-Dinitrophenol	ND	ug/kg	1300				
4,6-Dinitro-o-cresol	ND	ug/kg	1300				
Pentachlorophenol	ND	ug/kg	1300				
Phenol	ND	ug/kg	470				
2-Methylphenol	ND	ug/kg	400				
3-Methylphenol/4-Methylphenol	ND	ug/kg	400				
2,4,5-Trichlorophenol	ND	ug/kg	330				
2,6-Dichlorophenol	ND	ug/kg	670				
Benzoic Acid	ND	ug/kg	3300				
Benzyl Alcohol	ND	ug/kg	670				
Carbazole	ND	ug/kg	330				
Pyridine	ND	ug/kg	3300				
2-Picoline	ND	ug/kg	1300				
Pronamide	ND	ug/kg	1300				
Methyl methanesulfonate	ND	ug/kg	1300				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	72.0	%	25-120				
Phenol-d6	93.0	%	10-120				
Nitrobenzene-d5	81.0	%	23-120				
2-Fluorobiphenyl	76.0	%	30-120				
2,4,6-Tribromophenol	76.0	%	19-120				
4-Terphenyl-d14	88.0	%	18-120				
Blank Analysis for sample(s) 09-12,14 (WG244291-1)							
SVOC's by GC/MS 8270				1 8270C	0626 13:15	0628 11:51	RL
Acenaphthene	ND	ug/l	5.0				

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 09-12,14 (WG244291-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0626 13:15	0628 11:51	RL
Benzidine	ND	ug/l	50.				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
Hexachlorobenzene	ND	ug/l	5.0				
Bis(2-chloroethyl)ether	ND	ug/l	5.0				
1-Chloronaphthalene	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				
Azobenzene	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	10.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.				
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				
Benzo(e)pyrene	ND	ug/l	5.0				

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 09-12,14 (WG244291-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0626 13:15	0628 11:51	RL
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	10.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	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				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	20.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	10.				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	10.				
Pentachloronitrobenzene	ND	ug/l	10.				
Isodrin	ND	ug/l	10.				
p-Dimethylaminoazobenzene	ND	ug/l	10.				
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	10.				
n-Nitrosodimethylamine	ND	ug/l	50.				
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	20.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	20.				
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				
2,6-Dichlorophenol	ND	ug/l	10.				
Benzoic Acid	ND	ug/l	50.				

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 09-12,14 (WG244291-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0626 13:15	0628 11:51	RL
Benzyl Alcohol	ND	ug/l	10.				
Carbazole	ND	ug/l	5.0				
Pyridine	ND	ug/l	50.				
2-Picoline	ND	ug/l	20.				
Pronamide	ND	ug/l	20.				
Methyl methanesulfonate	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	39.0	%	21-120				
Phenol-d6	35.0	%	10-120				
Nitrobenzene-d5	72.0	%	23-120				
2-Fluorobiphenyl	67.0	%	43-120				
2,4,6-Tribromophenol	72.0	%	10-120				
4-Terphenyl-d14	89.0	%	33-120				
Blank Analysis for sample(s) 02 (WG244731-1)							
SVOC's by GC/MS 8270				1 8270C	0628 16:15	0629 01:10	RL
Acenaphthene	ND	ug/kg	330				
Benzidine	ND	ug/kg	3300				
1,2,4-Trichlorobenzene	ND	ug/kg	330				
Hexachlorobenzene	ND	ug/kg	330				
Bis(2-chloroethyl)ether	ND	ug/kg	330				
1-Chloronaphthalene	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				
Azobenzene	ND	ug/kg	330				
Fluoranthene	ND	ug/kg	330				
4-Chlorophenyl phenyl ether	ND	ug/kg	330				
4-Bromophenyl phenyl ether	ND	ug/kg	330				
Bis(2-chloroisopropyl)ether	ND	ug/kg	330				
Bis(2-chloroethoxy)methane	ND	ug/kg	330				
Hexachlorobutadiene	ND	ug/kg	670				
Hexachlorocyclopentadiene	ND	ug/kg	670				
Hexachloroethane	ND	ug/kg	330				
Isophorone	ND	ug/kg	330				
Naphthalene	ND	ug/kg	330				
Nitrobenzene	ND	ug/kg	330				
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02 (WG244731-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0628 16:15	0629 01:10	RL
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				
Benzo(e)pyrene	ND	ug/kg	330				
Biphenyl	ND	ug/kg	330				
Perylene	ND	ug/kg	330				
Aniline	ND	ug/kg	670				
4-Chloroaniline	ND	ug/kg	330				
1-Methylnaphthalene	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				
a,a-Dimethylphenethylamine	ND	ug/kg	3300				
Hexachloropropene	ND	ug/kg	670				
Nitrosodi-n-butylamine	ND	ug/kg	670				
2-Methylnaphthalene	ND	ug/kg	330				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1300				
Pentachlorobenzene	ND	ug/kg	1300				
a-Naphthylamine	ND	ug/kg	1300				
b-Naphthylamine	ND	ug/kg	1300				
Phenacetin	ND	ug/kg	670				
Dimethoate	ND	ug/kg	1300				
4-Aminobiphenyl	ND	ug/kg	670				
Pentachloronitrobenzene	ND	ug/kg	670				
Isodrin	ND	ug/kg	670				
p-Dimethylaminoazobenzene	ND	ug/kg	670				
Chlorobenzilate	ND	ug/kg	1300				
3-Methylcholanthrene	ND	ug/kg	1300				
Ethyl Methanesulfonate	ND	ug/kg	1000				
Acetophenone	ND	ug/kg	1300				
Nitrosodipiperidine	ND	ug/kg	1300				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02 (WG244731-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0628 16:15	0629 01:10	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	670				
n-Nitrosodimethylamine	ND	ug/kg	3300				
2,4,6-Trichlorophenol	ND	ug/kg	330				
p-Chloro-m-cresol	ND	ug/kg	330				
2-Chlorophenol	ND	ug/kg	400				
2,4-Dichlorophenol	ND	ug/kg	670				
2,4-Dimethylphenol	ND	ug/kg	330				
2-Nitrophenol	ND	ug/kg	1300				
4-Nitrophenol	ND	ug/kg	670				
2,4-Dinitrophenol	ND	ug/kg	1300				
4,6-Dinitro-o-cresol	ND	ug/kg	1300				
Pentachlorophenol	ND	ug/kg	1300				
Phenol	ND	ug/kg	470				
2-Methylphenol	ND	ug/kg	400				
3-Methylphenol/4-Methylphenol	ND	ug/kg	400				
2,4,5-Trichlorophenol	ND	ug/kg	330				
2,6-Dichlorophenol	ND	ug/kg	670				
Benzoic Acid	ND	ug/kg	3300				
Benzyl Alcohol	ND	ug/kg	670				
Carbazole	ND	ug/kg	330				
Pyridine	ND	ug/kg	3300				
2-Picoline	ND	ug/kg	1300				
Pronamide	ND	ug/kg	1300				
Methyl methanesulfonate	ND	ug/kg	1300				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	78.0	%	25-120				
Phenol-d6	97.0	%	10-120				
Nitrobenzene-d5	86.0	%	23-120				
2-Fluorobiphenyl	88.0	%	30-120				
2,4,6-Tribromophenol	83.0	%	19-120				
4-Terphenyl-d14	91.0	%	18-120				
Blank Analysis for sample(s) 01,03-08 (WG244101-1)							
PAH by GC/MS SIM 8270M				1 8270C-M	0623 14:45	0627 23:35	RL
Acenaphthene	ND	ug/kg	13.				
2-Chloronaphthalene	ND	ug/kg	13.				
Fluoranthene	ND	ug/kg	13.				
Hexachlorobutadiene	ND	ug/kg	33.				
Naphthalene	ND	ug/kg	13.				
Benzo(a)anthracene	ND	ug/kg	13.				
Benzo(a)pyrene	ND	ug/kg	13.				
Benzo(b)fluoranthene	ND	ug/kg	13.				
Benzo(k)fluoranthene	ND	ug/kg	13.				
Chrysene	ND	ug/kg	13.				
Acenaphthylene	ND	ug/kg	13.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01,03-08 (WG244101-1)							
PAH by GC/MS SIM 8270M cont'd				1 8270C-M	0623 14:45	0627 23:35	RL
Anthracene	ND	ug/kg	13.				
Benzo(ghi)perylene	ND	ug/kg	13.				
Fluorene	ND	ug/kg	13.				
Phenanthrene	ND	ug/kg	13.				
Dibenzo(a,h)anthracene	ND	ug/kg	13.				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	13.				
Pyrene	ND	ug/kg	13.				
1-Methylnaphthalene	ND	ug/kg	13.				
2-Methylnaphthalene	ND	ug/kg	13.				
Pentachlorophenol	ND	ug/kg	53.				
Hexachlorobenzene	ND	ug/kg	53.				
Perylene	ND	ug/kg	13.				
Biphenyl	ND	ug/kg	13.				
2,6-Dimethylnaphthalene	ND	ug/kg	13.				
1-Methylphenanthrene	ND	ug/kg	13.				
Benzo(e)Pyrene	ND	ug/kg	13.				
Hexachloroethane	ND	ug/kg	53.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	89.0	%	25-120				
Phenol-d6	118	%	10-120				
Nitrobenzene-d5	104	%	23-120				
2-Fluorobiphenyl	90.0	%	30-120				
2,4,6-Tribromophenol	75.0	%	19-120				
4-Terphenyl-d14	127	%	18-120				
Blank Analysis for sample(s) 09-12,14 (WG244290-1)							
PAH by GC/MS SIM 8270M				1 8270C-M	0626 13:15	0628 23:49	RL
Acenaphthene	ND	ug/l	0.20				
2-Chloronaphthalene	ND	ug/l	0.20				
Fluoranthene	ND	ug/l	0.20				
Hexachlorobutadiene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	ND	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 09-12,14 (WG244290-1)							
PAH by GC/MS SIM 8270M cont'd				1 8270C-M	0626 13:15	0628 23:49	RL
1-Methylnaphthalene	ND	ug/l	0.20				
2-Methylnaphthalene	ND	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.80				
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	ND	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	44.0	%	21-120				
Phenol-d6	39.0	%	10-120				
Nitrobenzene-d5	85.0	%	23-120				
2-Fluorobiphenyl	70.0	%	43-120				
2,4,6-Tribromophenol	65.0	%	10-120				
4-Terphenyl-d14	119	%	33-120				
Blank Analysis for sample(s) 02 (WG244732-1)							
PAH by GC/MS SIM 8270M				1 8270C-M	0628 16:15	0629 09:48	RL
Acenaphthene	ND	ug/kg	13.				
2-Chloronaphthalene	ND	ug/kg	13.				
Fluoranthene	ND	ug/kg	13.				
Hexachlorobutadiene	ND	ug/kg	33.				
Naphthalene	ND	ug/kg	13.				
Benzo(a)anthracene	ND	ug/kg	13.				
Benzo(a)pyrene	ND	ug/kg	13.				
Benzo(b)fluoranthene	ND	ug/kg	13.				
Benzo(k)fluoranthene	ND	ug/kg	13.				
Chrysene	ND	ug/kg	13.				
Acenaphthylene	ND	ug/kg	13.				
Anthracene	ND	ug/kg	13.				
Benzo(ghi)perylene	ND	ug/kg	13.				
Fluorene	ND	ug/kg	13.				
Phenanthrene	ND	ug/kg	13.				
Dibenzo(a,h)anthracene	ND	ug/kg	13.				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	13.				
Pyrene	ND	ug/kg	13.				
1-Methylnaphthalene	ND	ug/kg	13.				
2-Methylnaphthalene	ND	ug/kg	13.				
Pentachlorophenol	ND	ug/kg	53.				
Hexachlorobenzene	ND	ug/kg	53.				
Perylene	ND	ug/kg	13.				
Biphenyl	ND	ug/kg	13.				
2,6-Dimethylnaphthalene	ND	ug/kg	13.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0608842

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ANAL	ID
Blank Analysis for sample(s) 02 (WG244732-1)							
PAH by GC/MS SIM 8270M cont'd				1 8270C-M	0628 16:15	0629 09:48	RL
1-Methylphenanthrene	ND	ug/kg	13.				
Benzo(e)Pyrene	ND	ug/kg	13.				
Hexachloroethane	ND	ug/kg	53.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	73.0	%	25-120				
Phenol-d6	80.0	%	10-120				
Nitrobenzene-d5	70.0	%	23-120				
2-Fluorobiphenyl	56.0	%	30-120				
2,4,6-Tribromophenol	62.0	%	19-120				
4-Terphenyl-d14	57.0	%	18-120				

**ALPHA ANALYTICAL LABORATORIES
ADDENDUM I**

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.

ALPHA

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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA Job #: 60608842

Client Information

Client: **AKR F, Inc.**
Address: **440 Park Ave South**
NY, NY 10016
Phone: **(646) 388-9529**
Fax:

Project Information

Project Name: **1346 Bondell Ave.**
Project Location: **BMX**
Project #: **10735**
Project Manager: **Axel Schwandt**
ALPHA Quote #:

Turn-Around Time

Standard ☒ RUSH (only confirmed if pre-approved)
Date Due: **6/29/06** Time:
These samples have been previously analyzed by Alpha
Other Project Specific Requirements/Comments/Detection Limits:

TAGM detection limits + cross GAGW - NYS DEC

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: **NYS DEC** Criteria: **TAGM 4046 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?

ANALYSIS

VOCs - 8360
SVOCs - 8270
P.P. Metals
P.P. Metals - Dissolved

SAMPLE HANDLING

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

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials
60608842-01	S-1 (1-3')	6/21/06	8:50	Soil	JL
02	S-2 (2-4')		11:30		
03	S-3 (4-6')		8:20		
04	S-4 (2-4')		9:10		
05	S-5 (5-7')		9:40		
06	S-6 (1-3')		11:00		
07	S-7 (6-8')		10:45		
08	S-8 (4-6')		10:00		
09	S-3		8:30	water	
10	S-6		11:15		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Container Type: **Preservative**

Relinquished By: **[Signature]** Date/Time: **6/23/06 14:00**
Received By: **[Signature]** Date/Time: **6/23/06 14:00**

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 2 OF 2

ALPHA Job #: L060842

Date Rec'd In Lab: 6/22/06

ALPHA

RAYNHAM, MA
WESTBORO, MA
TEL: 508-898-9200
FAX: 508-898-9193

Client Information

Client: AREF
Address: 440 Park Ave. 2nd Fl.
NY, NY 10016
Phone: (646) 388-9529
Fax:

Project Information

Project Name: 1346 Blundell Ave.
Project Location: Bronx, NY
Project #: 10735
Project Manager: Axel Schmitt
ALPHA Quote #:

Turn-Around Time

Standard ☒ RUSH (only confirmed if pre-approved)
Date Due: 6/29/06
Time:
Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☐ FAX
☒ EMAIL
☐ ADEX
☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program Criteria

NY DEC TAGM 4046 CTRCA
MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

ANALYSIS	YES	NO	ARE MCP ANALYTICAL METHODS REQUIRED?	ARE CT RCP (REASONABLE CONFIDENCE PROTOCOLS) REQUIRED?
VOCs - 8260	✓	✓		
SVOCs - 8270	✓	✓		
P.P. Metals - 1744	✓	✓		
P.P. Metals - 1735	✓	✓		

Time:

Date Due: 6/29/06

Email: axel-schmitt@aref.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials
L060842-11 S-8		6/21/06	10:10	water	JL
-12 S-2		6/21/06	11:45		↓
-13 Tap Blank					
-14 S-4		6/21/06	9:20		↓

Sample Handling

Filtration
☐ Done
☐ Not needed
☒ Lab to do
☒ Preservation
☒ Lab to do

(Please specify below)

TOTAL # BOTTLES

6
6
2
6

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

6/22/06 14:00

Received By:

Date/Time

6/22/06 14:00

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.

Appendix B

Photographs



Appendix C

Soil Boring Logs



Hydro Tech Environmental, Corp.

Main Office

77 Arkay Drive, Suite G

Hauppauge, NY 11788

T (631) 462-5866 · F (631) 462-5877

www.hydrotechenvironmental.com

NYC Office

15 Ocean Avenue, 2nd Floor

Brooklyn, New York 11225

T (718) 636-0800 · F (718) 636-0900

Soil Probe Log

Job No: 150311 Date: 12/17/2015 Page: 1 of 1
Location: 1346 Blondell Avenue Sampling Interval: 2 ft
Bronx, NY Sampling Method: Grab
Boring No.: SP-1 Driller: HTE
Drilling Method: Direct Push Depth to Water: N/A
Total Depth: 12 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel SW - Well Graded Sand ML - Inorganic Silt / Sandy Silt CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel SP - Poorly Graded Sand CL - Inorganic Clays/Sandy Clay OH - Organic Silt / Clay
GM - Silty Gravel SM - Silty Sand OL - Inorganic Silts/Organic Silty Clay PT - Peat/High Organics
GC - Clayey Gravel SC - Clayey Sand MH - Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete, bricks, quartz and coarse brown sand. No odor.
-2	0.0	SP	Asphalt and coarse brown sand. No odor.
-4	0.0	SP	Coarse brown sand with gravels. No odor.
-6	0.0	SP	Moist coarse brown sand with gravels. No odor.
-8	0.0	SP	Wet coarse to fine brown sand with pebbles. No odor.
-10	0.0	SP	Wet coarse to fine brown sand with pebbles. No odor.
-12			



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www.hydrotechenvironmental.com

NYC Office

15 Ocean Avenue, 2nd Floor

Brooklyn, New York 11225

T (718) 636-0800 · F (718) 636-0900

Soil Probe Log

Job No: 150311 Date: 12/17/2015 Page: 1 of 1
Location: 1346 Blondell Avenue Sampling Interval: 2 ft
Bronx, NY Sampling Method: Grab
Boring No.: SP-2 Driller: HTE
Drilling Method: Direct Push Depth to Water: N/A
Total Depth: 12 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel SW - Well Graded Sand ML - Inorganic Silt / Sandy Silt CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel SP - Poorly Graded Sand CL - Inorganic Clays/Sandy Clay OH - Organic Silt / Clay
GM - Silty Gravel SM - Silty Sand OL - Inorganic Silts/Organic Silty Clay PT - Peat/High Organics
GC - Clayey Gravel SC - Clayey Sand MH - Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete, asphalt, coal ash. No odor.
-2	0.0	SP	Concrete and fine greenish silt with pebbles. No odor.
-4	0.0	SP	Moist brown and black silt. Light petroleum odor.
-6	0.0	SP	Moist black silt. Light petroleum odor.
-8	0.0	SP	Moist dark brown sand. Petroleum odor.
-10	0.0	SP	Wet fine brown silt. No odor.
-12			



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Brooklyn, New York 11225

T (718) 636-0800 · F (718) 636-0900

Soil Probe Log

Job No: 150311 Date: 12/17/2015 Page: 1 of 1
Location: 1346 Blondell Avenue Sampling Interval: 2 ft
Bronx, NY Sampling Method: Grab
Boring No.: SP-3 Driller: HTE
Drilling Method: Direct Push Depth to Water: N/A
Total Depth: 8 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel SW - Well Graded Sand ML - Inorganic Silt / Sandy Silt CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel SP - Poorly Graded Sand CL - Inorganic Clays/Sandy Clay OH - Organic Silt / Clay
GM - Silty Gravel SM - Silty Sand OL - Inorganic Silts/Organic Silty Clay PT - Peat/High Organics
GC - Clayey Gravel SC - Clayey Sand MH - Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------------	----------------------	------	------------------

0	0.0	SP	Concrete, asphalt, bricks and coarse dark brown sand.
-2	0.0	SP	Coarse light brown sand with asphalt and quartz. No odor.
-4	0.0	SP	Coarse light brown sand with rocks. No odor.
-6	0.0	SP	Coarse light brown sand with rocks. No odor.
-8			



Hydro Tech Environmental, Corp.

Main Office

77 Arkay Drive, Suite G

Hauppauge, NY 11788

T (631) 462-5866 · F (631) 462-5877

www.hydrotechenvironmental.com

NYC Office

15 Ocean Avenue, 2nd Floor

Brooklyn, New York 11225

T (718) 636-0800 · F (718) 636-0900

Soil Probe Log

Job No: 150311 Date: 12/17/2015 Page: 1 of 1
Location: 1346 Blondell Avenue Sampling Interval: 2 ft
Bronx, NY Sampling Method: Grab
Boring No.: SP-4 Driller: HTE
Drilling Method: Direct Push Depth to Water: N/A
Total Depth: 12 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel SW - Well Graded Sand ML - Inorganic Silt / Sandy Silt CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel SP - Poorly Graded Sand CL - Inorganic Clays/Sandy Clay OH - Organic Silt / Clay
GM - Silty Gravel SM - Silty Sand OL - Inorganic Silts/Organic Silty Clay PT - Peat/High Organics
GC - Clayey Gravel SC - Clayey Sand MH - Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete, asphalt, bricks and coarse brown sand. No odor.
-2	0.0	SP	Slightly moist coarse to fine dark brown sand with rocks and pebbles. Petroleum odor.
-4	0.0	SP	Moist coarse to fine dark brown sand with rocks and pebbles. Petroleum odor.
-6	0.0	SP	Fine light brown sand. Light petroleum odor. Wet.
-8	0.0	SP	Fine dark brown sand and coarse light brown sand with rocks. No odor. Wet.
-10	0.0	SP	Fine dark brown sand and coarse light brown sand with rocks. No odor. Wet.
-12			



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Soil Probe Log

Job No: 150311 Date: 12/17/2015 Page: 1 of 1
Location: 1346 Blondell Avenue Sampling Interval: 2 ft
Bronx, NY Sampling Method: Grab
Boring No.: SP-5 Driller: HTE
Drilling Method: Direct Push Depth to Water: N/A
Total Depth: 8 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel SW - Well Graded Sand ML - Inorganic Silt / Sandy Silt CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel SP - Poorly Graded Sand CL - Inorganic Clays/Sandy Clay OH - Organic Silt / Clay
GM - Silty Gravel SM - Silty Sand OL - Inorganic Silts/Organic Silty Clay PT - Peat/High Organics
GC - Clayey Gravel SC - Clayey Sand MH - Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete, asphalt and coarse dark brown sand with rocks. No odor.
-2	0.0	SP	Asphalt, light and dark brown sand with quartz and rocks. No odor.
-4	0.0	SP	Bricks and coarse medium brown sand with rocks. No odor.
-6	0.0	SP	Coarse dark brown sand with rocks. No odor.
-8			



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NYC Office

15 Ocean Avenue, 2nd Floor

Brooklyn, New York 11225

T (718) 636-0800 · F (718) 636-0900

Soil Probe Log

Job No:	150311	Date:	12/17/2015	Page:	1 of 1
Location:	1346 Blondell Avenue	Sampling Interval:	2 ft	Sampling Method:	Grab
	Bronx, NY	Driller:	HTE	Depth to Water:	N/A
Boring No.:	SP-6				
Drilling Method:	Direct Push				
Total Depth:	12 ft bgs				

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH- Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------------	----------------------	------	------------------

0	0.0	SP	Concrete, asphalt, bricks and coarse dark brown sand. No odor.
-2	0.0	SP	Bricks, asphalt and coarse brown sand. No odor.
-4	0.0	SP	Coarse brown sand with asphalt and rocks. No odor.
-6	0.0	SP	Slightly moist coarse brown sand with rocks. No odor.
-8	0.0	SP	Moist coarse to fine brown sand with rocks. No odor.
-10	0.0	SP	Wet coarse to fine brown sand with rocks. No odor.
-12			

Appendix D

Lab Results



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: SOIL
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

12/17/15
12/17/15

Time

10:45
19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41220

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: SP-1 4-6 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	19900	54	mg/Kg	10	12/18/15	LK	SW6010C
Antimony	< 3.6	3.6	mg/Kg	1	12/18/15	LK	SW6010C
Arsenic	1.6	0.7	mg/Kg	1	12/18/15	LK	SW6010C
Barium	152	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Beryllium	0.53	0.29	mg/Kg	1	12/18/15	LK	SW6010C
Calcium	1360	5.4	mg/Kg	1	12/18/15	LK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Chromium	42.9	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Cobalt	16.4	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Copper	40.5	0.36	mg/kg	1	12/18/15	LK	SW6010C
Iron	29300	54	mg/Kg	10	12/18/15	LK	SW6010C
Lead	3.96	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Magnesium	6170	54	mg/Kg	10	12/18/15	LK	SW6010C
Manganese	503	3.6	mg/Kg	10	12/18/15	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	12/21/15	RS	SW7471B
Nickel	28.6	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Potassium	5650	54	mg/Kg	10	12/18/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	12/18/15	LK	SW6010C
Silver	< 0.36	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Sodium	238	5.4	mg/Kg	1	12/18/15	LK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	1	12/18/15	LK	SW6010C
Vanadium	47.8	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Zinc	46.8	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Percent Solid	83		%		12/17/15	W	SW846-%Solid
Soil Extraction for SVOA	Completed				12/17/15	CJ/CKV	SW3545A
Mercury Digestion	Completed				12/21/15	W/W	SW7471B
Total Metals Digest	Completed				12/17/15	G/AG	SW3050B
Field Extraction	Completed				12/17/15		SW5035A

Client ID: SP-1 4-6 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,1-Dichloroethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,1-Dichloroethene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,1-Dichloropropene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2-Dibromoethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2-Dichloroethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,2-Dichloropropane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,3-Dichloropropane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
2,2-Dichloropropane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
2-Chlorotoluene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
2-Hexanone	ND	0.025	mg/Kg	1	12/22/15	JLI	SW8260C
2-Isopropyltoluene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
4-Chlorotoluene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	12/22/15	JLI	SW8260C
Acetone	ND	0.025	mg/Kg	1	12/22/15	JLI	SW8260C
Acrylonitrile	ND	0.01	mg/Kg	1	12/22/15	JLI	SW8260C
Benzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Bromobenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Bromochloromethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Bromodichloromethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Bromoform	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Bromomethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Carbon Disulfide	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Carbon tetrachloride	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Chlorobenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Chloroethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Chloroform	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Chloromethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Dibromochloromethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Dibromomethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Dichlorodifluoromethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Ethylbenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Hexachlorobutadiene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Isopropylbenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C

1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.025	mg/Kg	1	12/22/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	12/22/15	JLI	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	12/22/15	JLI	SW8260C
Naphthalene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
n-Butylbenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
n-Propylbenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
o-Xylene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
p-Isopropyltoluene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
sec-Butylbenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Styrene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
tert-Butylbenzene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Tetrachloroethene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	12/22/15	JLI	SW8260C
Toluene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Total Xylenes	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	12/22/15	JLI	SW8260C
Trichloroethene	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Trichlorofluoromethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
Vinyl chloride	ND	0.005	mg/Kg	1	12/22/15	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96		%	1	12/22/15	JLI	70 - 130 %
% Bromofluorobenzene	91		%	1	12/22/15	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	12/22/15	JLI	70 - 130 %
% Toluene-d8	91		%	1	12/22/15	JLI	70 - 130 %
<u>Semivolatiles</u>							
1,2-Dichlorobenzene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
2-Chloronaphthalene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
2-Methylnaphthalene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
2-Nitroaniline	ND	1.1	mg/Kg	1	12/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	1.6	mg/Kg	1	12/18/15	DD	SW8270D
3-Nitroaniline	ND	1.1	mg/Kg	1	12/18/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
4-Chloroaniline	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
4-Nitroaniline	ND	1.1	mg/Kg	1	12/18/15	DD	SW8270D
Acenaphthene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Acenaphthylene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Anthracene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Benz(a)anthracene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Benidine	ND	0.39	mg/Kg	1	12/18/15	DD	SW8270D

1

Client ID: SP-1 4-6 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(a)pyrene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Benzoic acid	ND	0.79	mg/Kg	1	12/18/15	DD	SW8270D
Benzyl alcohol	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Chrysene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Dibenzofuran	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Diethyl phthalate	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Dimethylphthalate	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Di-n-butylphthalate	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Di-n-octylphthalate	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Fluoranthene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Fluorene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Hexachlorobenzene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Hexachlorobutadiene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Hexachloroethane	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Isophorone	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Naphthalene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Nitrobenzene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Phenanthrene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
Pyrene	ND	0.28	mg/Kg	1	12/18/15	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	60		%	1	12/18/15	DD	30 - 130 %
% Nitrobenzene-d5	55		%	1	12/18/15	DD	30 - 130 %
% Terphenyl-d14	67		%	1	12/18/15	DD	30 - 130 %

1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

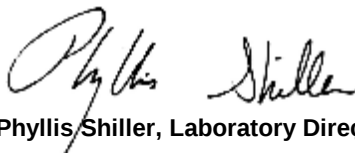
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 22, 2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: SOIL
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

12/17/15
12/17/15

Time

10:45
19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41221

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: SP-2 8-10 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	25100	660	mg/Kg	100	12/21/15	LK	SW6010C
Antimony	< 4.4	4.4	mg/Kg	1	12/18/15	LK	SW6010C
Arsenic	1.7	0.9	mg/Kg	1	12/18/15	LK	SW6010C
Barium	166	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Beryllium	0.55	0.35	mg/Kg	1	12/18/15	LK	SW6010C
Calcium	1530	6.6	mg/Kg	1	12/18/15	LK	SW6010C
Cadmium	< 0.44	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Chromium	52.2	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Cobalt	16.6	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Copper	48.8	0.44	mg/kg	1	12/18/15	LK	SW6010C
Iron	30900	66	mg/Kg	10	12/18/15	LK	SW6010C
Lead	6.23	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Magnesium	8840	66	mg/Kg	10	12/18/15	LK	SW6010C
Manganese	294	4.4	mg/Kg	10	12/18/15	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	12/21/15	RS	SW7471B
Nickel	33.4	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Potassium	6060	66	mg/Kg	10	12/18/15	LK	SW6010C
Selenium	< 1.8	1.8	mg/Kg	1	12/18/15	LK	SW6010C
Silver	< 0.44	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Sodium	320	6.6	mg/Kg	1	12/18/15	LK	SW6010C
Thallium	< 4.0	4.0	mg/Kg	1	12/18/15	LK	SW6010C
Vanadium	55.3	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Zinc	84.5	0.44	mg/Kg	1	12/18/15	LK	SW6010C
Percent Solid	79		%		12/17/15	W	SW846-%Solid
Soil Extraction for SVOA	Completed				12/17/15	CJ/CKV	SW3545A
Mercury Digestion	Completed				12/21/15	W/W	SW7471B
Total Metals Digest	Completed				12/17/15	G/AG	SW3050B
Field Extraction	Completed				12/17/15		SW5035A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,1-Dichloroethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,1-Dichloroethene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,1-Dichloropropene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2,3-Trichlorobenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2,3-Trichloropropane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2,4-Trichlorobenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2,4-Trimethylbenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dibromoethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dichlorobenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dichloroethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dichloropropane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,3,5-Trimethylbenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,3-Dichlorobenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,3-Dichloropropane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
1,4-Dichlorobenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
2,2-Dichloropropane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
2-Chlorotoluene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
2-Hexanone	ND	3.9	mg/Kg	50	12/22/15	HM	SW8260C
2-Isopropyltoluene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
4-Chlorotoluene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
4-Methyl-2-pentanone	ND	3.9	mg/Kg	50	12/22/15	HM	SW8260C
Acetone	ND	3.9	mg/Kg	50	12/22/15	HM	SW8260C
Acrylonitrile	ND	1.6	mg/Kg	50	12/22/15	HM	SW8260C
Benzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Bromobenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Bromochloromethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Bromodichloromethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Bromoform	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Bromomethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Carbon Disulfide	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Carbon tetrachloride	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Chlorobenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Chloroethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Chloroform	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Chloromethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
cis-1,2-Dichloroethene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
cis-1,3-Dichloropropene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Dibromochloromethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Dibromomethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Dichlorodifluoromethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Ethylbenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Hexachlorobutadiene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Isopropylbenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C

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Client ID: SP-2 8-10 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	0.85	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Methyl Ethyl Ketone	ND	3.9	mg/Kg	50	12/22/15	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.6	mg/Kg	50	12/22/15	HM	SW8260C
Methylene chloride	ND	1.6	mg/Kg	50	12/22/15	HM	SW8260C
Naphthalene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
n-Butylbenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
n-Propylbenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
o-Xylene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
p-Isopropyltoluene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
sec-Butylbenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Styrene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
tert-Butylbenzene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Tetrachloroethene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Tetrahydrofuran (THF)	ND	1.6	mg/Kg	50	12/22/15	HM	SW8260C
Toluene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Total Xylenes	0.85	0.79	mg/Kg	50	12/22/15	HM	SW8260C
trans-1,2-Dichloroethene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
trans-1,3-Dichloropropene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	1.6	mg/Kg	50	12/22/15	HM	SW8260C
Trichloroethene	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Trichlorofluoromethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Trichlorotrifluoroethane	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
Vinyl chloride	ND	0.79	mg/Kg	50	12/22/15	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	50	12/22/15	HM	70 - 130 %
% Bromofluorobenzene	109		%	50	12/22/15	HM	70 - 130 %
% Dibromofluoromethane	95		%	50	12/22/15	HM	70 - 130 %
% Toluene-d8	98		%	50	12/22/15	HM	70 - 130 %
<u>Semivolatiles</u>							
1,2-Dichlorobenzene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
2-Chloronaphthalene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
2-Methylnaphthalene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
2-Nitroaniline	ND	1.2	mg/Kg	1	12/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	1.7	mg/Kg	1	12/18/15	DD	SW8270D
3-Nitroaniline	ND	1.2	mg/Kg	1	12/18/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
4-Chloroaniline	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
4-Nitroaniline	ND	1.2	mg/Kg	1	12/18/15	DD	SW8270D
Acenaphthene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Acenaphthylene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Anthracene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Benz(a)anthracene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Benidine	ND	0.42	mg/Kg	1	12/18/15	DD	SW8270D

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Client ID: SP-2 8-10 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(a)pyrene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Benzoic acid	ND	0.84	mg/Kg	1	12/18/15	DD	SW8270D
Benzyl alcohol	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Chrysene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Dibenzofuran	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Diethyl phthalate	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Dimethylphthalate	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Di-n-butylphthalate	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Di-n-octylphthalate	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Fluoranthene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Fluorene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Hexachlorobenzene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Hexachlorobutadiene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Hexachloroethane	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Isophorone	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Naphthalene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Nitrobenzene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Phenanthrene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
Pyrene	ND	0.29	mg/Kg	1	12/18/15	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	55		%	1	12/18/15	DD	30 - 130 %
% Nitrobenzene-d5	47		%	1	12/18/15	DD	30 - 130 %
% Terphenyl-d14	62		%	1	12/18/15	DD	30 - 130 %

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:

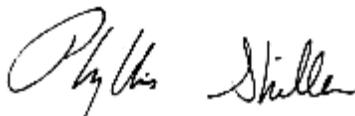
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 22, 2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: SOIL
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

12/17/15
12/17/15

Time

10:45
19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41222

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: SP-3 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	6460	55	mg/Kg	10	12/18/15	LK	SW6010C
Antimony	< 3.6	3.6	mg/Kg	1	12/18/15	LK	SW6010C
Arsenic	5.7	0.7	mg/Kg	1	12/18/15	LK	SW6010C
Barium	151	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Beryllium	0.32	0.29	mg/Kg	1	12/18/15	LK	SW6010C
Calcium	19000	55	mg/Kg	10	12/18/15	LK	SW6010C
Cadmium	2.77	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Chromium	27.7	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Cobalt	5.14	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Copper	100	0.36	mg/kg	1	12/18/15	LK	SW6010C
Iron	18700	55	mg/Kg	10	12/18/15	LK	SW6010C
Lead	502	3.6	mg/Kg	10	12/18/15	LK	SW6010C
Magnesium	4040	5.5	mg/Kg	1	12/18/15	LK	SW6010C
Manganese	221	3.6	mg/Kg	10	12/18/15	LK	SW6010C
Mercury	0.29	0.03	mg/Kg	1	12/21/15	RS	SW7471B
Nickel	24.4	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Potassium	1120	5.5	mg/Kg	1	12/18/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	12/18/15	LK	SW6010C
Silver	< 0.36	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Sodium	507	5.5	mg/Kg	1	12/18/15	LK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	1	12/18/15	LK	SW6010C
Vanadium	50.5	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Zinc	387	3.6	mg/Kg	10	12/18/15	LK	SW6010C
Percent Solid	89		%		12/17/15	W	SW846-%Solid
Soil Extraction for SVOA	Completed				12/17/15	CJ/CKV	SW3545A
Mercury Digestion	Completed				12/21/15	W/W	SW7471B
Total Metals Digest	Completed				12/17/15	G/AG	SW3050B
Field Extraction	Completed				12/17/15		SW5035A

Client ID: SP-3 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,1-Dichloroethene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,1-Dichloropropene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,2,3-Trichlorobenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,2,3-Trichloropropane	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,2,4-Trichlorobenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,2,4-Trimethylbenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dibromoethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,2-Dichlorobenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dichloroethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,2-Dichloropropane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,3,5-Trimethylbenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,3-Dichlorobenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
1,3-Dichloropropane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
1,4-Dichlorobenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
2,2-Dichloropropane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
2-Chlorotoluene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
2-Hexanone	ND	0.03	mg/Kg	1	12/22/15	HM	SW8260C
2-Isopropyltoluene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
4-Chlorotoluene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
4-Methyl-2-pentanone	ND	0.03	mg/Kg	1	12/22/15	HM	SW8260C
Acetone	ND	0.05	mg/Kg	1	12/22/15	HM	SW8260C
Acrylonitrile	ND	0.012	mg/Kg	1	12/22/15	HM	SW8260C
Benzene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Bromobenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
Bromochloromethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Bromodichloromethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Bromoform	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Bromomethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Carbon Disulfide	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Carbon tetrachloride	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Chlorobenzene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Chloroethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Chloroform	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Chloromethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
cis-1,2-Dichloroethene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
cis-1,3-Dichloropropene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Dibromochloromethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Dibromomethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Dichlorodifluoromethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Ethylbenzene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Hexachlorobutadiene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
Isopropylbenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C

1

Client ID: SP-3 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Methyl Ethyl Ketone	ND	0.03	mg/Kg	1	12/22/15	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	12/22/15	HM	SW8260C
Methylene chloride	ND	0.012	mg/Kg	1	12/22/15	HM	SW8260C
Naphthalene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
n-Butylbenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
n-Propylbenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
o-Xylene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
p-Isopropyltoluene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
sec-Butylbenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
Styrene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
tert-Butylbenzene	ND	0.71	mg/Kg	50	12/22/15	HM	SW8260C
Tetrachloroethene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	12/22/15	HM	SW8260C
Toluene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Total Xylenes	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
trans-1,2-Dichloroethene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
trans-1,3-Dichloropropene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	1.4	mg/Kg	50	12/22/15	HM	SW8260C
Trichloroethene	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Trichlorofluoromethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Trichlorotrifluoroethane	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
Vinyl chloride	ND	0.0061	mg/Kg	1	12/22/15	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	50	12/22/15	HM	70 - 130 %
% Bromofluorobenzene	96		%	50	12/22/15	HM	70 - 130 %
% Dibromofluoromethane	107		%	1	12/22/15	HM	70 - 130 %
% Toluene-d8	85		%	1	12/22/15	HM	70 - 130 %
<u>Semivolatiles</u>							
1,2-Dichlorobenzene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
2-Chloronaphthalene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
2-Methylnaphthalene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
2-Nitroaniline	ND	5.4	mg/Kg	5	12/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	7.4	mg/Kg	5	12/18/15	DD	SW8270D
3-Nitroaniline	ND	5.4	mg/Kg	5	12/18/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
4-Chloroaniline	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
4-Nitroaniline	ND	5.4	mg/Kg	5	12/18/15	DD	SW8270D
Acenaphthene	2	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Acenaphthylene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Anthracene	3.2	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Benz(a)anthracene	11	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Benidine	ND	1.9	mg/Kg	5	12/18/15	DD	SW8270D

Client ID: SP-3 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(a)pyrene	11	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Benzo(b)fluoranthene	16	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Benzo(ghi)perylene	6.1	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Benzo(k)fluoranthene	11	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Benzoic acid	ND	3.7	mg/Kg	5	12/18/15	DD	SW8270D
Benzyl alcohol	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	4.8	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Chrysene	15	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Dibenzofuran	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Diethyl phthalate	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Dimethylphthalate	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Di-n-butylphthalate	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Di-n-octylphthalate	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Fluoranthene	22	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Fluorene	1.7	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Hexachlorobenzene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Hexachlorobutadiene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Hexachloroethane	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	7.2	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Isophorone	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Naphthalene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Nitrobenzene	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Phenanthrene	12	1.3	mg/Kg	5	12/18/15	DD	SW8270D
Pyrene	19	1.3	mg/Kg	5	12/18/15	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	62		%	5	12/18/15	DD	30 - 130 %
% Nitrobenzene-d5	55		%	5	12/18/15	DD	30 - 130 %
% Terphenyl-d14	46		%	5	12/18/15	DD	30 - 130 %

1

Client ID: SP-3 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:

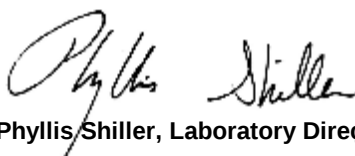
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 22, 2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: SOIL
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

12/17/15
12/17/15

Time

10:45
19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41223

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: SP-4 2-4 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	11500	57	mg/Kg	10	12/18/15	LK	SW6010C
Antimony	5.9	3.8	mg/Kg	1	12/18/15	LK	SW6010C
Arsenic	9.3	0.8	mg/Kg	1	12/18/15	LK	SW6010C
Barium	318	0.38	mg/Kg	1	12/18/15	LK	SW6010C
Beryllium	0.50	0.30	mg/Kg	1	12/18/15	LK	SW6010C
Calcium	19900	57	mg/Kg	10	12/18/15	LK	SW6010C
Cadmium	6.92	0.38	mg/Kg	1	12/18/15	LK	SW6010C
Chromium	51.9	0.38	mg/Kg	1	12/18/15	LK	SW6010C
Cobalt	10.6	0.38	mg/Kg	1	12/18/15	LK	SW6010C
Copper	200	3.8	mg/kg	10	12/18/15	LK	SW6010C
Iron	27700	57	mg/Kg	10	12/18/15	LK	SW6010C
Lead	516	3.8	mg/Kg	10	12/18/15	LK	SW6010C
Magnesium	11400	57	mg/Kg	10	12/18/15	LK	SW6010C
Manganese	269	3.8	mg/Kg	10	12/18/15	LK	SW6010C
Mercury	0.44	0.03	mg/Kg	1	12/22/15	RS	SW7471B
Nickel	44.8	0.38	mg/Kg	1	12/18/15	LK	SW6010C
Potassium	1900	57	mg/Kg	10	12/18/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	12/18/15	LK	SW6010C
Silver	0.49	0.38	mg/Kg	1	12/18/15	LK	SW6010C
Sodium	764	5.7	mg/Kg	1	12/18/15	LK	SW6010C
Thallium	< 3.4	3.4	mg/Kg	1	12/18/15	LK	SW6010C
Vanadium	89.9	0.38	mg/Kg	1	12/18/15	LK	SW6010C
Zinc	1500	3.8	mg/Kg	10	12/18/15	LK	SW6010C
Percent Solid	79		%		12/17/15	W	SW846-%Solid
Soil Extraction for SVOA	Completed				12/17/15	CJ/CKV	SW3545A
Mercury Digestion	Completed				12/21/15	W/W	SW7471B
Total Metals Digest	Completed				12/17/15	G/AG	SW3050B
Field Extraction	Completed				12/17/15		SW5035A

Client ID: SP-4 2-4 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,1-Dichloroethene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,1-Dichloropropene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,2,3-Trichlorobenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,2,3-Trichloropropane	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,2,4-Trichlorobenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,2,4-Trimethylbenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dibromoethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,2-Dichlorobenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,2-Dichloroethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,2-Dichloropropane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,3,5-Trimethylbenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,3-Dichlorobenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
1,3-Dichloropropane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
1,4-Dichlorobenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
2,2-Dichloropropane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
2-Chlorotoluene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
2-Hexanone	ND	0.025	mg/Kg	1	12/21/15	HM	SW8260C
2-Isopropyltoluene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
4-Chlorotoluene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	12/21/15	HM	SW8260C
Acetone	0.13	S 0.025	mg/Kg	1	12/21/15	HM	SW8260C
Acrylonitrile	ND	0.01	mg/Kg	1	12/21/15	HM	SW8260C
Benzene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Bromobenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
Bromochloromethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Bromodichloromethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Bromoform	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Bromomethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Carbon Disulfide	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Carbon tetrachloride	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Chlorobenzene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Chloroethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Chloroform	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Chloromethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
cis-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
cis-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Dibromochloromethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Dibromomethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Dichlorodifluoromethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Ethylbenzene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Hexachlorobutadiene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
Isopropylbenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C

1

Client ID: SP-4 2-4 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	0.0068	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Methyl Ethyl Ketone	ND	0.025	mg/Kg	1	12/21/15	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	12/21/15	HM	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	12/21/15	HM	SW8260C
Naphthalene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
n-Butylbenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
n-Propylbenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
o-Xylene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
p-Isopropyltoluene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
sec-Butylbenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
Styrene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
tert-Butylbenzene	ND	0.54	mg/Kg	50	12/22/15	HM	SW8260C
Tetrachloroethene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	12/21/15	HM	SW8260C
Toluene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Total Xylenes	0.0068	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
trans-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
trans-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	1.1	mg/Kg	50	12/22/15	HM	SW8260C
Trichloroethene	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Trichlorofluoromethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Trichlorotrifluoroethane	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
Vinyl chloride	ND	0.0051	mg/Kg	1	12/21/15	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	50	12/22/15	HM	70 - 130 %
% Bromofluorobenzene	99		%	50	12/22/15	HM	70 - 130 %
% Dibromofluoromethane	106		%	1	12/21/15	HM	70 - 130 %
% Toluene-d8	90		%	1	12/21/15	HM	70 - 130 %
<u>Semivolatiles</u>							
1,2-Dichlorobenzene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
2-Chloronaphthalene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
2-Methylnaphthalene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
2-Nitroaniline	ND	60	mg/Kg	10	12/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	83	mg/Kg	10	12/18/15	DD	SW8270D
3-Nitroaniline	ND	60	mg/Kg	10	12/18/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
4-Chloroaniline	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
4-Nitroaniline	ND	60	mg/Kg	10	12/18/15	DD	SW8270D
Acenaphthene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Acenaphthylene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Anthracene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Benz(a)anthracene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Benzidine	ND	21	mg/Kg	10	12/18/15	DD	SW8270D

Client ID: SP-4 2-4 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(a)pyrene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Benzoic acid	ND	41	mg/Kg	10	12/18/15	DD	SW8270D
Benzyl alcohol	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	20	14	mg/Kg	10	12/18/15	DD	SW8270D
Chrysene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Dibenzofuran	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Diethyl phthalate	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Dimethylphthalate	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Di-n-butylphthalate	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Di-n-octylphthalate	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Fluoranthene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Fluorene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Hexachlorobenzene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Hexachlorobutadiene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Hexachloroethane	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Isophorone	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Naphthalene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Nitrobenzene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Phenanthrene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
Pyrene	ND	14	mg/Kg	10	12/18/15	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	Diluted Out		%	10	12/18/15	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	10	12/18/15	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	10	12/18/15	DD	30 - 130 %

1

Client ID: SP-4 2-4 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:

There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

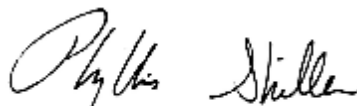
All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 22, 2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: SOIL
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

12/17/15
12/17/15

Time

10:45
19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41224

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: SP-5 6-8 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	6650	62	mg/Kg	10	12/18/15	EK	SW6010C
Antimony	12.6	4.2	mg/Kg	1	12/18/15	LK	SW6010C
Arsenic	34.8	0.8	mg/Kg	1	12/18/15	LK	SW6010C
Barium	151	0.42	mg/Kg	1	12/18/15	LK	SW6010C
Beryllium	< 0.33	0.33	mg/Kg	1	12/18/15	LK	SW6010C
Calcium	13100	62	mg/Kg	10	12/18/15	EK	SW6010C
Cadmium	5.98	0.42	mg/Kg	1	12/18/15	LK	SW6010C
Chromium	33.2	0.42	mg/Kg	1	12/18/15	LK	SW6010C
Cobalt	10.9	0.42	mg/Kg	1	12/18/15	LK	SW6010C
Copper	616	4.2	mg/kg	10	12/18/15	EK	SW6010C
Iron	92100	62	mg/Kg	10	12/18/15	EK	SW6010C
Lead	1730	42	mg/Kg	100	12/21/15	LK	SW6010C
Magnesium	3620	6.2	mg/Kg	1	12/18/15	LK	SW6010C
Manganese	259	4.2	mg/Kg	10	12/18/15	EK	SW6010C
Mercury	4.24	0.31	mg/Kg	1	12/22/15	RS	SW7471B
Nickel	24.4	0.42	mg/Kg	1	12/18/15	LK	SW6010C
Potassium	1320	6.2	mg/Kg	1	12/18/15	LK	SW6010C
Selenium	< 1.7	1.7	mg/Kg	1	12/18/15	LK	SW6010C
Silver	0.44	0.42	mg/Kg	1	12/18/15	LK	SW6010C
Sodium	417	6.2	mg/Kg	1	12/18/15	LK	SW6010C
Thallium	< 3.7	3.7	mg/Kg	1	12/18/15	LK	SW6010C
Vanadium	23.0	0.42	mg/Kg	1	12/18/15	LK	SW6010C
Zinc	4910	42	mg/Kg	100	12/21/15	LK	SW6010C
Percent Solid	79		%		12/17/15	W	SW846-%Solid
Soil Extraction for SVOA	Completed				12/18/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/21/15	W/W	SW7471B
Total Metals Digest	Completed				12/17/15	G/AG	SW3050B
Field Extraction	Completed				12/17/15		SW5035A

Client ID: SP-5 6-8 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,1-Dichloroethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,1-Dichloroethene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,1-Dichloropropene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dibromoethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dichloroethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dichloropropane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,3-Dichloropropane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
2,2-Dichloropropane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
2-Chlorotoluene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
2-Hexanone	ND	0.028	mg/Kg	1	12/20/15	JLI	SW8260C
2-Isopropyltoluene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
4-Chlorotoluene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	12/20/15	JLI	SW8260C
Acetone	ND	0.028	mg/Kg	1	12/20/15	JLI	SW8260C
Acrylonitrile	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Benzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Bromobenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Bromochloromethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Bromodichloromethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Bromoform	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Bromomethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Carbon Disulfide	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Carbon tetrachloride	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Chlorobenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Chloroethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Chloroform	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Chloromethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Dibromochloromethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Dibromomethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Ethylbenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Hexachlorobutadiene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Isopropylbenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C

1

Client ID: SP-5 6-8 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	12/20/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Methylene chloride	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Naphthalene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
n-Butylbenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
n-Propylbenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
o-Xylene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
p-Isopropyltoluene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
sec-Butylbenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Styrene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
tert-Butylbenzene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Tetrachloroethene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Toluene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Total Xylenes	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Trichloroethene	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Trichlorofluoromethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
Vinyl chloride	ND	0.0055	mg/Kg	1	12/20/15	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	1	12/20/15	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	12/20/15	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	12/20/15	JLI	70 - 130 %
% Toluene-d8	99		%	1	12/20/15	JLI	70 - 130 %
<u>Semivolatiles</u>							
1,2-Dichlorobenzene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
1,3-Dichlorobenzene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
1,4-Dichlorobenzene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
2,4-Dinitrotoluene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
2,6-Dinitrotoluene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
2-Chloronaphthalene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
2-Methylnaphthalene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
2-Nitroaniline	ND	12	mg/Kg	10	12/21/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	17	mg/Kg	10	12/21/15	DD	SW8270D
3-Nitroaniline	ND	12	mg/Kg	10	12/21/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
4-Chloroaniline	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
4-Nitroaniline	ND	12	mg/Kg	10	12/21/15	DD	SW8270D
Acenaphthene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Acenaphthylene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Anthracene	9	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Benz(a)anthracene	19	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Benidine	ND	4.1	mg/Kg	10	12/21/15	DD	SW8270D

1

Client ID: SP-5 6-8 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(a)pyrene	20	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Benzo(b)fluoranthene	18	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Benzo(ghi)perylene	12	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Benzo(k)fluoranthene	15	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Benzoic acid	ND	8.3	mg/Kg	10	12/21/15	DD	SW8270D
Benzyl alcohol	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Benzyl butyl phthalate	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Chrysene	20	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Dibenz(a,h)anthracene	2.9	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Dibenzofuran	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Diethyl phthalate	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Dimethylphthalate	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Di-n-butylphthalate	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Di-n-octylphthalate	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Fluoranthene	45	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Fluorene	3.9	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Hexachlorobenzene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Hexachlorobutadiene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Hexachloroethane	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	14	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Isophorone	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Naphthalene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Nitrobenzene	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
N-Nitrosodimethylamine	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Phenanthrene	41	2.9	mg/Kg	10	12/21/15	DD	SW8270D
Pyrene	40	2.9	mg/Kg	10	12/21/15	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	Diluted Out		%	10	12/21/15	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	10	12/21/15	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	10	12/21/15	DD	30 - 130 %

1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:

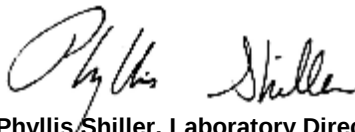
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 22, 2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: SOIL
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

12/17/15
12/17/15

Time

10:45
19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41225

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: SP-6 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	11500	54	mg/Kg	10	12/18/15	EK	SW6010C
Antimony	< 3.6	3.6	mg/Kg	1	12/18/15	LK	SW6010C
Arsenic	2.9	0.7	mg/Kg	1	12/18/15	LK	SW6010C
Barium	138	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Beryllium	0.46	0.29	mg/Kg	1	12/18/15	LK	SW6010C
Calcium	14600	54	mg/Kg	10	12/18/15	EK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Chromium	24.1	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Cobalt	10.0	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Copper	38.5	0.36	mg/kg	1	12/18/15	LK	SW6010C
Iron	20100	54	mg/Kg	10	12/18/15	EK	SW6010C
Lead	356	3.6	mg/Kg	10	12/18/15	EK	SW6010C
Magnesium	5150	5.4	mg/Kg	1	12/18/15	LK	SW6010C
Manganese	261	3.6	mg/Kg	10	12/18/15	EK	SW6010C
Mercury	0.63	0.03	mg/Kg	1	12/22/15	RS	SW7471B
Nickel	20.6	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Potassium	2800	5.4	mg/Kg	1	12/18/15	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	12/18/15	LK	SW6010C
Silver	< 0.36	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Sodium	226	5.4	mg/Kg	1	12/18/15	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	1	12/18/15	LK	SW6010C
Vanadium	35.7	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Zinc	108	0.36	mg/Kg	1	12/18/15	LK	SW6010C
Percent Solid	88		%		12/17/15	W	SW846-%Solid
Soil Extraction for SVOA	Completed				12/18/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/21/15	W/W	SW7471B
Total Metals Digest	Completed				12/17/15	G/AG	SW3050B
Field Extraction	Completed				12/17/15		SW5035A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,1-Dichloroethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,1-Dichloroethene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,1-Dichloropropene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dibromoethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dichloroethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,2-Dichloropropane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,3-Dichloropropane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
2,2-Dichloropropane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
2-Chlorotoluene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
2-Hexanone	ND	0.028	mg/Kg	1	12/20/15	JLI	SW8260C
2-Isopropyltoluene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
4-Chlorotoluene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	12/20/15	JLI	SW8260C
Acetone	ND	0.028	mg/Kg	1	12/20/15	JLI	SW8260C
Acrylonitrile	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Benzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Bromobenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Bromochloromethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Bromodichloromethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Bromoform	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Bromomethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Carbon Disulfide	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Carbon tetrachloride	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Chlorobenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Chloroethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Chloroform	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Chloromethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Dibromochloromethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Dibromomethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Ethylbenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Hexachlorobutadiene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Isopropylbenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C

1

Client ID: SP-6 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	12/20/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Methylene chloride	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Naphthalene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
n-Butylbenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
n-Propylbenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
o-Xylene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
p-Isopropyltoluene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
sec-Butylbenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Styrene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
tert-Butylbenzene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Tetrachloroethene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Toluene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Total Xylenes	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	12/20/15	JLI	SW8260C
Trichloroethene	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Trichlorofluoromethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
Vinyl chloride	ND	0.0057	mg/Kg	1	12/20/15	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102		%	1	12/20/15	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	12/20/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	12/20/15	JLI	70 - 130 %
% Toluene-d8	99		%	1	12/20/15	JLI	70 - 130 %
<u>Semivolatiles</u>							
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
2-Nitroaniline	ND	1.1	mg/Kg	1	12/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	1.5	mg/Kg	1	12/19/15	DD	SW8270D
3-Nitroaniline	ND	1.1	mg/Kg	1	12/19/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
4-Chloroaniline	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
4-Nitroaniline	ND	1.1	mg/Kg	1	12/19/15	DD	SW8270D
Acenaphthene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Benidine	ND	0.38	mg/Kg	1	12/19/15	DD	SW8270D

1

Client ID: SP-6 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(a)pyrene	0.28	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Benzo(b)fluoranthene	0.3	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Benzo(ghi)perylene	0.56	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Benzoic acid	ND	0.75	mg/Kg	1	12/19/15	DD	SW8270D
Benzyl alcohol	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Chrysene	0.27	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Di-n-butylphthalate	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Fluoranthene	0.53	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	0.39	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Isophorone	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Phenanthrene	0.29	0.26	mg/Kg	1	12/19/15	DD	SW8270D
Pyrene	0.45	0.26	mg/Kg	1	12/19/15	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	62		%	1	12/19/15	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	12/19/15	DD	30 - 130 %
% Terphenyl-d14	52		%	1	12/19/15	DD	30 - 130 %

1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

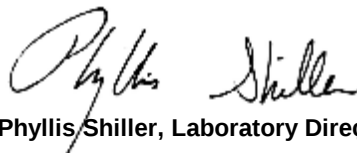
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 22, 2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: GROUND WATER
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time

12/17/15 10:45
12/17/15 19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41226

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: GP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	125	0.10	mg/L	10	12/21/15	LK	SW6010C
Aluminum (Dissolved)	0.169	0.011	mg/L	1	12/18/15	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003	mg/L	1	12/18/15	LK	SW6010C
Antimony	< 0.003	0.003	mg/L	1	12/20/15	LK	SW6010C
Arsenic	0.006	0.004	mg/L	1	12/20/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	12/18/15	LK	SW6010C
Barium	1.48	0.002	mg/L	1	12/20/15	LK	SW6010C
Barium (Dissolved)	0.370	0.002	mg/L	1	12/18/15	LK	SW6010C
Beryllium	0.006	0.001	mg/L	1	12/20/15	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Calcium	184	0.10	mg/L	10	12/21/15	LK	SW6010C
Cadmium	0.007	0.001	mg/L	1	12/20/15	LK	SW6010C
Calcium (Dissolved)	169	0.11	mg/L	10	12/18/15	EK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Chromium	0.454	0.001	mg/L	1	12/20/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Cobalt	0.101	0.002	mg/L	1	12/20/15	LK	SW6010C
Copper	1.02	0.005	mg/L	1	12/20/15	LK	SW6010C
Cobalt (Dissolved)	0.004	0.001	mg/L	1	12/18/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005	mg/L	1	12/18/15	LK	SW6010C
Iron (Dissolved)	6.00	0.011	mg/L	1	12/18/15	LK	SW6010C
Iron	208	0.10	mg/L	10	12/21/15	LK	SW6010C
Lead (Dissolved)	< 0.002	0.002	mg/L	1	12/18/15	LK	SW6010C
Lead	0.133	0.002	mg/L	1	12/20/15	LK	SW6010C
Magnesium (Dissolved)	45.3	0.01	mg/L	1	12/18/15	LK	SW6010C
Manganese (Dissolved)	0.653	0.001	mg/L	1	12/18/15	LK	SW6010C
Magnesium	73.7	0.01	mg/L	1	12/20/15	LK	SW6010C
Manganese	2.71	0.010	mg/L	10	12/21/15	LK	SW6010C

Client ID: GP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	12/22/15	RS	SW7470A
Mercury	< 0.0002	0.0002	mg/L	1	12/18/15	RS	SW7470A
Nickel (Dissolved)	0.014	0.001	mg/L	1	12/18/15	LK	SW6010C
Nickel	0.377	0.001	mg/L	1	12/20/15	LK	SW6010C
Potassium (Dissolved)	15.6	0.1	mg/L	1	12/18/15	LK	SW6010C
Potassium	41.0	0.1	mg/L	1	12/20/15	LK	SW6010C
Selenium (Dissolved)	< 0.002	0.002	mg/L	1	12/18/15	RS	E200.9/SM3113B-10
Selenium	< 0.010	0.010	mg/L	1	12/20/15	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/20/15	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Sodium (Dissolved)	302	1.1	mg/L	10	12/18/15	EK	SW6010C
Sodium	314	1.0	mg/L	10	12/21/15	LK	SW6010C
Thallium (Dissolved)	< 0.0005	0.0005	mg/L	1	12/18/15	RS	SW7010
Thallium	< 0.0005	0.0005	mg/L	1	12/22/15	RS	SM3113B/SW7010-1
Vanadium (Dissolved)	< 0.002	0.002	mg/L	1	12/18/15	LK	SW6010C
Vanadium	0.251	0.002	mg/L	1	12/20/15	LK	SW6010C
Zinc (Dissolved)	0.035	0.002	mg/L	1	12/18/15	LK	SW6010C
Zinc	1.11	0.002	mg/L	1	12/20/15	LK	SW6010C
Filtration	Completed				12/17/15	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				12/21/15	W/W	SW7470A
Mercury Digestion	Completed				12/18/15	W/W	SW7470A
Semi-Volatile Extraction	Completed				12/18/15	E/K/D	SW3520C
Dissolved Metals Preparation	Completed				12/17/15	AG	
Total Metals Digestion	Completed				12/18/15	AG	SW3050B

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/18/15	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	12/18/15	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C

1

Client ID: GP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Acetone	ND	25	ug/L	1	12/18/15	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Benzene	ND	0.70	ug/L	1	12/18/15	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	12/18/15	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/18/15	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	12/18/15	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	12/18/15	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Styrene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/18/15	MH	SW8260C
Toluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/18/15	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	1	12/18/15	MH	70 - 130 %

1

Client ID: GP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	93		%	1	12/18/15	MH	70 - 130 %
% Dibromofluoromethane	92		%	1	12/18/15	MH	70 - 130 %
% Toluene-d8	97		%	1	12/18/15	MH	70 - 130 %

Semivolatiles, Full Scan

1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
1,2-Dichlorobenzene	ND	3.0	ug/L	1	12/22/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
1,3-Dichlorobenzene	ND	3.0	ug/L	1	12/22/15	DD	SW8270D
1,4-Dichlorobenzene	ND	3.0	ug/L	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Acenaphthene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Anthracene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Benzidine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	12/22/15	DD	SW8270D
Benzyl Alcohol	ND	20	ug/L	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	1.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Fluoranthene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Fluorene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Hexachloroethane	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Isophorone	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Naphthalene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Pyrene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D

B

QA/QC Surrogates

% 2-Fluorobiphenyl	65		%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	51		%	1	12/22/15	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	88		%	1	12/22/15	DD	30 - 130 %
<u>Semivolatiles, SIM</u>							
Acenaphthylene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benz(a)anthracene	0.04	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Chrysene	0.04	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	12/21/15	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	1	12/21/15	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Nitrobenzene	ND	0.40	ug/L	1	12/21/15	DD	SW8270D (SIM)
Phenanthrene	0.63	0.05	ug/L	1	12/21/15	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	65		%	1	12/21/15	DD	30 - 130 %
% Nitrobenzene-d5	51		%	1	12/21/15	DD	30 - 130 %
% Terphenyl-d14	88		%	1	12/21/15	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

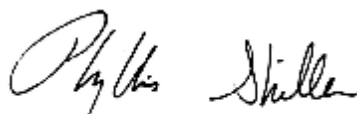
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 22, 2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: GROUND WATER
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

12/17/15
12/17/15

Time

10:45
19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41227

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: GP-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	144	0.10	mg/L	10	12/21/15	LK	SW6010C
Aluminum (Dissolved)	0.126	0.011	mg/L	1	12/18/15	LK	SW6010C
Antimony (Dissolved)	0.003	0.003	mg/L	1	12/18/15	LK	SW6010C
Antimony	< 0.003	0.003	mg/L	1	12/20/15	LK	SW6010C
Arsenic	0.011	0.004	mg/L	1	12/20/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	12/18/15	LK	SW6010C
Barium	2.30	0.002	mg/L	1	12/20/15	LK	SW6010C
Barium (Dissolved)	0.246	0.002	mg/L	1	12/18/15	LK	SW6010C
Beryllium	0.004	0.001	mg/L	1	12/20/15	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Calcium	104	0.010	mg/L	1	12/20/15	LK	SW6010C
Cadmium	0.006	0.001	mg/L	1	12/20/15	LK	SW6010C
Calcium (Dissolved)	90.4	0.01	mg/L	1	12/18/15	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Chromium	0.327	0.001	mg/L	1	12/20/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Cobalt	0.087	0.002	mg/L	1	12/20/15	LK	SW6010C
Copper	0.425	0.005	mg/L	1	12/20/15	LK	SW6010C
Cobalt (Dissolved)	0.002	0.001	mg/L	1	12/18/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005	mg/L	1	12/18/15	LK	SW6010C
Iron (Dissolved)	0.042	0.011	mg/L	1	12/18/15	LK	SW6010C
Iron	191	0.10	mg/L	10	12/21/15	LK	SW6010C
Lead (Dissolved)	0.003	0.002	mg/L	1	12/18/15	LK	SW6010C
Lead	0.101	0.002	mg/L	1	12/20/15	LK	SW6010C
Magnesium (Dissolved)	20.2	0.01	mg/L	1	12/18/15	LK	SW6010C
Manganese (Dissolved)	0.674	0.001	mg/L	1	12/18/15	LK	SW6010C
Magnesium	69.9	0.01	mg/L	1	12/20/15	LK	SW6010C
Manganese	16.3	0.010	mg/L	10	12/21/15	LK	SW6010C

Client ID: GP-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	12/22/15	RS	SW7470A
Mercury	< 0.0002	0.0002	mg/L	1	12/18/15	RS	SW7470A
Nickel (Dissolved)	0.009	0.001	mg/L	1	12/18/15	LK	SW6010C
Nickel	0.252	0.001	mg/L	1	12/20/15	LK	SW6010C
Potassium (Dissolved)	11.3	0.1	mg/L	1	12/18/15	LK	SW6010C
Potassium	47.8	0.1	mg/L	1	12/20/15	LK	SW6010C
Selenium (Dissolved)	< 0.002	0.002	mg/L	1	12/18/15	RS	E200.9/SM3113B-10
Selenium	< 0.010	0.010	mg/L	1	12/20/15	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/20/15	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Sodium (Dissolved)	101	1.1	mg/L	10	12/18/15	EK	SW6010C
Sodium	99.0	1.0	mg/L	10	12/21/15	LK	SW6010C
Thallium (Dissolved)	< 0.0005	0.0005	mg/L	1	12/18/15	RS	SW7010
Thallium	< 0.0005	0.0005	mg/L	1	12/22/15	RS	SM3113B/SW7010-1
Vanadium (Dissolved)	< 0.002	0.002	mg/L	1	12/18/15	LK	SW6010C
Vanadium	0.273	0.002	mg/L	1	12/20/15	LK	SW6010C
Zinc (Dissolved)	0.028	0.002	mg/L	1	12/18/15	LK	SW6010C
Zinc	0.766	0.002	mg/L	1	12/20/15	LK	SW6010C
Filtration	Completed				12/17/15	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				12/21/15	W/W	SW7470A
Mercury Digestion	Completed				12/18/15	W/W	SW7470A
Semi-Volatile Extraction	Completed				12/18/15	E/K/D	SW3520C
Dissolved Metals Preparation	Completed				12/17/15	AG	
Total Metals Digestion	Completed				12/18/15	AG	SW3050B

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/18/15	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	12/18/15	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C

1

Client ID: GP-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Acetone	ND	25	ug/L	1	12/18/15	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Benzene	ND	0.70	ug/L	1	12/18/15	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	12/18/15	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Chloroform	1.3	1.0	ug/L	1	12/18/15	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/18/15	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	12/18/15	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	12/18/15	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Styrene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/18/15	MH	SW8260C
Toluene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/18/15	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/18/15	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	12/18/15	MH	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	12/18/15	MH	70 - 130 %

1

Client ID: GP-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	90		%	1	12/18/15	MH	70 - 130 %
% Dibromofluoromethane	85		%	1	12/18/15	MH	70 - 130 %
% Toluene-d8	101		%	1	12/18/15	MH	70 - 130 %

Semivolatiles, Full Scan

1,2,4-Trichlorobenzene	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
1,2-Dichlorobenzene	ND	3.2	ug/L	1	12/22/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
1,3-Dichlorobenzene	ND	3.0	ug/L	1	12/22/15	DD	SW8270D
1,4-Dichlorobenzene	ND	3.2	ug/L	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Acenaphthene	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Anthracene	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Benzidine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	12/22/15	DD	SW8270D
Benzyl Alcohol	ND	22	ug/L	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	1.1	ug/L	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Fluoranthene	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Fluorene	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Hexachloroethane	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Isophorone	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Naphthalene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.4	ug/L	1	12/22/15	DD	SW8270D
Pyrene	ND	5.4	ug/L	1	12/22/15	DD	SW8270D

B

QA/QC Surrogates

% 2-Fluorobiphenyl	72		%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	51		%	1	12/22/15	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	106		%	1	12/22/15	DD	30 - 130 %
<u>Semivolatiles, SIM</u>							
Acenaphthylene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	12/21/15	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.54	ug/L	1	12/21/15	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Nitrobenzene	ND	0.43	ug/L	1	12/21/15	DD	SW8270D (SIM)
Phenanthrene	0.15	0.05	ug/L	1	12/21/15	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	72		%	1	12/21/15	DD	30 - 130 %
% Nitrobenzene-d5	51		%	1	12/21/15	DD	30 - 130 %
% Terphenyl-d14	106		%	1	12/21/15	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

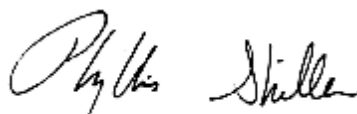
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 22, 2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Draft Progress Report

December 22, 2015

FOR: Attn:
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information

Matrix: GROUND WATER
Location Code: HYDROBRO
Rush Request: 24 Hour
P.O.#: 6136

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

12/17/15
12/17/15

Time

10:45
19:34

Laboratory Data

SDG ID: GBK41220
Phoenix ID: BK41228

Project ID: 1503N-1346 BLONDELL AVE., BROOKLYN
Client ID: GP-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	137	0.10	mg/L	10	12/21/15	LK	SW6010C
Aluminum (Dissolved)	< 0.011	0.011	mg/L	1	12/18/15	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003	mg/L	1	12/18/15	LK	SW6010C
Antimony	< 0.003	0.003	mg/L	1	12/20/15	LK	SW6010C
Arsenic	0.048	0.004	mg/L	1	12/20/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	12/18/15	LK	SW6010C
Barium	0.593	0.002	mg/L	1	12/20/15	LK	SW6010C
Barium (Dissolved)	0.064	0.002	mg/L	1	12/18/15	LK	SW6010C
Beryllium	0.005	0.001	mg/L	1	12/20/15	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Calcium	184	0.10	mg/L	10	12/21/15	LK	SW6010C
Cadmium	0.016	0.001	mg/L	1	12/20/15	LK	SW6010C
Calcium (Dissolved)	190	0.11	mg/L	10	12/18/15	EK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Chromium	0.293	0.001	mg/L	1	12/20/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	LK	SW6010C
Cobalt	0.141	0.002	mg/L	1	12/20/15	LK	SW6010C
Copper	0.812	0.005	mg/L	1	12/20/15	LK	SW6010C
Cobalt (Dissolved)	0.011	0.001	mg/L	1	12/18/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005	mg/L	1	12/18/15	LK	SW6010C
Iron (Dissolved)	11.9	0.011	mg/L	1	12/18/15	LK	SW6010C
Iron	648	0.10	mg/L	10	12/21/15	LK	SW6010C
Lead (Dissolved)	< 0.002	0.002	mg/L	1	12/18/15	LK	SW6010C
Lead	0.299	0.002	mg/L	1	12/20/15	LK	SW6010C
Magnesium (Dissolved)	48.9	0.01	mg/L	1	12/18/15	LK	SW6010C
Manganese (Dissolved)	9.83	0.011	mg/L	10	12/18/15	EK	SW6010C
Magnesium	71.0	0.01	mg/L	1	12/20/15	LK	SW6010C
Manganese	15.9	0.010	mg/L	10	12/21/15	LK	SW6010C

Client ID: GP-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	12/22/15	RS	SW7470A
Mercury	< 0.0002	0.0002	mg/L	1	12/18/15	RS	SW7470A
Nickel (Dissolved)	0.017	0.001	mg/L	1	12/18/15	LK	SW6010C
Nickel	0.303	0.001	mg/L	1	12/20/15	LK	SW6010C
Potassium (Dissolved)	28.6	0.1	mg/L	1	12/18/15	LK	SW6010C
Potassium	44.1	0.1	mg/L	1	12/20/15	LK	SW6010C
Selenium (Dissolved)	< 0.002	0.002	mg/L	1	12/18/15	RS	E200.9/SM3113B-10
Selenium	< 0.010	0.010	mg/L	1	12/20/15	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/20/15	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001	mg/L	1	12/18/15	EK	SW6010C
Sodium (Dissolved)	185	1.1	mg/L	10	12/18/15	EK	SW6010C
Sodium	176	1.0	mg/L	10	12/21/15	LK	SW6010C
Thallium (Dissolved)	< 0.0005	0.0005	mg/L	1	12/18/15	RS	SW7010
Thallium	< 0.0005	0.0005	mg/L	1	12/22/15	RS	SM3113B/SW7010-1
Vanadium (Dissolved)	< 0.002	0.002	mg/L	1	12/18/15	LK	SW6010C
Vanadium	0.255	0.002	mg/L	1	12/20/15	LK	SW6010C
Zinc (Dissolved)	0.023	0.002	mg/L	1	12/18/15	LK	SW6010C
Zinc	0.734	0.002	mg/L	1	12/20/15	LK	SW6010C
Filtration	Completed				12/17/15	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				12/21/15	W/W	SW7470A
Mercury Digestion	Completed				12/18/15	W/W	SW7470A
Semi-Volatile Extraction	Completed				12/18/15	E/K/D	SW3520C
Dissolved Metals Preparation	Completed				12/17/15	AG	
Total Metals Digestion	Completed				12/18/15	AG	SW3050B

Volatiles

1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,1,1-Trichloroethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	2	12/18/15	MH	SW8260C
1,1,2-Trichloroethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,1-Dichloroethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,1-Dichloroethene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,1-Dichloropropene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,2,3-Trichloropropane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,2-Dibromoethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,2-Dichloroethane	ND	1.2	ug/L	2	12/18/15	MH	SW8260C
1,2-Dichloropropane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,3,5-Trimethylbenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,3-Dichloropropane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
2,2-Dichloropropane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
2-Chlorotoluene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
2-Hexanone	ND	10	ug/L	2	12/18/15	MH	SW8260C
2-Isopropyltoluene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C

1

Client ID: GP-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
4-Methyl-2-pentanone	ND	10	ug/L	2	12/18/15	MH	SW8260C
Acetone	ND	50	ug/L	2	12/18/15	MH	SW8260C
Acrylonitrile	ND	10	ug/L	2	12/18/15	MH	SW8260C
Benzene	ND	1.4	ug/L	2	12/18/15	MH	SW8260C
Bromobenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Bromochloromethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Bromodichloromethane	ND	1.0	ug/L	2	12/18/15	MH	SW8260C
Bromoform	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Bromomethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Carbon Disulfide	ND	10	ug/L	2	12/18/15	MH	SW8260C
Carbon tetrachloride	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Chlorobenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Chloroethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Chloroform	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Chloromethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
cis-1,2-Dichloroethene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.80	ug/L	2	12/18/15	MH	SW8260C
Dibromochloromethane	ND	1.0	ug/L	2	12/18/15	MH	SW8260C
Dibromomethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Dichlorodifluoromethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Ethylbenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Hexachlorobutadiene	ND	0.80	ug/L	2	12/18/15	MH	SW8260C
Isopropylbenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
m&p-Xylene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Methyl ethyl ketone	ND	10	ug/L	2	12/18/15	MH	SW8260C
Methyl t-butyl ether (MTBE)	2.2	2.0	ug/L	2	12/18/15	MH	SW8260C
Methylene chloride	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Naphthalene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
n-Butylbenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
n-Propylbenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
o-Xylene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
p-Isopropyltoluene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
sec-Butylbenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Styrene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
tert-Butylbenzene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Tetrachloroethene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	ug/L	2	12/18/15	MH	SW8260C
Toluene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Total Xylenes	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
trans-1,2-Dichloroethene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.80	ug/L	2	12/18/15	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/L	2	12/18/15	MH	SW8260C
Trichloroethene	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Trichlorofluoromethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Trichlorotrifluoroethane	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
Vinyl chloride	ND	2.0	ug/L	2	12/18/15	MH	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	2	12/18/15	MH	70 - 130 %

1

Client ID: GP-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	89		%	2	12/18/15	MH	70 - 130 %
% Dibromofluoromethane	88		%	2	12/18/15	MH	70 - 130 %
% Toluene-d8	98		%	2	12/18/15	MH	70 - 130 %

Semivolatiles, Full Scan

1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
1,2-Dichlorobenzene	ND	3.0	ug/L	1	12/22/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
1,3-Dichlorobenzene	ND	3.0	ug/L	1	12/22/15	DD	SW8270D
1,4-Dichlorobenzene	ND	3.0	ug/L	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Acenaphthene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Anthracene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Benzidine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	12/22/15	DD	SW8270D
Benzyl Alcohol	ND	20	ug/L	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	1.0	ug/L	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Fluoranthene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Fluorene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Hexachloroethane	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Isophorone	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Naphthalene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	12/22/15	DD	SW8270D
Pyrene	ND	5.0	ug/L	1	12/22/15	DD	SW8270D

B

QA/QC Surrogates

% 2-Fluorobiphenyl	79		%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	70		%	1	12/22/15	DD	30 - 130 %

Client ID: GP-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	91		%	1	12/22/15	DD	30 - 130 %
<u>Semivolatiles, SIM</u>							
Acenaphthylene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benz(a)anthracene	0.02	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	12/21/15	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	1	12/21/15	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	12/21/15	DD	SW8270D (SIM)
Nitrobenzene	ND	0.40	ug/L	1	12/21/15	DD	SW8270D (SIM)
Phenanthrene	0.07	0.05	ug/L	1	12/21/15	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	79		%	1	12/21/15	DD	30 - 130 %
% Nitrobenzene-d5	70		%	1	12/21/15	DD	30 - 130 %
% Terphenyl-d14	91		%	1	12/21/15	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

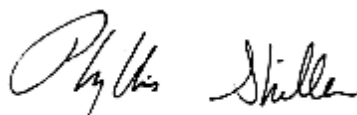
Volatile Comment:

Elevated reporting limits due to the foamy nature of the sample.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis/Shiller, Laboratory Director

December 22, 2015

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS, GW

GBK41220 - HYDROBRO

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK41220	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	42.9	0.36	30		mg/Kg
BK41221	\$8260SMRNY	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	850	790	260	260	ug/Kg
BK41221	\$8260SMRNY	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	790	210	210	ug/Kg
BK41221	\$8260SMRNY	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	20	20	ug/Kg
BK41221	\$8260SMRNY	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	470	470	ug/Kg
BK41221	\$8260SMRNY	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	190	190	ug/Kg
BK41221	\$8260SMRNY	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	700	700	ug/Kg
BK41221	\$8260SMRNY	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	50	50	ug/Kg
BK41221	\$8260SMRNY	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	930	930	ug/Kg
BK41221	\$8260SMRNY	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3900	120	120	ug/Kg
BK41221	\$8260SMRNY	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	270	270	ug/Kg
BK41221	\$8260SMRNY	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	370	370	ug/Kg
BK41221	\$8260SMRNY	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	760	760	ug/Kg
BK41221	\$8260SMRNY	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	60	60	ug/Kg
BK41221	\$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3900	50	50	ug/Kg
BK41221	\$8260SMRNY	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	20	20	ug/Kg
BK41221	\$8260SMRNY	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	330	330	ug/Kg
BK41221	\$8260SMRNY	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	680	680	ug/Kg
BK41221	\$8260SMRNY	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	790	250	250	ug/Kg
BK41221	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	52.2	0.44	30		mg/Kg
BK41221	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	33.4	0.44	30	30	mg/Kg
BK41222	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	7200	1300	5600	5600	ug/Kg
BK41222	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	11000	1300	5600	5600	ug/Kg
BK41222	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	ND	1300	560	560	ug/Kg
BK41222	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	11000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	16000	1300	5600	5600	ug/Kg
BK41222	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	16000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	330	330	ug/Kg
BK41222	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	7200	1300	500	500	ug/Kg
BK41222	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	11000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Benzo(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	11000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	15000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	11000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	330	330	ug/Kg
BK41222	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	15000	1300	3900	3900	ug/Kg
BK41222	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	7200	1300	500	500	ug/Kg
BK41222	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	11000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	11000	1300	3900	3900	ug/Kg
BK41222	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	16000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	11000	1300	1000	1000	ug/Kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS, GW

GBK41220 - HYDROBRO

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK41222	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	15000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	16000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BK41222	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	1300	1000	1000	ug/Kg
BK41222	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7200	1300	500	500	ug/Kg
BK41222	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	1300	800	800	ug/Kg
BK41222	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	2.77	0.36	2.5	2.5	mg/Kg
BK41222	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	2.77	0.36	2.5	2.5	mg/Kg
BK41222	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	100	0.36	50	50	mg/kg
BK41222	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.29	0.03	0.18	0.18	mg/Kg
BK41222	PB-SM	Lead	NY / 375-6.8 Metals / Residential	502	3.6	400	400	mg/Kg
BK41222	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	502	3.6	400	400	mg/Kg
BK41222	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	502	3.6	63	63	mg/Kg
BK41222	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	387	3.6	109	109	mg/Kg
BK41223	\$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	130	25	50	50	ug/Kg
BK41223	\$BN-SMR	Dibenzofuran	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	14000	7000	7000	ug/Kg
BK41223	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	ND	14000	5600	5600	ug/Kg
BK41223	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	ND	14000	5600	5600	ug/Kg
BK41223	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	ND	14000	560	560	ug/Kg
BK41223	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	ND	14000	5600	5600	ug/Kg
BK41223	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	14000	500	500	ug/Kg
BK41223	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	14000	330	330	ug/Kg
BK41223	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	14000	500	500	ug/Kg
BK41223	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	14000	3900	3900	ug/Kg
BK41223	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	14000	3900	3900	ug/Kg
BK41223	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	14000	330	330	ug/Kg
BK41223	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	14000	500	500	ug/Kg
BK41223	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	14000	330	330	ug/Kg
BK41223	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	14000	1000	1000	ug/Kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS, GW

GBK41220 - HYDROBRO

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK41223	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	14000	1000	1000	ug/Kg
BK41223	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	14000	800	800	ug/Kg
BK41223	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	6.92	0.38	2.5	2.5	mg/Kg
BK41223	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	6.92	0.38	4.3	4.3	mg/Kg
BK41223	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	6.92	0.38	2.5	2.5	mg/Kg
BK41223	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	51.9	0.38	30		mg/Kg
BK41223	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	200	3.8	50	50	mg/kg
BK41223	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.44	0.03	0.18	0.18	mg/Kg
BK41223	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	44.8	0.38	30	30	mg/Kg
BK41223	PB-SM	Lead	NY / 375-6.8 Metals / Residential	516	3.8	400	400	mg/Kg
BK41223	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	516	3.8	400	400	mg/Kg
BK41223	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	516	3.8	63	63	mg/Kg
BK41223	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1500	3.8	109	109	mg/Kg
BK41224	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	14000	2900	5600	5600	ug/Kg
BK41224	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	20000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	2900	2900	560	560	ug/Kg
BK41224	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	18000	2900	5600	5600	ug/Kg
BK41224	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	19000	2900	5600	5600	ug/Kg
BK41224	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	20000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	20000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	14000	2900	500	500	ug/Kg
BK41224	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	18000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	2900	2900	330	330	ug/Kg
BK41224	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	15000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	19000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	14000	2900	500	500	ug/Kg
BK41224	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	2900	330	330	ug/Kg
BK41224	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	20000	2900	3900	3900	ug/Kg
BK41224	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	15000	2900	3900	3900	ug/Kg
BK41224	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	18000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	19000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	20000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	19000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	15000	2900	800	800	ug/Kg
BK41224	\$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	18000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	2900	330	330	ug/Kg
BK41224	\$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	20000	2900	1000	1000	ug/Kg
BK41224	\$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	14000	2900	500	500	ug/Kg
BK41224	\$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	20000	2900	1000	1000	ug/Kg
BK41224	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	34.8	0.8	16	16	mg/Kg
BK41224	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	34.8	0.8	16	16	mg/Kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS, GW

GBK41220 - HYDROBRO

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK41224	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	34.8	0.8	16	16	mg/Kg
BK41224	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	34.8	0.8	13	13	mg/Kg
BK41224	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	5.98	0.42	2.5	2.5	mg/Kg
BK41224	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	5.98	0.42	4.3	4.3	mg/Kg
BK41224	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	5.98	0.42	2.5	2.5	mg/Kg
BK41224	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	33.2	0.42	30		mg/Kg
BK41224	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	616	4.2	270	270	mg/kg
BK41224	CU-SM	Copper	NY / 375-6.8 Metals / Residential	616	4.2	270	270	mg/kg
BK41224	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	616	4.2	270	270	mg/kg
BK41224	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	616	4.2	50	50	mg/kg
BK41224	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	4.24	0.31	2.8	2.8	mg/Kg
BK41224	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	4.24	0.31	0.81	0.81	mg/Kg
BK41224	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	4.24	0.31	0.81	0.81	mg/Kg
BK41224	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	4.24	0.31	0.18	0.18	mg/Kg
BK41224	PB-SM	Lead	NY / 375-6.8 Metals / Commercial	1730	42	1000	1000	mg/Kg
BK41224	PB-SM	Lead	NY / 375-6.8 Metals / Residential	1730	42	400	400	mg/Kg
BK41224	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	1730	42	400	400	mg/Kg
BK41224	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1730	42	63	63	mg/Kg
BK41224	ZN-SM	Zinc	NY / 375-6.8 Metals / Residential	4910	42	2200	2200	mg/Kg
BK41224	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	4910	42	109	109	mg/Kg
BK41225	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.63	0.03	0.18	0.18	mg/Kg
BK41225	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	356	3.6	63	63	mg/Kg
BK41226	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK41226	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK41226	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK41226	\$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41226	\$BNWM-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41226	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	125	0.10	0.1	0.1	mg/L
BK41226	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	1.48	0.002	1	1	mg/L
BK41226	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.006	0.001	0.003	0.003	mg/L
BK41226	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.007	0.001	0.005	0.005	mg/L

Sample Criteria Exceedences Report

GBK41220 - HYDROBRO

Criteria: NY: 375, 375NR, 375RRS, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK41226	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.454	0.001	0.05	0.05	mg/L
BK41226	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	1.02	0.005	0.2	0.2	mg/L
BK41226	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.169	0.011	0.1	0.1	mg/L
BK41226	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	6.00	0.011	0.3	0.3	mg/L
BK41226	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	45.3	0.01	35	35	mg/L
BK41226	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.653	0.001	0.3	0.3	mg/L
BK41226	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	302	1.1	20	20	mg/L
BK41226	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	208	0.10	0.3	0.3	mg/L
BK41226	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	73.7	0.01	35	35	mg/L
BK41226	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	2.71	0.010	0.3	0.3	mg/L
BK41226	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	314	1.0	20	20	mg/L
BK41226	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.377	0.001	0.1	0.1	mg/L
BK41226	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.133	0.002	0.025	0.025	mg/L
BK41227	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK41227	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK41227	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK41227	\$BNWM-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	0.43	0.4	0.4	ug/L
BK41227	\$BNWM-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41227	\$BNWM-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41227	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	144	0.10	0.1	0.1	mg/L
BK41227	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	2.30	0.002	1	1	mg/L
BK41227	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.004	0.001	0.003	0.003	mg/L
BK41227	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.006	0.001	0.005	0.005	mg/L
BK41227	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.327	0.001	0.05	0.05	mg/L
BK41227	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	0.425	0.005	0.2	0.2	mg/L
BK41227	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.126	0.011	0.1	0.1	mg/L
BK41227	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.674	0.001	0.3	0.3	mg/L
BK41227	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	101	1.1	20	20	mg/L
BK41227	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	191	0.10	0.3	0.3	mg/L
BK41227	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	69.9	0.01	35	35	mg/L
BK41227	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	16.3	0.010	0.3	0.3	mg/L
BK41227	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	99.0	1.0	20	20	mg/L

Sample Criteria Exceedences Report

GBK41220 - HYDROBRO

Criteria: NY: 375, 375NR, 375RRS, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK41227	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.252	0.001	0.1	0.1	mg/L
BK41227	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.101	0.002	0.025	0.025	mg/L
BK41228	\$8260GWR	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	1.4	0.7	0.7	ug/L
BK41228	\$8260GWR	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK41228	\$8260GWR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.80	0.4	0.4	ug/L
BK41228	\$8260GWR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.80	0.4	0.4	ug/L
BK41228	\$8260GWR	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	1.4	1	1	ug/L
BK41228	\$8260GWR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.2	0.6	0.6	ug/L
BK41228	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.0006	0.0006	ug/L
BK41228	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.04	0.04	ug/L
BK41228	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.04	0.04	ug/L
BK41228	\$8260GWR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	1	1	ug/L
BK41228	\$8260GWR	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK41228	\$8260GWR	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	1	1	ug/L
BK41228	\$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BK41228	\$BNWM-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK41228	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	137	0.10	0.1	0.1	mg/L
BK41228	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.048	0.004	0.025	0.025	mg/L
BK41228	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.005	0.001	0.003	0.003	mg/L
BK41228	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.016	0.001	0.005	0.005	mg/L
BK41228	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.293	0.001	0.05	0.05	mg/L
BK41228	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	0.812	0.005	0.2	0.2	mg/L
BK41228	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	11.9	0.011	0.3	0.3	mg/L
BK41228	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	48.9	0.01	35	35	mg/L
BK41228	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	9.83	0.011	0.3	0.3	mg/L
BK41228	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	185	1.1	20	20	mg/L
BK41228	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	648	0.10	0.3	0.3	mg/L
BK41228	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	71.0	0.01	35	35	mg/L
BK41228	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	15.9	0.010	0.3	0.3	mg/L
BK41228	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	176	1.0	20	20	mg/L
BK41228	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.303	0.001	0.1	0.1	mg/L
BK41228	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.299	0.002	0.025	0.025	mg/L

Sample Criteria Exceedences Report
GBK41220 - HYDROBRO

Criteria: NY: 375, 375NR, 375RRS, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

