GeoEngineers
Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

November 21, 2012

Acorn Development, LLC
c/o Seneca Group
1191 Second Avenue, Suite 1500
Seattle, Washington 98101

Attention: John Schoettler

Subject: Phase II ESA
2210 7th Avenue, Lot 3
Seattle, Washington
File No. 20434-001-11

INTRODUCTION

This report presents the results of GeoEngineers' Phase II Environmental Site Assessment (ESA) completed during October 2012 for Lot 3, Block 21 in the Denny Triangle Neighborhood in Seattle, Washington, herein referred to as "the site." Lot 3 is a surface parking lot and is located on the west-central portion of Block 21 bounded by Blanchard and Bell Streets and 7th and 8th Avenues. The site address is 2210 7th Avenue. The site is shown relative to existing features in the Vicinity Map, Figure 1. The approximate locations of the two shallow borings completed on the Block are shown on the Site Plan, Figure 2. This Phase II ESA (soil testing) was warranted based on a Phase I ESA completed for the site by GeoEngineers. The report is entitled "Phase I Environmental Site Assessment, 2210 7th Avenue (Lot 3)" dated November 2, 2012. The Phase I ESA concluded that:

- "The subject property is located in the vicinity of the Denny Regrade, which may have included the placement of fill material on the Lot 3 Subject property. Subsurface investigation at nearby properties confirmed the presence of fill material widespread in the area. Some isolated fill soil samples from nearby explorations contained detectable concentrations of petroleum hydrocarbons and PAHs. Therefore it is possible that similarly impacted fill soils may be located at the subject property."

The study also recognized that it was possible that historic underground storage tanks may be present on, or near, the site. Additionally, auto sales and repair and fueling occurred on the parcels to the south (current Budget Rent A Car facility).

SOIL SAMPLING AND CHEMICAL ANALYTICAL RESULTS

GeoEngineers obtained soil samples from two shallow borings within the asphalt parking lot of Lot 3 on October 8, 2012 for geologic description, field screening and possible chemical analysis. Soil samples from each boring were visually classified in general accordance with the ASTM International (ASTM) Standard Practices D 2488, see attached boring logs in Appendix A. Field screening methods consisted of visual, water sheen and headspace vapor screening methods using a photoionization detector (PID). Two direct push borings (B21-11 and B21-12) were completed to depths of approximately 20 feet below the ground surface and two soil samples were obtained from each boring for chemical analytical testing. Field screening evidence of petroleum contamination was not observed in the soil samples. The approximate locations of the direct push borings are shown in the Site Plan, Figure 2.

Four discrete soil samples (B21-11-2.5, B21-11-10.0, B21-12-5.0 and B21-12-17.5) were submitted for chemical analysis or one or more of the following (the last number in the sample name represents the depth below ground surface):

- Gasoline-range petroleum hydrocarbons using Northwest Method NWTPH-Gx;
- Diesel- and heavy oil-range petroleum hydrocarbons using Northwest Method NWTPH-Dx;
- Resource Conservation and Recovery Act (RCRA) 8 Metals using EPA Methods 6000/7000 Series;
- Polycyclic aromatic hydrocarbons (PAHs) using EPA Method 8270D; and,
- Volatile organic compounds (VOCs) using EPA Method 8260B.

Soil samples were submitted to Fremont Analytical (Fremont) in Seattle, Washington for chemical analytical testing.

Contaminants of concern were not detected and/or were similar to the state background metals concentrations in each of the soil samples submitted for chemical analysis from fill and native soil samples obtained on Lot 3.

Chemical analytical results are summarized in Table 1 and the laboratory report is attached in Appendix B.

LIMITATIONS

This study has been prepared for use by Acorn Development, LLC and their authorized affiliates. GeoEngineers has performed this Phase II ESA of the Lot 3 property at 2210 7th Avenue in Seattle, Washington in general accordance with the scope and limitations of our proposal dated September 7, 2012. Within the limitations of scope, schedule and budget, our services have been executed in accordance with the generally accepted environmental science practices in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood. Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

Please call if you require more information or have questions regarding this report.

Sincerely,
GeoEngineers, Inc.

Chris T. Brown
Environmental Geologist

David A. Cook, LG, CPG
Principal

State of Washington 346 Licensed Geologist David A. Cook

CTB:DAC:lw:cje

Attachments:

Table 1. Soil Field Screening and Chemical Analytical Data (Petroleum Hydrocarbons, PAHs, VOCs and Metals)

Figure 1. Vicinity Map

Figure 2. Site Plan

Appendix A. Field Explorations

Figures A-1 – Key to Exploration Logs

Figures A-2 through A-3 – Log of Borings

Appendix B. Chemical Analytical Program

Chemical Analytical Data

Weight Disposal Ticket

cc: Amy Worthington @ Seneca Group
Keith Moxon @ GordonDerr LLP

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

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Table 1

Soil Field Screening and Chemical Analytical Data (Petroleum Hydrocarbons and Metals)

2210 7th Avenue (Lot 3)

Seattle, Washington

GeoEngineers File No. 20434-001-11

Exploration Location[1]	Sample ID	Depth (feet bgs)	Location of Sample Relative to Fill/Native Soil and Groundwater	Field Screening[2]		Petroleum Hydrocarbons (mg/kg)			RCRA 8 Metals[3] (mg/kg)								cPAHs (mg/kg)		VOCs[4] (mg/kg)
				Sheen	Headspace (ppm)	Gasoline Range[5]	Diesel Range[6]	Heavy Oil Range[6]	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury	Non-Carcinogenic[7]	Carcinogenic[8]	
Block 21																			
Direct-Push Borings Completed October 8, 2012																			
B21-11	B21-11-2.5	2.5	Fill	ns	<1	<4.82	<21.9	<54.8	**4.82**	**118**	<0.155	**52.7**	**16.2**	<0.387	<0.0775	<0.271	**nd**	**nd**	**nd**
	B21-11-10.0	10	Native	ns	<1	<6.21	<27.8	<69.4	**4.29**	**180**	<0.193	**92.7**	**5.77**	<0.482	<0.0965	<0.341	**nd**	**nd**	**nd**
B21-12	B21-12-5.0	5	Fill	ns	<1	<5.65	<23.4	<58.4	**5.48**	**119**	<0.170	**49.6**	**4.42**	<0.426	<0.0851	<0.315	**nd**	**nd**	**nd**
	B21-12-17.5	17.5	Native	ns	<1	<4.80	<20.2	<50.4	**1.45**	**39**	<0.155	**26.6**	**1.63**	<0.387	<0.0774	<0.229	**nd**	**nd**	**nd**
MTCA Method A or B Cleanup Level for Unrestricted Land Use						30/100[9]	2,000	2,000	20	16,000	2	2,000[10]	250	400	400	2	varies	100	varies

Notes:

[1]Approximate exploration locations shown on the attached figure. Chemical analytical testing by Fremont Analytical in Seattle, Washington. Samples were obtained October 8, 2012.

[2]Field screening methods are described in Appendix A.

[3]Total metals analyzed by EPA 6010B/7471A.

[4]Volatile organic compounds (VOCs) and benzene (B), ethylbenzene (E), toluene (T) and total xylenes (X) analyzed by EPA Method 8260B. For VOCs, only detected compounds are presented in the table. See laboratory report in Appendix B for the full list of compounds analyzed and detection limits.

[5]Gasoline-range hydrocarbons analyzed by petroleum hydrocarbon identification using Northwest Method NWTPH-HCID.

[6]Diesel- and heavy oil-range hydrocarbons analyzed by Northwest Method NWTPH-Dx Extended with a silica gel cleanup or petroleum hydrocarbon identification using Northwest Method NWTPH-HCID.

[7]Polycyclic aromatic hydrocarbons (PAHs) analyzed by EPA Method 8270D/SIM. See the laboratory report in Appendix B for the full list of compounds analyzed.

[8]Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) analyzed by EPA Method 8270D/SIM. Total cPAHs calculated using the toxicity equivalency (TEQ) methodology specified in WAC 173-340-780(8). cPAHs that were not detected were assigned half the value of the detection limit for these calculations.

[9]When benzene is present, the gasoline range cleanup level is 30 mg/kg. When benzene is not present the gasoline range cleanup level is 100 mg/kg.

[10]Cleanup level for Chromium III. The published Background Soil Metals Concentration for Chromium is 42 mg/kg.

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

ns = no sheen, ss = slight sheen, ms = moderate sheen

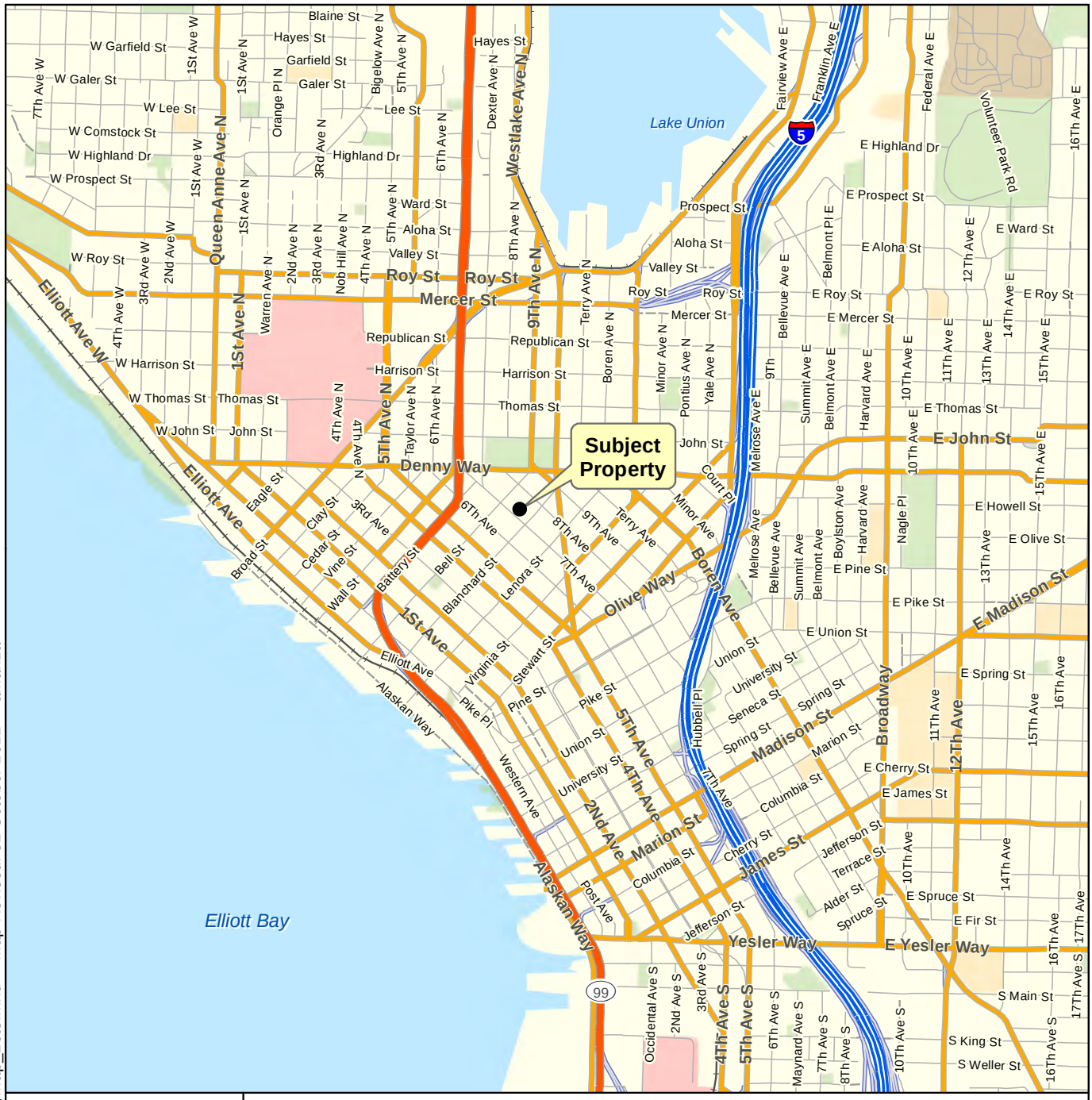
Bolding indicates analyte was detected.

bgs = below ground surface

-- = not tested

ne = not established

sp/2043400111/Block 21 Lot 3 Table.xlsx



Notes:
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
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Data Sources: ESRI Data & Maps

Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Vicinity Map
Block 21 Lot 3

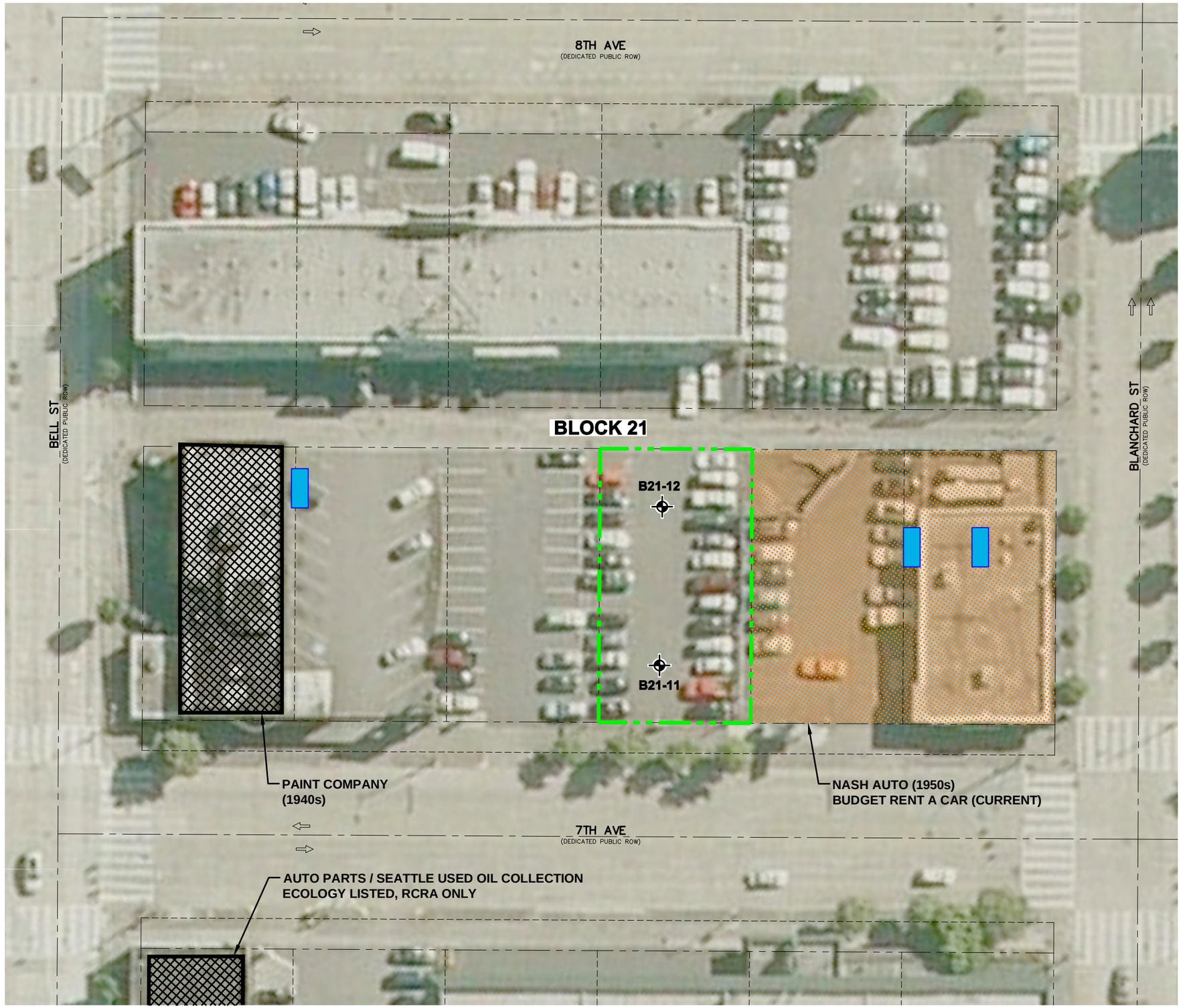
2210 7th Avenue
Seattle, Washington

GeoEngineers

Figure 1

Path: \\sea\projects\20\20434001\GIS\20434001l1_VicinityMap_Lot3.mxd Map Revised: 31 October 2012 amanza

P:\20\20434001\CAD\11\LOT 3 PHASE I ESA\20434001-11 LOT 3 SITE PLAN.DWG\TAB:FIG 2 MODIFIED BY TMICHAUD ON OCT 31, 2012 - 10:51



Legend

- B21-11 — Direct Push Boring by GeoEngineers
- Subject Property Boundary
- Historical Auto Repair Building Footprint
- Possible or Known Former UST Area
- Other Use of Potential Concern as Indicated

N E S W

40 0 40
FEET

Notes

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Site survey CAD file "XS-SUR.dwg" provided by Bush, Roed & Hitchings , Inc., dated March 2012. Aerial photo from Aerial Express, 2009.

Site Plan

2210 7th Avenue
Seattle, Washington

GeoEngineers | **Figure 2**

APPENDIX A
Field Explorations

APPENDIX A
FIELD EXPLORATIONS

Underground Utility Locate

Prior to drilling activities, an underground utility locate was conducted in the area of the proposed boring locations to identify any subsurface utilities and/or potential underground physical hazards. An underground utility check consisting of contacting a local utility alert service and a private utility locating service was also performed.

Soil Sampling

Soil samples were obtained from power borings advanced using two methods:

- A truck-mounted direct-push drilling equipment operated by Cascade Drilling of Woodinville, Washington. Direct push drilling was conducted in general accordance with Washington Administrative Code (WAC) 173-760 by a Washington state licensed drilling company. Continuous soil cores were obtained from the direct-push borings using 1.5-inch diameter, 5-foot long stainless steel sampler rods driven with a pneumatic hammer. Soil samples were collected in clean, plastic 1.5-inch diameter disposable liners. The liners were placed inside the sampling rod and then hydraulically driven or pushed into the soil at the selected sampling depth.

A representative from our staff classified the soil encountered in each of the borings. Soil in the explorations was visually classified in general accordance with ASTM D 2488-94. The boring logs are presented in Figures A-2 and A-3.

The sampling equipment was decontaminated before each sampling attempt with a Liqui-Nox® solution wash and a distilled water rinse. Soil samples were obtained for field screening and possible chemical analysis. Soil samples obtained during the exploration activities were collected from the sampler with a stainless steel knife or new gloves. A portion of each sample was placed in laboratory-prepared sample jars for possible chemical analysis. The remaining portion of each sample was used for field screening. The sampling equipment was decontaminated prior to each use with a Liqui-Nox® soap solution, a tap water initial rinse and a distilled water final rinse.

At least one sample from each boring was selected for chemical analysis, based on criteria described in the report above. Samples submitted for chemical analysis are shown in table 1. The soil samples were placed in a cooler with ice for transport to the laboratory. Standard chain-of-custody procedures were followed in transporting the soil samples to the laboratory.

Field Screening of Soil Samples

Soil samples obtained from the borings were screened in the field for evidence of contamination using: 1) visual examination; 2) sheen screening; and/or 3) or photo-ionization detector (PID). The results of headspace and sheen screening are included in the boring logs and in Table 1 for soil samples tested by chemical analysis.

Visual screening consists of inspecting the soil for stains indicative of petroleum-related contamination. Visual screening is generally more effective when contamination is related to heavy petroleum hydrocarbons, such as motor oil or hydraulic oil, or when hydrocarbon concentrations are high. Sheen

screening and headspace vapor screening are more sensitive methods that have been effective in detecting contamination at concentrations less than regulatory cleanup guidelines. Sheen screening involves placing soil in a pan of water and observing the water surface for signs of sheen. Sheen classifications are as follows:

No Sheen (NS)	No visible sheen on water surface.
Slight Sheen (SS)	Light, colorless, dull sheen; spread is irregular, not rapid; sheen dissipates rapidly.
Moderate Sheen (MS)	Light to heavy sheen, may have some color/iridescence; spread is irregular to flowing; few remaining areas of no sheen on water surface.
Heavy Sheen (HS)	Heavy sheen with color/iridescence; spread is rapid; entire water surface may be covered with sheen.

Headspace vapor screening involves placing a soil sample in a plastic sample bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a PID is inserted in the bag and the instrument measures the concentration of combustible vapor in the air removed from the sample headspace. The PID measures concentrations in ppm (parts per million) and is calibrated to isobutylene. The PID is designed to quantify combustible gas and organic vapor concentrations up to 2,500 ppm. Field screening results are site-specific and vary with soil type, soil moisture content, temperature and type of contaminant.

Investigative Waste Disposal

Drill cuttings and decontamination water generated during drilling activities was temporarily stored on site in a labeled 55-gallon drum and was removed from the site at the end of the day. The drum was picked up by Aqua Clean and transported to CEMEX, a soil disposal facility in Everett, Washington for permitted disposal. Copy of the waste disposal ticket is included in this appendix.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS
				SP	POORLY-GRADED SANDS, GRAVELLY SAND
	MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
	AC	Asphalt Concrete
	CC	Cement Concrete
	CR	Crushed Rock/ Quarry Spalls
	TS	Topsoil/ Forest Duff/Sod

Groundwater Contact

- **Measured groundwater level in exploration, well, or piezometer**
- **Groundwater observed at time of exploration**
- **Perched water observed at time of exploration**
- **Measured free product in well or piezometer**

Graphic Log Contact

- **Distinct contact between soil strata or geologic units**
- **Approximate location of soil strata change within a geologic soil unit**

Material Description Contact

- **Distinct contact between soil strata or geologic units**
- **Approximate location of soil strata change within a geologic soil unit**

Sampler Symbol Descriptions

- **2.4-inch I.D. split barrel**
- **Standard Penetration Test (SPT)**
- **Shelby tube**
- **Piston**
- **Direct-Push**
- **Bulk or grab**

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

A "P" indicates sampler pushed using the weight of the drill rig.

Laboratory / Field Tests

%F	Percent fines
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
OC	Organic content
PM	Permeability or hydraulic conductivity
PP	Pocket penetrometer
PPM	Parts per million
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen
NT	Not Tested

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

KEY TO EXPLORATION LOGS

GeoEngineers

FIGURE A-1

Drilled Start 10/8/2012 End 10/8/2012	Total Depth (ft) 20	Logged By CDLV Checked By CTB	Driller Cascade Drilling, L.P.	Drilling Method Direct Push
Surface Elevation (ft) 102 Vertical Datum NAVD88		Hammer Data Not applicable		Drilling Equipment GeoProbe 7730 DT
Easting (X) Northing (Y)		System Datum		Groundwater Date Measured / Depth to Water (ft) / Elevation (ft): Not encountered

Notes: Elevations based on LiDAR contour data from Puget Sound LiDAR Consortium, 2009

Elevation (feet)	Depth (feet)	FIELD DATA: Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
100	0		48						AC	2 inches asphalt concrete			
									CR	1 inch crushed rock base course			
									SM	Brown silty fine to medium sand with occasional gravel (medium dense, moist) (fill)			
						1					NS	<1	
									ML	Brown silt (stiff, moist) (recent deposits)			
95	5		60			2					NS	<1	
						3				Occasional gravel	NS	<1	
	10		60			4				Grades to gray	NS	<1	
90						5			SM	Gray-brown silty fine to medium sand (medium dense, moist)	NS	<1	
									ML	Brown-gray silt (very stiff, moist) (orange staining)			
	15		60			6			SM	Gray-brown silty fine to medium sand with occasional gravel (dense, moist) (cohesionless sand and gravel)	NS	<1	
85						7					NS	<1	
	20					8					NS	<1	
										Refusal at 20 feet bgs			

Note: See Figure A-1 for explanation of symbols.

Log of Direct Push B21-11

GeoEngineers

Project: 2210 7th Avenue (Lot 3)
Project Location: Seattle, Washington
Project Number: 20434-001-11

Figure A-2
Sheet 1 of 1

Seattle: Date:11/1/12 Path:C:\USERS\CVOSS\DESKTOP\20434001.GPJ DBTemplate\LibTemplate:GEOENGINEERS8.GDT/GEI8_ENVIRONMENTAL_STANDARD

Drilled	Start 10/8/2012	End 10/8/2012	Total Depth (ft) 20	Logged By CDLV / Checked By CTB	Driller Cascade Drilling, L.P.	Drilling Method Direct Push
Surface Elevation (ft) 98 / Vertical Datum NAVD88			Hammer Data Not applicable		Drilling Equipment GeoProbe 7730 DT	
Easting (X) / Northing (Y)			System Datum		Groundwater: Date Measured / Depth to Water (ft) / Elevation (ft)	
Notes: Elevations based on LiDAR contour data from Puget Sound LiDAR Consortium, 2009					Not encountered	

Elevation (feet)	Depth (feet)	FIELD DATA: Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name / Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
95	0		48			1			AC	2 inches asphalt concrete			
									CR	1 inch crushed rock base course			
									ML	Brown/dark gray silt with sand (stiff, moist) (fill)	NS	<1	
									CC	Concrete from 4 to 4.5 feet			
90	5		60			2			ML	Brown silt with sand (stiff, moist) (recent deposits)	NS	<1	
									SP-SM	Brown fine to medium sand with silt and occasional gravel (medium dense, moist)			
	10		60			3					NS	<1	
85						5			SM	Brown silty fine to medium sand (medium dense, moist)	NS	<1	
	15		60			4					NS	<1	
80						6					NS	<1	
	20					7					NS	<1	

Refusal at 20 feet bgs

Note: See Figure A-1 for explanation of symbols.

Log of Direct Push B21-12

GeoEngineers

Project: 2210 7th Avenue (Lot 3)
Project Location: Seattle, Washington
Project Number: 20434-001-11

Figure A-3
Sheet 1 of 1

Seattle: Date:11/1/12 Path:C:\USERS\CVOSS\DESKTOP\20434001.GPJ DBTemplate\LibTemplate:GEOENGINEERS8.GDT/GEI8_ENVIRONMENTAL_STANDARD

APPENDIX B
Chemical Analytical Program

APPENDIX B
CHEMICAL ANALYTICAL PROGRAM

Analytical Methods

Chain-of-custody procedures were followed during the transport of the field samples to the analytical laboratory (Fremont Analytical of Seattle, Washington). The samples were held in cold storage pending extraction and/or analysis. The analytical results, analytical methods reference and laboratory quality control (QC) records are included in this appendix. The analytical results are also summarized in the text and tables of this report.

Analytical Data Review

The laboratory maintains an internal quality assurance program as documented in its laboratory quality assurance manual. The laboratory uses a combination of blanks, surrogate recoveries, duplicates, matrix spike recoveries, matrix spike duplicate recoveries, blank spike recoveries and blank spike duplicate recoveries to evaluate the validity of the analytical results. The laboratory also uses data quality goals for individual chemicals or groups of chemicals based on the long-term performance of the test methods. The data quality goals were included in the laboratory reports. The laboratory compared each group of samples with the existing data quality goals and noted any exceptions in the laboratory report. Data quality exceptions documented by the accredited laboratory were reviewed by GeoEngineers and are addressed in the data quality exception section of this appendix.

Analytical Data Review Summary

No data quality exceptions were noted during our review of the analytical data reports provided to us by the laboratory. Based on review of the analytical data, and with these qualifiers, it is our opinion that the analytical data are of acceptable quality for their intended use.

1311 N. 35th St
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

GeoEngineers, Inc. – Redmond
Chris Brown
8410 154th Ave. NE
Redmond, Washington 98052

RE: Block 21 Lot 3
Lab ID: 1210020

October 26, 2012

Attention Chris Brown:

Fremont Analytical, Inc. received 4 sample(s) on 10/15/2012 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Mercury by EPA Method 7471
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020
Volatile Organic Compounds by EPA Method 8260

This report consists of the following:

- Case Narrative
- Analytical Results

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee
Sr. Chemist / Principal

Case Narrative

WO#: **1210020**
Date: **10/26/2012**

CLIENT: GeoEngineers, Inc. - Redmond
Project: Block 21 Lot 3

I. SAMPLE RECEIPT:
All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 9:50:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-097
Matrix: Soil
Client Sample ID: B21-11-2.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3445		Analyst: BR
Diesel (Fuel Oil)	ND	21.9		mg/Kg-dry	1	10/17/2012 7:58:00 PM
Heavy Oil	ND	54.8		mg/Kg-dry	1	10/17/2012 7:58:00 PM
Surr: 2-Fluorobiphenyl	97.3	50-150		%REC	1	10/17/2012 7:58:00 PM
Surr: o-Terphenyl	90.9	50-150		%REC	1	10/17/2012 7:58:00 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 3447		Analyst: PH
Naphthalene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
2-Methylnaphthalene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
1-Methylnaphthalene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Acenaphthylene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Acenaphthene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Fluorene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Phenanthrene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Anthracene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Fluoranthene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Pyrene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Benz(a)anthracene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Chrysene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Benzo(b)fluoranthene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Benzo(k)fluoranthene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Benzo(a)pyrene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Indeno(1,2,3-cd)pyrene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Dibenz(a,h)anthracene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Benzo(g,h,i)perylene	ND	52.0		µg/Kg-dry	1	10/18/2012 9:55:00 PM
Surr: 2-Fluorobiphenyl	72.4	50.4-142		%REC	1	10/18/2012 9:55:00 PM
Surr: Terphenyl-d14 (surr)	85.0	48.8-157		%REC	1	10/18/2012 9:55:00 PM
Gasoline by NWTPH-Gx				Batch ID: R6222		Analyst: EM
Gasoline	ND	4.82		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Surr: 1,2-Dichloroethane-d4	109	65-135		%REC	1	10/16/2012 10:56:00 AM
Surr: Fluorobenzene	101	65-135		%REC	1	10/16/2012 10:56:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 9:50:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-097
Matrix: Soil
Client Sample ID: B21-11-2.5

Volatile Organic Compounds by EPA Method 8260

Batch ID: 3439 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0578		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Chloromethane	ND	0.0578		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Vinyl chloride	ND	0.00193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Bromomethane	ND	0.0867		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0482		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Chloroethane	ND	0.0578		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,1-Dichloroethene	ND	0.0482		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Methylene chloride	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
trans-1,2-Dichloroethene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0482		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,1-Dichloroethane	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
2,2-Dichloropropane	ND	0.0482		mg/Kg-dry	1	10/16/2012 10:56:00 AM
cis-1,2-Dichloroethene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Chloroform	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,1-Dichloropropene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Carbon tetrachloride	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2-Dichloroethane	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Benzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Trichloroethene (TCE)	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2-Dichloropropane	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Bromodichloromethane	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Dibromomethane	ND	0.0385		mg/Kg-dry	1	10/16/2012 10:56:00 AM
cis-1,3-Dichloropropene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Toluene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
trans-1,3-Dichloropropene	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,1,2-Trichloroethane	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,3-Dichloropropane	ND	0.0482		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Tetrachloroethene (PCE)	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Dibromochloromethane	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2-Dibromoethane (EDB)	ND	0.00482		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Chlorobenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Ethylbenzene	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
m,p-Xylene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 9:50:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-097
Matrix: Soil
Client Sample ID: B21-11-2.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3439		Analyst: EM
o-Xylene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Styrene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Isopropylbenzene	ND	0.0771		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Bromoform	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
n-Propylbenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Bromobenzene	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,3,5-Trimethylbenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
2-Chlorotoluene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
4-Chlorotoluene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
tert-Butylbenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2,3-Trichloropropane	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2,4-Trichlorobenzene	ND	0.0482		mg/Kg-dry	1	10/16/2012 10:56:00 AM
sec-Butylbenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
4-Isopropyltoluene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,3-Dichlorobenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,4-Dichlorobenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
n-Butylbenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2-Dichlorobenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2,4-Trimethylbenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Hexachlorobutadiene	ND	0.0963		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Naphthalene	ND	0.0289		mg/Kg-dry	1	10/16/2012 10:56:00 AM
1,2,3-Trichlorobenzene	ND	0.0193		mg/Kg-dry	1	10/16/2012 10:56:00 AM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	10/16/2012 10:56:00 AM
Surr: Dibromofluoromethane	98.4	67.6-119		%REC	1	10/16/2012 10:56:00 AM
Surr: Toluene-d8	100	78.5-126		%REC	1	10/16/2012 10:56:00 AM
Total Metals by EPA Method 6020				Batch ID: 3449		Analyst: SG
Arsenic	4.82	0.0775		mg/Kg-dry	1	10/17/2012 12:28:23 AM
Barium	118	0.387		mg/Kg-dry	1	10/17/2012 12:28:23 AM
Cadmium	ND	0.155		mg/Kg-dry	1	10/17/2012 12:28:23 AM
Chromium	52.7	0.0775		mg/Kg-dry	1	10/17/2012 12:28:23 AM
Lead	16.2	0.155		mg/Kg-dry	1	10/17/2012 12:28:23 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 9:50:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-097
Matrix: Soil
Client Sample ID: B21-11-2.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 3449		Analyst: SG
Selenium	ND	0.387		mg/Kg-dry	1	10/17/2012 12:28:23 AM
Silver	ND	0.0775		mg/Kg-dry	1	10/17/2012 12:28:23 AM
Mercury by EPA Method 7471				Batch ID: 3456		Analyst: MC
Mercury	ND	0.271		mg/Kg-dry	1	10/18/2012 11:57:57 AM
Sample Moisture (Percent Moisture)				Batch ID: R6156		Analyst: CM
Percent Moisture	16.2			wt%	1	10/16/2012 10:35:24 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 10:00:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-100
Matrix: Soil
Client Sample ID: B21-11-10.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3445		Analyst: BR
Diesel (Fuel Oil)	ND	27.8		mg/Kg-dry	1	10/17/2012 8:25:00 PM
Heavy Oil	ND	69.4		mg/Kg-dry	1	10/17/2012 8:25:00 PM
Surr: 2-Fluorobiphenyl	98.2	50-150		%REC	1	10/17/2012 8:25:00 PM
Surr: o-Terphenyl	92.4	50-150		%REC	1	10/17/2012 8:25:00 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 3447		Analyst: PH
Naphthalene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
2-Methylnaphthalene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
1-Methylnaphthalene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Acenaphthylene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Acenaphthene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Fluorene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Phenanthrene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Anthracene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Fluoranthene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Pyrene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Benz(a)anthracene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Chrysene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Benzo(b)fluoranthene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Benzo(k)fluoranthene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Benzo(a)pyrene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Indeno(1,2,3-cd)pyrene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Dibenz(a,h)anthracene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Benzo(g,h,i)perylene	ND	61.8		µg/Kg-dry	1	10/18/2012 10:20:00 PM
Surr: 2-Fluorobiphenyl	75.0	50.4-142		%REC	1	10/18/2012 10:20:00 PM
Surr: Terphenyl-d14 (surr)	82.6	48.8-157		%REC	1	10/18/2012 10:20:00 PM
Gasoline by NWTPH-Gx				Batch ID: R6222		Analyst: EM
Gasoline	ND	6.21		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Surr: 1,2-Dichloroethane-d4	106	65-135		%REC	1	10/16/2012 12:26:00 PM
Surr: Fluorobenzene	99.9	65-135		%REC	1	10/16/2012 12:26:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 10:00:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-100
Matrix: Soil
Client Sample ID: B21-11-10.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3439		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0745		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Chloromethane	ND	0.0745		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Vinyl chloride	ND	0.00248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Bromomethane	ND	0.112		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0621		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Chloroethane	ND	0.0745		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,1-Dichloroethene	ND	0.0621		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Methylene chloride	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
trans-1,2-Dichloroethene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0621		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,1-Dichloroethane	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
2,2-Dichloropropane	ND	0.0621		mg/Kg-dry	1	10/16/2012 12:26:00 PM
cis-1,2-Dichloroethene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Chloroform	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,1-Dichloropropene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Carbon tetrachloride	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2-Dichloroethane	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Benzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Trichloroethene (TCE)	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2-Dichloropropane	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Bromodichloromethane	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Dibromomethane	ND	0.0497		mg/Kg-dry	1	10/16/2012 12:26:00 PM
cis-1,3-Dichloropropene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Toluene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
trans-1,3-Dichloropropene	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,1,2-Trichloroethane	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,3-Dichloropropane	ND	0.0621		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Tetrachloroethene (PCE)	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Dibromochloromethane	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2-Dibromoethane (EDB)	ND	0.00621		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Chlorobenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Ethylbenzene	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
m,p-Xylene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 10:00:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-100
Matrix: Soil
Client Sample ID: B21-11-10.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3439		Analyst: EM
o-Xylene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Styrene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Isopropylbenzene	ND	0.0994		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Bromoform	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
n-Propylbenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Bromobenzene	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,3,5-Trimethylbenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
2-Chlorotoluene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
4-Chlorotoluene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
tert-Butylbenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2,3-Trichloropropane	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2,4-Trichlorobenzene	ND	0.0621		mg/Kg-dry	1	10/16/2012 12:26:00 PM
sec-Butylbenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
4-Isopropyltoluene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,3-Dichlorobenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,4-Dichlorobenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
n-Butylbenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2-Dichlorobenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2,4-Trimethylbenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Hexachlorobutadiene	ND	0.124		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Naphthalene	ND	0.0373		mg/Kg-dry	1	10/16/2012 12:26:00 PM
1,2,3-Trichlorobenzene	ND	0.0248		mg/Kg-dry	1	10/16/2012 12:26:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.2	63.1-141		%REC	1	10/16/2012 12:26:00 PM
Surr: Dibromofluoromethane	98.2	67.6-119		%REC	1	10/16/2012 12:26:00 PM
Surr: Toluene-d8	101	78.5-126		%REC	1	10/16/2012 12:26:00 PM
Total Metals by EPA Method 6020				Batch ID: 3449		Analyst: SG
Arsenic	4.39	0.0965		mg/Kg-dry	1	10/17/2012 12:37:25 AM
Barium	180	0.482		mg/Kg-dry	1	10/17/2012 12:37:25 AM
Cadmium	ND	0.193		mg/Kg-dry	1	10/17/2012 12:37:25 AM
Chromium	92.7	0.0965		mg/Kg-dry	1	10/17/2012 12:37:25 AM
Lead	5.77	0.193		mg/Kg-dry	1	10/17/2012 12:37:25 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 10:00:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-100
Matrix: Soil
Client Sample ID: B21-11-10.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 3449		Analyst: SG
Selenium	ND	0.482		mg/Kg-dry	1	10/17/2012 12:37:25 AM
Silver	ND	0.0965		mg/Kg-dry	1	10/17/2012 12:37:25 AM
Mercury by EPA Method 7471				Batch ID: 3456		Analyst: MC
Mercury	ND	0.341		mg/Kg-dry	1	10/18/2012 11:59:34 AM
Sample Moisture (Percent Moisture)				Batch ID: R6156		Analyst: CM
Percent Moisture	28.0			wt%	1	10/16/2012 10:35:24 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 10:40:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-110
Matrix: Soil
Client Sample ID: B21-12-5.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3445		Analyst: BR
Diesel (Fuel Oil)	ND	23.4		mg/Kg-dry	1	10/17/2012 8:52:00 PM
Heavy Oil	ND	58.4		mg/Kg-dry	1	10/17/2012 8:52:00 PM
Surr: 2-Fluorobiphenyl	106	50-150		%REC	1	10/17/2012 8:52:00 PM
Surr: o-Terphenyl	100	50-150		%REC	1	10/17/2012 8:52:00 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 3447		Analyst: PH
Naphthalene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
2-Methylnaphthalene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
1-Methylnaphthalene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Acenaphthylene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Acenaphthene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Fluorene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Phenanthrene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Anthracene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Fluoranthene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Pyrene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Benz(a)anthracene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Chrysene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Benzo(b)fluoranthene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Benzo(k)fluoranthene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Benzo(a)pyrene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Indeno(1,2,3-cd)pyrene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Dibenz(a,h)anthracene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Benzo(g,h,i)perylene	ND	55.5		µg/Kg-dry	1	10/19/2012 2:53:00 PM
Surr: 2-Fluorobiphenyl	112	50.4-142		%REC	1	10/19/2012 2:53:00 PM
Surr: Terphenyl-d14 (surr)	112	48.8-157		%REC	1	10/19/2012 2:53:00 PM
Gasoline by NWTPH-Gx				Batch ID: R6222		Analyst: EM
Gasoline	ND	5.65		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Surr: 1,2-Dichloroethane-d4	108	65-135		%REC	1	10/16/2012 12:56:00 PM
Surr: Fluorobenzene	101	65-135		%REC	1	10/16/2012 12:56:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: GeoEngineers, Inc. - Redmond **Collection Date:** 10/8/2012 10:40:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-110 **Matrix:** Soil
Client Sample ID: B21-12-5.0

Volatile Organic Compounds by EPA Method 8260

Batch ID: 3439 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0678		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Chloromethane	ND	0.0678		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Vinyl chloride	ND	0.00226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Bromomethane	ND	0.102		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0565		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Chloroethane	ND	0.0678		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,1-Dichloroethene	ND	0.0565		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Methylene chloride	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
trans-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0565		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,1-Dichloroethane	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
2,2-Dichloropropane	ND	0.0565		mg/Kg-dry	1	10/16/2012 12:56:00 PM
cis-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Chloroform	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,1-Dichloropropene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Carbon tetrachloride	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2-Dichloroethane	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Benzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Trichloroethene (TCE)	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2-Dichloropropane	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Bromodichloromethane	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Dibromomethane	ND	0.0452		mg/Kg-dry	1	10/16/2012 12:56:00 PM
cis-1,3-Dichloropropene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Toluene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
trans-1,3-Dichloropropene	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,1,2-Trichloroethane	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,3-Dichloropropane	ND	0.0565		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Tetrachloroethene (PCE)	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Dibromochloromethane	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2-Dibromoethane (EDB)	ND	0.00565		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Chlorobenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Ethylbenzene	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
m,p-Xylene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 10:40:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-110
Matrix: Soil
Client Sample ID: B21-12-5.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3439		Analyst: EM
o-Xylene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Styrene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Isopropylbenzene	ND	0.0904		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Bromoform	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
n-Propylbenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Bromobenzene	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,3,5-Trimethylbenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
2-Chlorotoluene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
4-Chlorotoluene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
tert-Butylbenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2,3-Trichloropropane	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2,4-Trichlorobenzene	ND	0.0565		mg/Kg-dry	1	10/16/2012 12:56:00 PM
sec-Butylbenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
4-Isopropyltoluene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,3-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,4-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
n-Butylbenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2,4-Trimethylbenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Hexachlorobutadiene	ND	0.113		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Naphthalene	ND	0.0339		mg/Kg-dry	1	10/16/2012 12:56:00 PM
1,2,3-Trichlorobenzene	ND	0.0226		mg/Kg-dry	1	10/16/2012 12:56:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	10/16/2012 12:56:00 PM
Surr: Dibromofluoromethane	97.6	67.6-119		%REC	1	10/16/2012 12:56:00 PM
Surr: Toluene-d8	99.3	78.5-126		%REC	1	10/16/2012 12:56:00 PM
Total Metals by EPA Method 6020				Batch ID: 3449		Analyst: SG
Arsenic	5.48	0.0851		mg/Kg-dry	1	10/17/2012 12:46:29 AM
Barium	119	0.426		mg/Kg-dry	1	10/17/2012 12:46:29 AM
Cadmium	ND	0.170		mg/Kg-dry	1	10/17/2012 12:46:29 AM
Chromium	49.6	0.0851		mg/Kg-dry	1	10/17/2012 12:46:29 AM
Lead	4.42	0.170		mg/Kg-dry	1	10/17/2012 12:46:29 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 10:40:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-110
Matrix: Soil
Client Sample ID: B21-12-5.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 3449		Analyst: SG
Selenium	ND	0.426		mg/Kg-dry	1	10/17/2012 12:46:29 AM
Silver	ND	0.0851		mg/Kg-dry	1	10/17/2012 12:46:29 AM
Mercury by EPA Method 7471				Batch ID: 3456		Analyst: MC
Mercury	ND	0.315		mg/Kg-dry	1	10/18/2012 12:01:12 PM
Sample Moisture (Percent Moisture)				Batch ID: R6156		Analyst: CM
Percent Moisture	20.6			wt%	1	10/16/2012 10:35:24 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 11:10:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-115
Matrix: Soil
Client Sample ID: B21-12-17.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3445		Analyst: BR
Diesel (Fuel Oil)	ND	20.2		mg/Kg-dry	1	10/17/2012 9:19:00 PM
Heavy Oil	ND	50.4		mg/Kg-dry	1	10/17/2012 9:19:00 PM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	10/17/2012 9:19:00 PM
Surr: o-Terphenyl	99.5	50-150		%REC	1	10/17/2012 9:19:00 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 3448		Analyst: PH
Naphthalene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
2-Methylnaphthalene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
1-Methylnaphthalene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Acenaphthylene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Acenaphthene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Fluorene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Phenanthrene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Anthracene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Fluoranthene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Pyrene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Benz(a)anthracene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Chrysene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Benzo(b)fluoranthene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Benzo(k)fluoranthene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Benzo(a)pyrene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Indeno(1,2,3-cd)pyrene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Dibenz(a,h)anthracene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Benzo(g,h,i)perylene	ND	51.0		µg/Kg-dry	1	10/18/2012 1:10:00 AM
Surr: 2-Fluorobiphenyl	127	50.4-142		%REC	1	10/18/2012 1:10:00 AM
Surr: Terphenyl-d14 (surr)	109	48.8-157		%REC	1	10/18/2012 1:10:00 AM
Gasoline by NWTPH-Gx				Batch ID: R6222		Analyst: EM
Gasoline	ND	4.80		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Surr: 1,2-Dichloroethane-d4	107	65-135		%REC	1	10/16/2012 1:26:00 PM
Surr: Fluorobenzene	101	65-135		%REC	1	10/16/2012 1:26:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 11:10:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-115
Matrix: Soil
Client Sample ID: B21-12-17.5

Volatile Organic Compounds by EPA Method 8260

Batch ID: 3439 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0577		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Chloromethane	ND	0.0577		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Vinyl chloride	ND	0.00192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Bromomethane	ND	0.0865		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0480		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Chloroethane	ND	0.0577		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,1-Dichloroethene	ND	0.0480		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Methylene chloride	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
trans-1,2-Dichloroethene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0480		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,1-Dichloroethane	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
2,2-Dichloropropane	ND	0.0480		mg/Kg-dry	1	10/16/2012 1:26:00 PM
cis-1,2-Dichloroethene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Chloroform	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,1-Dichloropropene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Carbon tetrachloride	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2-Dichloroethane	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Benzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Trichloroethene (TCE)	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2-Dichloropropane	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Bromodichloromethane	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Dibromomethane	ND	0.0384		mg/Kg-dry	1	10/16/2012 1:26:00 PM
cis-1,3-Dichloropropene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Toluene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
trans-1,3-Dichloropropene	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,1,2-Trichloroethane	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,3-Dichloropropane	ND	0.0480		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Tetrachloroethene (PCE)	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Dibromochloromethane	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2-Dibromoethane (EDB)	ND	0.00480		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Chlorobenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Ethylbenzene	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
m,p-Xylene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 11:10:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-115
Matrix: Soil
Client Sample ID: B21-12-17.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3439		Analyst: EM
o-Xylene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Styrene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Isopropylbenzene	ND	0.0769		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Bromoform	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
n-Propylbenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Bromobenzene	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,3,5-Trimethylbenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
2-Chlorotoluene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
4-Chlorotoluene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
tert-Butylbenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2,3-Trichloropropane	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2,4-Trichlorobenzene	ND	0.0480		mg/Kg-dry	1	10/16/2012 1:26:00 PM
sec-Butylbenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
4-Isopropyltoluene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,3-Dichlorobenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,4-Dichlorobenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
n-Butylbenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2-Dichlorobenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2,4-Trimethylbenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Hexachlorobutadiene	ND	0.0961		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Naphthalene	ND	0.0288		mg/Kg-dry	1	10/16/2012 1:26:00 PM
1,2,3-Trichlorobenzene	ND	0.0192		mg/Kg-dry	1	10/16/2012 1:26:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	10/16/2012 1:26:00 PM
Surr: Dibromofluoromethane	98.0	67.6-119		%REC	1	10/16/2012 1:26:00 PM
Surr: Toluene-d8	99.3	78.5-126		%REC	1	10/16/2012 1:26:00 PM
Total Metals by EPA Method 6020				Batch ID: 3449		Analyst: SG
Arsenic	1.45	0.0774		mg/Kg-dry	1	10/17/2012 12:55:32 AM
Barium	39.0	0.387		mg/Kg-dry	1	10/17/2012 12:55:32 AM
Cadmium	ND	0.155		mg/Kg-dry	1	10/17/2012 12:55:32 AM
Chromium	26.6	0.0774		mg/Kg-dry	1	10/17/2012 12:55:32 AM
Lead	1.63	0.155		mg/Kg-dry	1	10/17/2012 12:55:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210020**
Date Reported: **10/26/2012**

Client: GeoEngineers, Inc. - Redmond
Collection Date: 10/8/2012 11:10:00 AM
Project: Block 21 Lot 3
Lab ID: 1210020-115
Matrix: Soil
Client Sample ID: B21-12-17.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 3449		Analyst: SG
Selenium	ND	0.387		mg/Kg-dry	1	10/17/2012 12:55:32 AM
Silver	ND	0.0774		mg/Kg-dry	1	10/17/2012 12:55:32 AM
Mercury by EPA Method 7471				Batch ID: 3456		Analyst: MC
Mercury	ND	0.229		mg/Kg-dry	1	10/18/2012 12:02:50 PM
Sample Moisture (Percent Moisture)				Batch ID: R6156		Analyst: CM
Percent Moisture	8.98			wt%	1	10/16/2012 10:35:24 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Sample Log-In Check List

Client Name: **GEI1**	Work Order Number: **1210020**
Logged by: **Troy Zehr**	Date Received: **10/15/2012**

Chain of Custody

1.	Were custodial seals present?	Yes	☐	No	☐	Not Required	☑
2.	Is Chain of Custody complete?	Yes	☑	No	☐	Not Present	☐
3.	How was the sample delivered?	Client					

Log In

4.	Coolers are present?	Yes	☑	No	☐	NA	☐
5.	Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
6.	Were all coolers received at a temperature of >0° C to 10.0°C	Yes	☑	No	☐	NA	☐
7.	Sample(s) in proper container(s)?	Yes	☑	No	☐		
8.	Sufficient sample volume for indicated test(s)?	Yes	☑	No	☐		
9.	Are samples properly preserved?	Yes	☑	No	☐		
10.	Was preservative added to bottles?	Yes	☐	No	☑	NA	☐
11.	Is there headspace present in VOA vials?	Yes	☐	No	☐	NA	☑
12.	Did all sample containers arrive in good condition?(unbroken)	Yes	☑	No	☐		
13.	Does paperwork match bottle labels?	Yes	☑	No	☐		
14.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No	☐		
15.	Is it clear what analyses were requested?	Yes	☑	No	☐		
16.	Were all holding times able to be met?	Yes	☑	No	☐		

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes	☐	No	☐	NA	☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks/Disrepancies

Item Information

Item #	Temp ºC	Condition
Cooler 1	5.1	Good
Cooler 2	6.2	Good
Cooler 3	4.8	Good
Cooler 4	5.2	Good
Cooler 5	6.1	Good

Item #	Temp ºC	Condition
Cooler 6	6.5	Good
Cooler 7	5.4	Good
Cooler 8	5.9	Good
Cooler 9	6.3	Good
Temp Blank 1	5.0	Good
Temp Blank 2	5.4	Good
Temp Blank 3	3.6	Good
Temp Blank 4	4.9	Good
Temp Blank 5	5.4	Good
Temp Blank 6	6.1	Good
Temp Blank 7	5.1	Good

20434-001-11

CEMEX

1876060097

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 187

Order: Dispatch: Date: 10/08/2012

Ship To: 3047613 - GEOENGINEERS INC
7TH AVE & BELL ST SEATTLE
TO EVERETT SOILS
EVERETT, WA 98213

Instruct: 10.05.2012

Job #: PO: 2043400111

Product: 1132508 - CLASS 3 SOIL DUMPED BY TON

Carrier:

Vehicle: 2179765 - AQUA,AQUA CLEAN

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 0.23 ton

Weighmaster:
CEMEX

Deputy Weighmaster:
Malia J. Leake

Scale: 0

In:

Out: 7:24 am

-- DRIVER ON AT TARE & GROSS --

	lb	ton	tre
Gross:	44,280	22.14	22 0
Tare:	43,820	21.91	21 9
Net:	460	0.23	0 2

* Manual Weight

Today Loads:

Today Qty: 0.23 to

0 0

0.0

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

Signature of Receiving Agent

Driver

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS

SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION