Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

TRANSMITTAL

To: GHD
16451 Scientific Way
Irvine, California 92618

Date: November 1, 2013

Project No. 10463.001

Attention: Mr. Yvan A. Schmidt

Transmitted:		The Following:		For:	
	Mail		Draft Report	X	Your Use
	Courier/Overnight	X	Final Report		As Requested
	Pick Up		Extra Report		
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			Other		

Subject: Phase II Environmental Site Assessment, Former World Citrus West Facility, 595 East Orange Show Road, San Bernardino, California

LEIGHTON CONSULTING, INC.

By: Kristin Stout

Distribution: (1) Addressee

10532 Acacia Street, Suite B-6 ▪ Rancho Cucamonga, CA 91730-5455
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LIMITED PHASE II
ENVIRONMENTAL SITE ASSESSMENT
595 EAST ORANGE SHOW ROAD
SAN BERNARDINO, CALIFORNIA

Prepared For:

GHD
16451 Scientific Way
San Bernardino, California 92618

Project No. 10463.001

November 1, 2013

Leighton and Associates, Inc.
A LEIGHTON GROUP COMPANY

Leighton Consulting, Inc.
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GHD
16451 Scientific Way
Irvine, California 92618

Attention: Mr. Yvan A. Schmidt

Subject: Limited Phase II Environmental Site Assessment
595 East Orange Show Road
San Bernardino, California

INTRODUCTION

Leighton Consulting, Inc. (Leighton) presents this report summarizing the results of a Limited Phase II Environmental Site Assessment (ESA) conducted to assess the site for the presence of contaminants based upon the findings in a previous Phase I ESA prepared for the subject property by GHD (GHD, 2013). The property is located at 595 East Orange Show Road, in the City of San Bernardino, San Bernardino County, California. The property is identified by Assessor Parcel Numbers (APNs) 281-011-061 and -480, 281-021-460,-470, -480, -490, -500, and 281-031-890, -920 (Figure 1). The property encompasses approximately 66 acres and is generally undeveloped, except for a former lumberyard area which contains several buildings and old milling equipment, five City of Riverside water supply wells, and a water treatment plant related to the Newmark, Norton and Crafton-Redlands Superfund cleanup projects.

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GHD identified the following recognized environmental conditions (RECs) in their previous Phase I ESA:

- Two 10,000-gallon underground storage tanks (USTs) containing gasoline and diesel were previously present at the former lumber mill in the southeastern portion of the subject site. The USTs were single walled steel, and were reportedly removed around 1988, and replaced with two 1,000-gallon aboveground storage tanks (ASTs) storing gasoline and diesel. Government agency files were in archive and not available for review.

- The City of Riverside Department of Public Utilities reported (personal communication) that the RAUB groundwater treatment plant along the western Property boundary is designed to prevent down-gradient migration of three combined Superfund chlorinated solvent plumes (Newmark, Norton and Crafton-Redlands). The Norton Superfund National Priority Listing (NPL) groundwater plume boundary is shown in the EDR report as approximately one mile north/northeast of the Property. The land surface in the upgradient groundwater flow direction (northeast) between the San Bernardino Airport and the site is entirely developed with residential, commercial and industrial properties.

- The oil/water separator at the former lumber mill was reported to drain into a septic tank on the subject site. Therefore, there is the potential for petroleum hydrocarbons to have been released into the subsurface soil from operation of the septic system.

- A former spur of the AT&SF Railroad is located on the Property in the southern portion of the former lumber mill.

In addition to the above, per email correspondence with GHD it was requested that Leighton Consulting also investigate the potential for impacts from treated wood within the lumber yard area and collect wipe samples from the indoor pad-mounted transformers.

ADDITIONAL PREVIOUS REPORTS

Leighton Consulting was provided copies of two additional reports prior to conducting our Limited Phase II ESA. These reports are summarized below:

Tech/Art, Report on property owned by: Dennis L. & Milton E. Johnson in Yucaipa, CA & of properties in San Bernardino, CA adjacent to the Home Lumber Company. All of these properties are under review by the Fremont Financial Corporation as equity security for financing. Report of two "Phase 1 Environmental Site Assessments", September 13, 1988.

This report is a Limited Phase I ESA, more resemblance to a Transaction Screen conducted for a site in Yucaipa and a site adjacent the Former Lumber Yard. Tech/Art did not identify any environmental contamination associated with either site.

RGS Engineering Geology, Evaluation of Environmental Conditions, Home Lumber Company, 595 Orange Show Road, San Bernardino, California, October 16, 2003.

RGS conducted a Phase II ESA to investigate the slag materials which was a reported byproduct of steel manufacturing, soil staining in the shop, and an investigation of the septic tank/leach lines. RGS advanced four borings to two feet below ground surface (bgs) within the slag pavement in throughout the lumber yard. Two borings were advanced to five feet bgs in the vicinity of the septic system discharge. Four borings were advanced to five feet bgs adjacent in soil stained areas near the maintenance shop/truck wash down area.

RGS did not detect total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) were not detected in analyzed soil samples. Heavy metals yielded concentrations below the total threshold limit concentration (TTLC) for each metal. Additional assessment was not recommended by RGS.

References are provided in Appendix A.

RECORDS REVIEW

Leighton Consulting requested records from the Regional Water Quality Control Board, Santa Ana Region (RWQCB) to attempt to locate information on the former USTs. On October 16, 2013 Leighton Consulting reviewed records at the RWQCB. Records were associated with the Perchlorate Treatment System and RAUB wells located onsite in association with the Norton Superfund NPL listing. Records were not found regarding the former USTs.

On October 17, 2013 the owner of the subject site, Mr. Dennis Johnson, met Leighton Consulting and GHD on the subject site. Mr. Johnson indicated that the former USTs

were located in the area beneath the concrete pad where the former ASTs were located. He was not aware of the location of the former dispenser island.

GEOLOGY AND HYDROGEOLOGY

According to the Phase I ESA prepared by GHD, the subject site is located in the San Bernardino Valley in southern California. The San Bernardino Valley is bound by the San Gabriel and San Bernardino Mountains to the north, the San Bernardino and San Jacinto Mountains to the east, the Santa Ana Mountains to the south and the San Jose, Puente and Chino Hills to the west. The San Bernardino Mountains rise steeply from the east side of the San Bernardino Valley along the northwestward-trending San Andreas Fault. The straight, southwestward-facing mountain front is the dissected scarp of the San Andreas Fault and rises above the valley edge to heights ranging from about 2, 700 feet at the mouth of Cajon Creek to more than 5,500 feet at the mouth of the Santa Ana River canyon.

The subject site is underlain by Quaternary Alluvium deposits. These deposits consist of lake, playa and terrace deposits of unconsolidated and semi-unconsolidated mostly non-marine sediments. Based on our subsurface investigation, the subject site is underlain by silty sand, poorly graded sand, clayey sand/silty clay and clay to 20 feet bgs. Groundwater was not encountered to the maximum depth advanced of 20 feet bgs during the present investigation. Boring Logs are included in Appendix B.

The subject site is located within the Bunker Hill sub-basin of the Upper Santa Ana River groundwater basin. This groundwater basin has beneficial uses for industrial process supply water, municipal supply water, domestic water supply, agricultural supply water, and industrial supply water. Depth to groundwater in the vicinity of the subject site has been reported at approximately 50 to 100 feet bgs. Due to impacts associated with the Newmark, Norton and Crafton-Redlands Superfund Sites, restrictions on groundwater usage in this basin have been implemented as part of institutional controls. These restrictions directly apply to the City of San Bernardino where an ordinance has been developed (City Ordinance Chapter 13). According to GHD, the Newmark Superfund plume is not mapped within one mile of the subject site. A groundwater treatment plant is situated on the western edge of the subject site, and is operated by the City of Riverside to prevent downgradient migration of the chlorinated solvent plume from the Superfund site.

PRE-FIELD ACTIVITIES

A Site Specific Health and Safety Plan (HSP) was prepared for work performed at the site. All onsite personnel signed the HSP acknowledging acceptance. The document was kept onsite at all times during the field activities. The HSP was prepared in compliance with the Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.120. All onsite personnel signed the HSP acknowledging acceptance.

Underground Service Alert (USA) was contacted 48-hours prior to the commencement of fieldwork to mark all underground utility locations. Each proposed boring location was clearly marked in white paint prior to contacting USA. If subsurface obstructions were encountered, the borehole was abandoned and relocated to a nearby location.

GEOPHYSICAL SURVEY

On October 17, 2013, a geophysical survey was conducted by SubSurface Surveys & Associates, Inc. of Carlsbad, California to assess the presence of USTs, other buried anomalies, or underground utilities that may be located beneath the subject site. The geophysical survey was completed using a combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) equipment.

The geophysical survey investigated the areas of the former UST, oil/water separator, septic tank, and associated leach fields. SubSurface Surveys also cleared our proposed boring locations in these areas. Electrical, sewer, wastewater, water, and firewater pipelines were noted in chalk and identified in the site diagram included in the geophysical report. The location of the former USTs was noted by Mr. Johnson and the USTs were confirmed to have been removed. An overt backfilled excavation showing deep and aggressive digging was identified in this area. The oil/water separator was also found and it connected directly to the septic tank. The individual leach lines emanating from the septic tank were not detectable; however soil disturbances were attributed to the leach field. A copy of this geophysical report is included in Appendix C.

SUBSURFACE INVESTIGATION AND LABORATORY ANALYSIS

On October 18, 2013, Leighton Consulting mobilized to the subject site and directed direct push sampling activities conducted by Millennium Environmental, Inc. in the areas of potential concern (Figures 2 and 3). Soil samples were collected and observed for lithologic description and were logged using the Unified Soil Classification System. Soil samples were field screened for the presence of VOCs by headspace analysis using a photo-ionization detector (PID) calibrated to 100 parts per million by volume (ppmv) of

isobutylene. PID readings were recorded onto the field boring logs (Appendix B). Volatile organic hydrocarbon vapors were not detected at concentrations greater than 5 parts per million (ppm).

Soil samples were retained in acetate sample liners, capped with Teflon sheets and plastic end caps, and placed in an ice-cooled chest for storage and delivery to Enviro-Chem, Inc. in Pomona, California for chemical analysis. Enviro-Chem is a State of California certified laboratory. The following is a description of activities specific to the areas of potential concern:

Former USTs and ASTs Investigation

Leighton Consulting observed field activities during the advancement of four direct push soil borings to a depth of 20 feet bgs in the area of the former USTs and ASTs (UT1 through UT4). Soil samples were collected at depths of 5, 10, 15, and 20 feet bgs. The 16 soil samples were labeled with sample point identification and placed in an ice-cooled chest for temporary storage, and transported under chain of custody protocols to a State of California Certified laboratory for analysis for TPH full carbon chain by EPA Method 8015M. One soil sample was also analyzed for lead by EPA method 6010B and four samples were analyzed for VOCs by EPA Method 8260.

Oil Stained Area

Leighton Consulting observed field activities during the advancement of one direct push soil boring to a depth of 5 feet bgs in the area of oil staining observed south of the former USTs and ASTs (OS1). Soil samples were collected at depths of 0.5, 2.5, and 5 feet bgs. The three soil samples were analyzed for TPH full carbon chain by EPA Method 8015M.

Septic Tank and Oil/Water Separator

Leighton Consulting observed field activities during the advancement of two direct push soil borings to a depth of 20 feet bgs next to the septic tank (SP1 and SP2). Soil samples were collected at depths of 5, 10, 15, and 20 feet bgs. The eight soil samples were analyzed for TPH full carbon chain by EPA Method 8015M. Based on PID readings, one sample from each boring was analyzed for VOCs by EPA Method 8260B.

Leighton Consulting advanced two soil borings next to the oil/water separator to a depth of 5 feet bgs (CL1 and CL2). Soil samples were collected at 2.5 and 5 feet bgs. The four soil samples were analyzed for TPH full carbon chain by EPA Method 8015M. The soil

sample with the highest PID reading in each boring was also analyzed for Title 22 Metals by EPA Method 6010B/7471A and VOCs by EPA Method 8260B.

Former Railroad Spur

Leighton Consulting observed field activities during the advancement of two direct push soil borings to a depth of 2.5 feet bgs next to the railroad (RR1 and RR2). Soil samples were collected at depths of 0.5 feet and 2.5 feet bgs. The four soil samples were analyzed for TPH full carbon chain by EPA Method 8015M, polyaromatic hydrocarbons (PAHs) by 8310, and Title 22 Metals by EPA Method 6010B/7471A.

Former Lumber Yard

Leighton Consulting observed field activities during the advancement of six direct push soil borings to a depth of 2.5 feet bgs in the area of the former lumber yard (LY1 through LY6). Soil samples were collected at depths of 0.5 feet and 2.5 feet bgs. The twelve soil samples were analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270C and Title 22 Metals by EPA Method 6010B/7471A.

Transformers

Leighton Consulting collected wipe samples from the concrete surface of the two indoor transformer pads located within the former lumber mill (PT1 and PT2A). One wipe sample was collected at each pad in areas where staining was observed. The wipe samples were collected by wiping an approximate 100 square centimeter area of the concrete with a treated wipe material. A template was used to lay out the area wiped and mask the surrounding area. Prior to use, the template was decontaminated by wiping both surfaces with a clean gauze pad wetted with distilled water. The template was affixed to the surface to be sampled using masking tape or cellophane tape (e.g. “Scotch Tape”). Care was exercised so that the area within the template was not touched prior to sampling. The wipe sample was collected with a filter paper moistened with hexane and analyzed for PCBs by EPA Method 8082. The sample area was first wiped horizontally (right to left) with the sample wipe using a closely spaced “S” pattern. The wipe was then folded in half with the dust inside the fold and the sample area was wiped again in a similar fashion vertically (top to bottom) with a similar “S” pattern. The wipe did not contact surfaces outside the template. Leighton Consulting attempted to remove all the visible stained dust from the sample area during sampling. Once sampling was completed the wipe was then placed into a 4 oz. glass jar with a Teflon™ lined lid and sealed.

Prior to collected wipe sample PT2A, Leighton Consulting collected one sample of the soil and dust beneath the transformer in an area where staining was observed. This soil sample, PT2B, was analyzed for PCBs by EPA Method 8082.

Leighton Consulting randomly selected three pole mounted transformer locations to sample the soil beneath the transformer (TR1 through TR3). Three soil borings were advanced to three feet bgs. Soil samples were collected at the surface and three feet bgs. The soil samples collected at the surface were analyzed for PCBs by EPA 8082. The soil samples collected at 3 feet bgs were held pending the initial laboratory results.

Asphalt Slag Investigation

According to GHD the asphalt beneath the lumber yard was paved with slag material which was a byproduct of steel manufacturing. Leighton Consulting collected three samples of the asphalt material using a steel pic (SG1 through SG3). Leighton Consulting also collected three soil samples beneath the asphalt at depths of 0.5 to 1 foot bgs. The three asphalt samples and the three soil samples were analyzed for Title 22 Metals by EPA Method 6010B/7471A.

Decontamination/Disposal/Backfill

All down-hole drilling and/or sampling equipment were decontaminated between boreholes by washing in a non-phosphate detergent and rinsing with water. Investigation derived waste (IDW) was not generated onsite. Soil borings were backfilled with drill cuttings and bentonite chips.

RESULTS

Former USTs and ASTs

TPH carbon chain and VOCs were not detected above laboratory detection limits in the 20 soil samples analyzed. Lead was detected at a concentration of 2.97 mg/kg which is below the California Human Health Screening Level (CHHSLs) (Office of Environmental Health Hazard Assessment [OEHHA], 2010) for Commercial and Industrial Use (CHHSL-I) of 320 mg/kg and below the United States Environmental Protection Agency (US EPA) Region 9 industrial regional screening level (RSL-I) of 800 mg/kg. Laboratory results are summarized in Tables 1 through 3 and the laboratory reports are included as Appendix D.

Oil Stained Area

TPH carbon chain in the carbon range of C_{23} to C_{35} was detected in soil samples OS1-0.5, OS1-2.5, and OS1-5.0 at concentrations of 33,000 mg/kg, 193 mg/kg, and 75.1 mg/kg, respectively. The California Regional Water Quality Control Board (CRWQCB) has developed maximum soil screening levels (SSLs) for TPH above drinking water aquifers (CRWQCB, 1996). The maximum screening levels for soil located 20 to 150 feet above groundwater is: C_{23} to C_{32} (oil range): 10,000 mg/kg. TPH was not detected in the soil samples in hydrocarbon ranges C_4 to C_{22}.

Septic Tank and Oil/Water Separator

TPH carbon chain was not detected in the 8 soil samples collected in the area of the leach field. Two of the soil samples, SP1-20.0 and SP2-10.0 were also analyzed for VOCs and oxygenates. VOCs were not detected in the soil samples.

TPH was detected in the carbon ranges of C_{11} to C_{22} and C_{23} to C_{35} in soil sample CL1-2.5 at concentrations of 10.0 mg/kg and 205 mg/kg, respectively. The maximum screening levels for soil located 20 to 150 feet above groundwater is: $C_{13–22}$ (diesel range): 1,000 mg/kg and C_{23} to C_{32} (oil range): 10,000 mg/kg. TPH was not detected in the soil sample collected at 5.0 feet bgs.

Former Railroad Spur

TPH carbon chain was not detected in the four soil samples collected. PAHs were detected but were below the CHHSL-I and RSL-I's. Heavy metals were detected and are discussed further in the Asphalt Slag Investigation/Heavy Metals section below.

Former Lumber Yard

SVOCs were not detected in the twelve analyzed soil samples in the former lumber yard area. Heavy metals were detected and are discussed further in the Asphalt Slag Investigation/Heavy Metals section below.

Transformers

PCBs were not detected in the wipe sample, dust/soil sample, or soil samples beneath the pad and pole-mounted transformers.

Asphalt Slag Investigation/Heavy Metals

Three soil samples were collected of this slag material and a soil sample was collected beneath the slag material. These samples were analyzed for heavy metals. The surficial samples collected in the former railroad spur and lumber yard were also analyzed for heavy metals.

Metals were detected above the laboratory reporting limits in the all soil samples analyzed. No metals were detected above the RSL-I's or CHHSL-I's with the exception of arsenic and lead. Arsenic exceeded the more conservative residential CHHSL-I of 0.24 mg/kg in the soil samples analyzed; therefore arsenic was compared to the DTSC California Background concentration of 12 mg/kg. Arsenic was not detected above the DTSC California Background concentration of 12 mg/kg in any sample analyzed.

Total chromium was detected at concentrations over 50 mg/kg in 17 samples, with a maximum concentration of 1,160 mg/kg (LY3-0.5). Therefore Leighton Consulting selected eight soil samples with the highest total chromium to be analyzed for Chromium VI by EPA Method 7196A. Chromium VI was not detected in the eight soil samples analyzed.

The soil samples exceeding 50 mg/kg for total chromium were analyzed for soluble threshold limit concentration (STLC) method for soluble chromium. Eleven soil samples exceeding 100 mg/kg total chromium were analyzed for chromium using the total characteristic leaching procedure (TCLP). Chromium was not detected above 5 milligrams per liter (mg/l) in the STLC or TCLP methods.

Vanadium exceeded 240 mg/kg in 11 soil samples. Therefore these soil samples were analyzed for vanadium using the STLC method. Vanadium was not detected above 5 mg/l in the STLC methods.

The laboratory report and Chain of Custody forms are included in Appendix D.

CONCLUSIONS

Based on the Limited Phase II ESA activities performed, Leighton Consulting concludes the following:

- Low levels of petroleum hydrocarbons (C23-C35) were detected up to a maximum of 33,000 mg/kg below the surface in the oil stained area, however, the concentration decreased at 2.5 bgs. This area has been adequately assessed.

- Title 22 metals detected in this investigation did not exceed the RSL-R, CHHSL-R, and/or background levels established for Southern California. Additional assessment is not warranted in the investigated areas.
- The oil/water separator contains water and oily liquids. A small amount of petroleum hydrocarbons were detected in the soil next to the oil/water separator; however the concentrations were below regulatory levels and can remain in place. VOCs were not detected in the soil sample.
- VOCs, SVOCs, and PCBs were not detected in any of the analyzed soil samples. Low levels of PAHs were detected; however these were below regulatory action levels. Additional assessment is not warranted in the investigated areas.

RECOMMENDATIONS

Leighton Consulting recommends that the soil in the area of the oil staining be excavated and transported offsite in accordance with regulatory guidelines. Confirmation soil samples should be collected to confirm the removal of the TPH impacted soil.

Leighton Consulting recommends that the oily water located in the oil/water separator be pumped and transported offsite. If the oil/water separator is no longer to be used, Leighton Consulting recommends that it be removed in accordance with regulatory guidelines. A permit for removal and confirmation samples may be required by the City and/or County of San Bernardino.

Leighton Consulting recommends that the septic tank and leach field are also removed in accordance with regulatory guidelines.

Further investigation is not recommended in the asphalt slag and surficial soil based on the results of this limited investigation. The concentrations of heavy metals detected in the area of the lumber yard are well below CHHLs-I and RSLs-I and are not expected to adversely affect human health or the environment. This material can be transported offsite without any regulatory restrictions.

In general, observations should be made during future development activities for features of concern or areas of possible contamination such as, but not limited to, the presence of underground facilities, buried debris, waste drums, tanks, soil staining or odorous soils. Further investigation and analysis may be necessary, should such materials be encountered during grading and/or construction activities. Due to the size of the property and this limited scope of this investigation, Leighton Consulting recommends that the

buyer retain a contingency for any potential clean-up activities that may be discovered during the development.

Should you have any questions regarding this report, please contact the undersigned at (951) 252-8927.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Kristin Stout
Senior Project Scientist

Kris Lutton, PG
Senior Vice President

Attachments: Figure 1 – Site Location Map
Figure 2 – Boring Location Map
Figure 3 – Boring Location Map – Lumber Yard
Table 1 – Soil Analytical Results – TPH, VOCs, SVOCs, PCBs
Table 2 – Soil Analytical Results – Metals
Table 3 – Soil Analytical Results – PAHs
Appendix A – References
Appendix B – Boring Logs
Appendix C – Geophysical Survey
Appendix D – Laboratory Reports and Chain of Custody

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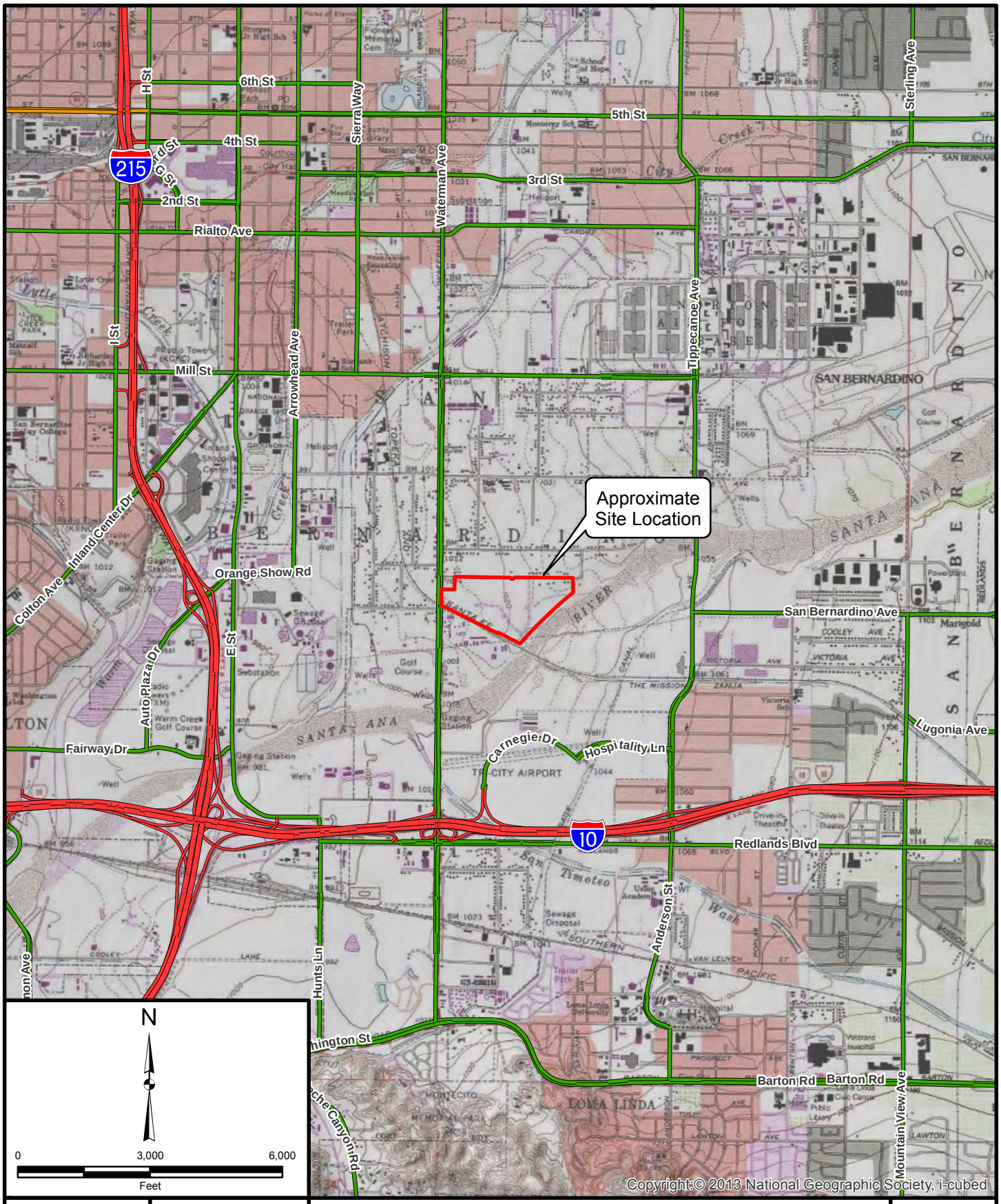

Project: 10463.001	Eng/Geol: KS
Scale: 1 " = 3,000 '	Date: November 2013

Base Map: ESRI ArcGIS Online 2013
Thematic Information: Leighton
Author: (mmurphy)

SITE LOCATION MAP

595 East Orange Show Road
San Bernardino, California

Figure 1

Leighton

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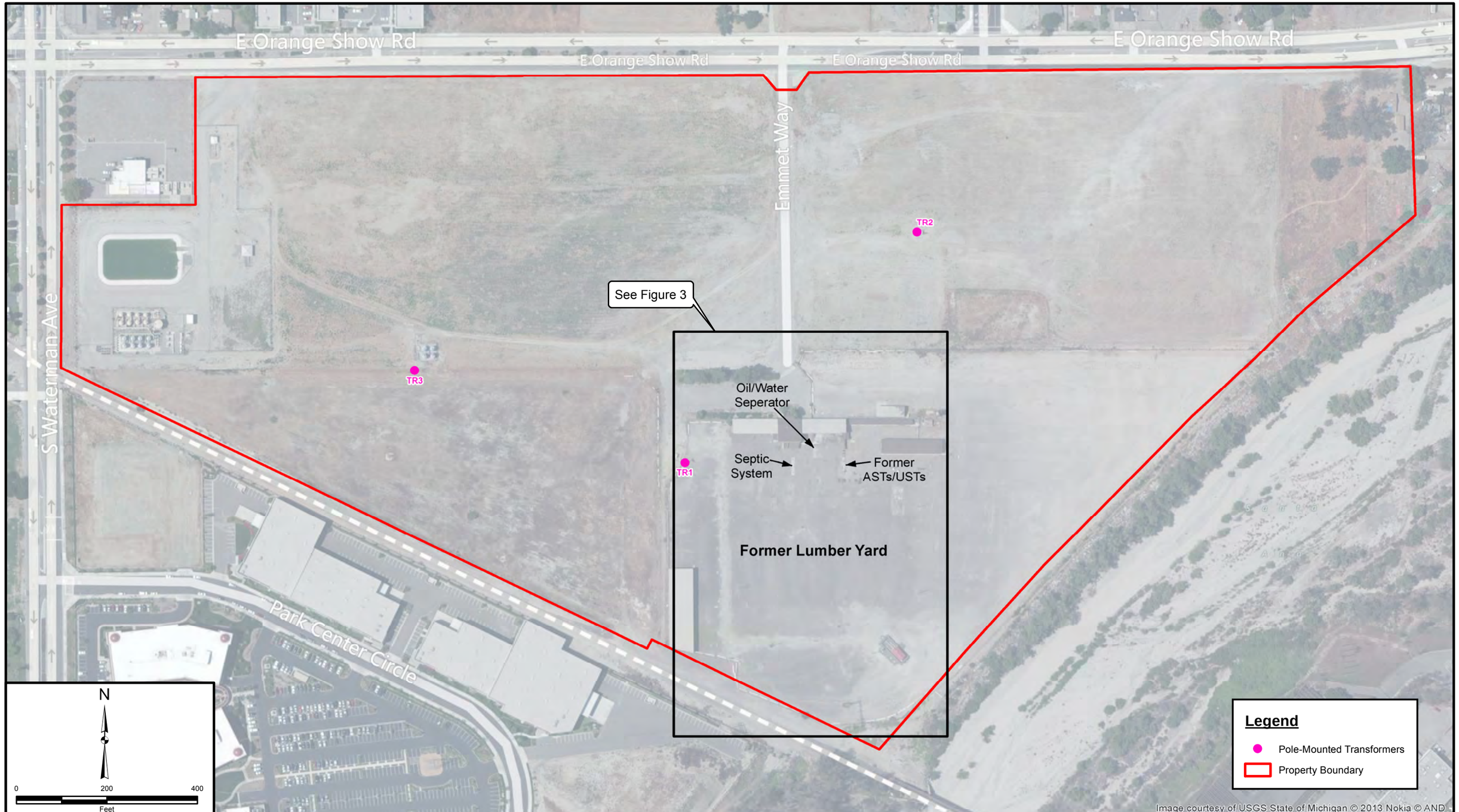

Project: 10463.001	Eng/Geol: KS
Scale:1 " = 200 '	Date: November 2013

Base Map: ESRI ArcGIS Online 2013
Thematic Information: Leighton
Author: (mmurphy)

BORING LOCATION MAP

595 East Orange Show Road
San Bernardino, California

Figure 2

Leighton

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Base Map: ESRI ArcGIS Online 2013
Thematic Information: Leighton
Author: (mmurphy)

BORING LOCATION MAP - LUMBER YARD

595 East Orange Show Road
San Bernardino, California

Figure 3

Leighton

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TABLE 1
Soil Analytical Results - TPH, VOCs, SVOCs, and PCBs
595 East Orange Show Road
San Bernardino, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	TPH C_4-C_{10} (mg/kg)	TPH C_{11}-C_{22} (mg/kg)	TPH C_{23}-C_{35} (mg/kg)	EPA Method 8260					EPA Method 8082	EPA Method 8270
						Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	All Other VOCs/Oxys (mg/Kg)	All PCBs (mg/kg)	All SVOCs (mg/kg)
UT1-5.0	5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT1-10.0	10	10/18/2013	<10	<10	<50	<0.005	<0.005	<0.005	<0.010	ND	--	--
UT1-15.0	15	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT1-20.0	20	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT2-5.0	5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT2-10.0	10	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT2-15.0	15	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT2-20.0	20	10/18/2013	<10	<10	<50	<0.005	<0.005	<0.005	<0.010	ND		--
UT3-5.0	5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT3-10.0	10	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT3-15.0	15	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT3-20.0	20	10/18/2013	<10	<10	<50	<0.005	<0.005	<0.005	<0.010	ND	--	--
UT4-5.0	5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT4-10.0	10	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
UT4-15.0	15	10/18/2013	<10	<10	<50	<0.005	<0.005	<0.005	<0.010	ND	--	--
UT4-20.0	20	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
OS1-0.5	5	10/18/2013	<250	<250	**33,000**	--	--	--	--	--	--	--
OS1-2.5	10	10/18/2013	<10	<10	**193**	--	--	--	--	--	--	--
OS1-5.0	15	10/18/2013	<10	<10	**75.1**	--	--	--	--	--	--	--
SP1-5.0	5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
SP1-10.0	10	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
SP1-15.0	15	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
SP1-20.0	20	10/18/2013	<10	<10	<50	<0.005	<0.005	<0.005	<0.010	ND	--	--
SP2-5.0	5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
SP2-10.0	10	10/18/2013	<10	<10	<50	<0.005	<0.005	<0.005	<0.010	ND	--	--
SP2-15.0	15	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
SP2-20.0	20	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
CL1-2.5	2.5	10/18/2013	<10	**10.0***	**205**	<0.005	<0.005	<0.005	<0.010	ND	--	--
CL1-5.0	5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
CL2-2.5	2.5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
CL2-5.0	5	10/18/2013	<10	<10	<50	<0.005	<0.005	<0.005	<0.010	ND	--	--
RR1-0.5	0.5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
RR1-2.5	2.5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
RR2-0.5	0.5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
RR2-2.5	2.5	10/18/2013	<10	<10	<50	--	--	--	--	--	--	--
TR1-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	ND	--
TR2-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	ND	--
TR3-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	ND	--
PT1	--	10/18/2013	--	--	--	--	--	--	--	--	ND+	--
PT2A	--	10/18/2013	--	--	--	--	--	--	--	--	ND+	--
PT2B	--	10/18/2013	--	--	--	--	--	--	--	--	ND	--
LY1-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY1-2.5	2.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY2-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY2-2.5	2.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY3-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY3-2.5	2.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY4-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY4-2.5	2.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY5-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY5-2.5	2.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY6-0.5	0.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
LY6-2.5	2.5	10/18/2013	--	--	--	--	--	--	--	--	--	ND
Screening Criteria												
LARWQCB Cleanup Levels, 1996			100	100	1,000	--	--	--	--	--	--	--

Notes:

TPH C_4-C_{10} = Total Petroleum Hydrocarbons carbon range
mg/kg = milligrams per kilogram
VOCs/Oxys = Volatile organic compounds and oxygenates
SVOCs = Semi-volatile organic compounds

ND = Not detected above the laboratory detection limits for all constituents analyzed
-- = Not analyzed/not applicable

TABLE 2
Soil Analytical Results - Metals
595 East Orange Show Road
San Bernardino, California

Sample ID	Sample Depth (feet)	Date Sampled	EPA Method 6010																				
			Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	STLC Chrom (mg/l)	TCLP Chrom (mg/l)	Chromium VI (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	STLC Vanadium (mg/l)	Zinc (mg/kg)
UT2-15.0	0.5	10/18/2013	--	--	--	--	--	--			--	--	--	2.97	--	--	--	--	--	--	--		--
CL1-2.5	2.5	10/18/2013	<1.0	<0.3	134	<0.5	<0.5	232	0.471	0.024	<0.1	8.74	39.2	9.08	<0.01	<5.0	5.12	<1.0	<1.0	<1.0	205		71.6
CL2-5.0	0.5	10/18/2013	<1.0	<0.3	59.6	<0.5	<0.5	69.5	0.069		--	11.6	15.5	4.05	<0.01	<5.0	11.2	<1.0	<1.0	<1.0	101		75.7
RR1-0.5	0.5	10/18/2013	<1.0	<0.3	106	<0.5	<0.5	56.1	1.30		--	9.03	12.5	4.01	<0.01	<5.0	7.72	<1.0	<1.0	<1.0	84		73.4
RR1-2.5	2.5	10/18/2013	<1.0	<0.3	153	<0.5	<0.5	30.8			--	6.38	11.6	3.03	<0.01	<5.0	5.71	<1.0	<1.0	<1.0	86.5		53.5
RR2-0.5	0.5	10/18/2013	<1.0	<0.3	62.1	<0.5	<0.5	446	1.47	0.027	<0.1	6.70	39.4	7.62	<0.01	<5.0	5.15	<1.0	<1.0	<1.0	599	4.01	64.5
RR2-2.5	2.5	10/18/2013	<1.0	<0.3	67.2	<0.5	<0.5	48.8			--	10.1	18.8	8.08	<0.01	<5.0	9.39	<1.0	<1.0	<1.0	76.0		69.8
LY1-0.5	0.5	10/18/2013	<1.0	**2.53**	24.8	<0.5	<0.5	910	1.71	0.030	<0.1	5.51	33.0	9.31	<0.01	<5.0	3.99	<1.0	<1.0	<1.0	666	4.29	29.2
LY1-2.5	2.5	10/18/2013	<1.0	<0.3	54.2	<0.5	<0.5	32.6			--	8.23	10.2	3.14	<0.01	<5.0	7.33	<1.0	<1.0	<1.0	51.2		41.1
LY2-0.5	0.5	10/18/2013	<1.0	**2.60**	38.1	<0.5	<0.5	443	1.89	0.017	<0.1	16.5	88.8	25.1	<0.01	<5.0	10.4	<1.0	<1.0	<1.0	331	3.20	70.2
LY2-2.5	2.5	10/18/2013	<1.0	<0.3	55.4	<0.5	<0.5	35.9			--	7.52	12.8	15.9	<0.01	<5.0	7.44	<1.0	<1.0	<1.0	54.8		59.6
LY3-0.5	0.5	10/18/2013	<1.0	<0.3	39.2	<0.5	<0.5	1,160	2	0.030	<0.1	8.17	45.7	10.1	<0.01	<5.0	8.73	<1.0	<1.0	<1.0	623	3.97	85.9
LY3-2.5	2.5	10/18/2013	<1.0	<0.3	41.3	<0.5	<0.5	29.3			--	7.14	8.63	2.30	<0.01	<5.0	6.29	<1.0	<1.0	<1.0	46.0		34.9
LY4-0.5	0.5	10/18/2013	<1.0	<0.3	87.8	<0.5	<0.5	46.4			--	11.6	17.4	13.3	<0.01	<5.0	10.7	<1.0	<1.0	<1.0	80.9		77.3
LY4-2.5	2.5	10/18/2013	<1.0	<0.3	59.7	<0.5	<0.5	36.3			--	8.78	12.5	6.31	<0.01	<5.0	8.13	<1.0	<1.0	<1.0	59.2		54.0
LY5-0.5	0.5	10/18/2013	<1.0	<0.3	35.2	<0.5	<0.5	49.6			--	5.04	10.3	6.37	<0.01	<5.0	7.73	<1.0	<1.0	<1.0	67.5		56.8
LY5-2.5	2.5	10/18/2013	<1.0	0.231J	95.4	<0.5	<0.5	55.4	0.297		--	13.6	23.8	13.4	<0.01	<5.0	12.93	<1.0	<1.0	<1.0	95.0		84.0
LY6-0.5	0.5	10/18/2013	<1.0	**0.391**	126	<0.5	<0.5	167	0.712	0.023	--	7.87	39.5	13.9	<0.01	<5.0	9.59	<1.0	<1.0	<1.0	251	3.77	127
LY6-2.5	2.5	10/18/2013	<1.0	<0.3	25.6	<0.5	<0.5	56.9	0.078		--	4.29	4.44	3.21	<0.01	<5.0	4.20	<1.0	<1.0	<1.0	26.9		39.0
SG1-0.0	0	10/18/2013	<1.0	<0.3	26.7	<0.5	<0.5	712	2.69	0.053	<0.1	4.18	29.2	11.4	<0.01	<5.0	3.69	<1.0	<1.0	<1.0	692	3.40	41.1
SG1-0.5	0.5	10/18/2013	<1.0	<0.3	115	<0.5	<0.5	80.4	1.07		--	11.0	21.7	12.9	<0.01	<5.0	10.9	<1.0	<1.0	<1.0	105		89.8
SG1-1.0	1	10/18/2013	<1.0	<0.3	57.7	<0.5	<0.5	39.3			--	8.02	13.5	11.4	<0.01	<5.0	7.73	<1.0	<1.0	<1.0	58.6		60.0
SG2-0.0	0	10/18/2013	<1.0	**0.674**	41.2	<0.5	<0.5	438	1.77	0.054	<0.1	4.99	29.0	16.7	<0.01	<5.0	5.42	<1.0	<1.0	<1.0	358	4.29	54.4
SG2-0.5	0.5	10/18/2013	<1.0	<0.3	24.5	<0.5	<0.5	411	1.50	0.032	<0.1	6.91	36.1	13.1	<0.01	<5.0	6.93	<1.0	<1.0	<1.0	682	4.33	35.2
SG2-1.0	1	10/18/2013	<1.0	<0.3	58.4	<0.5	<0.5	34.8			--	7.97	11.9	8.48	<0.01	<5.0	7.81	<1.0	<1.0	<1.0	54.1		49.1
SG3-0.0	0	10/18/2013	<1.0	<0.3	68.3	<0.5	<0.5	147	1.04	0.036	--	3.26	17.8	9.61	<0.01	<5.0	3.50	<1.0	<1.0	<1.0	285	3.24	74.7
SG3-0.5	0.5	10/18/2013	<1.0	<0.3	102	<0.5	0.574	224	1.18	0.036	--	6.54	37.3	20.1	<0.01	<5.0	6.58	<1.0	<1.0	<1.0	358	3.27	198
SG3-1.0	1	10/18/2013	<1.0	**0.475**	87.9	<0.5	<0.5	50.7	0.252		--	12.62	21.5	15.9	<0.01	<5.0	12.5	<1.0	<1.0	<1.0	86.2		78.3
Screening Criteria																							
California Human Health Screening Level (CHHSL) for Commercial/Industrial Use 9/23/2010			380	0.24	63,000	190	7.5	100,000			37	3,200	38,000	320	180	4,800	16,000	4,800	4,800	63	6,700		100,000
USEPA Regional Screening Levels (RSLs) for Industrial Use May 2013			410	2.4	190,000	2,000	800	1,500,000			5.6	300	41,000	800	43	5,100	20,000	5,100	5,100	10	5,100		310,000
DTSC 2008 California Background**			--	12	--	--	--	--			--	--	--	--	--	--	--	--	--	--	--		--

Notes:

mg/kg = milligrams per kilogram
mg/l = milligrams per liter
ND = Not detected above the laboratory reporting detection limits
-- = Not analyzed/not applicable
** = Source: DTSC Determination of a Southern California Regional Background Arsenic Concentration in Soil (DTSC, 2008)
J = Trace concentration between the Method Detection Limit (MDL) and Practical Quantitation Limit (PQL)
BOLD Concentrations were bolded when they exceeded CHHSLs and/or RSLs

TABLE 3

Soil Analytical Results - PAHs

595 East Orange Show Road

San Bernardino, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	EPA Method 8310									
			Benzo(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Benzo(g,h,i)perylene (mg/kg)	Fluoranthene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
RR1-0.5	0.5	10/18/2013	**0.0160J**	**0.0404**	**0.0308**	**0.0179J**	**0.0281**	**0.0268**	**0.0328**	**0.0349**	**0.0141J**	**0.0437**
RR1-2.5	2.5	10/18/2013	**0.0156J**	**0.0275**	**0.0160J**	**0.0118J**	**0.0180J**	**0.0143J**	**0.0351**	**0.0284**	<0.020	**0.0317**
RR2-0.5	0.5	10/18/2013	<0.020	<0.020	**0.0143J**	<0.020	**0.0140J**	**0.0109J**	**0.0120J**	**0.0339**	**0.0155J**	**0.0226**
RR2-2.5	2.5	10/18/2013	<0.020	**0.0131J**	**0.0124J**	<0.020	**0.0176J**	**0.0101J**	**0.0222**	**0.0579**	**0.0152J**	**0.0464**
Screening Criteria												
California Human Health Screening Level (CHHSL) for Commercial/Industrial Use 9/23/2010			--	0.13	--	--	--	--	--	--	--	--
USEPA Region 9 Regional Screening Level (RSL) - Industrial Soil May 2013			2.1	0.21	2.1	21	210	2.1	--	22,000	--	17,000

Notes:

PAHs = Polynuclear aromatic hydrocarbons

mg/kg = milligrams per kilogram

ft bgs = Feet Below Ground Surface

-- = Not analyzed/not applicable

J = Trace concentration between the Method Detection Limit (MDL) and Practical Quantitation Limit (PQL)

APPENDIX A

APPENDIX A

References

California Regional Water Quality Control Board (CRWQCB), 1996, Interim Site Assessment and Cleanup Guidebook, Table 4-1, dated May 1996.

Department of Toxic Substances Control (DTSC,) Undated, Determination of a Southern California Regional Background Arsenic Concentration in Soil, by G. Chernoff, W. Bosan, and D. Oudiz, http://www.dtsc.ca.gov/upload/Background-Arsenic.pdf.

GHD, Phase I Environmental Site Assessment, Orange Show Property, East Orange Show Road and South Waterman Avenue, San Bernardino, California, Project # 8410759.01, August 29, 2013.

Office of Environmental Health Hazard Assessment, California Human Health Screening Levels, http://oehha.ca.gov/risk/chhsltable.html, September 23, 2010.

RGS Engineering Geology, Evaluation of Environmental Conditions, Home Lumber Company, 595 Orange Show Road, San Bernardino, California, October 16, 2003.

Tech/Art, Report on property owned by: Dennis L. & Milton E. Johnson in Yucaipa, CA & of properties in San Bernardino, CA adjacent to the Home Lumber Company. All of these properties are under review by the Fremont Financial Corporation as equity security for financing. Report of two “Phase 1 Environmental Site Assessments”, September 13, 1988.

United States Environmental Protection Agency, Region 9, Preliminary Remediation Goals (PRGs) Table, May 2013.

APPENDIX B

SubSurface Surveys
& Associates, Inc.
An Applied Geophysical Company

2075 Corte Del Nogal, Suite W
Carlsbad, CA 92011

Office: (760) 476-0492
Fax: (760) 476-0493

October 22, 2013

Project/Invoice No. 13-438

Leighton Consulting
41715 Enterprise Circle Road, Suite 103
Temecula, California 92590

Attn: Kristin Stout

Re: Geophysical Investigation Report, 595 E Orange Show Rd, San Bernardino, California

This report is to present the results of our geophysical survey carried out over areas within and in the vicinity of a vacant commercial facility located at 595 East Orange Show Road in San Bernardino, California (Figure 1). The survey was performed on October 17, 2013, and its primary purpose was to detect and delineate, insofar as possible, an existing underground fuel storage tank (UST), backfilled excavations resulting from their prior removal, and/or any UST-related pipes, conduits, and utilities still in place. A secondary objective was to detect and delineate, insofar as possible, a clarifier and associated drain line, a septic tank and associated leach field, and any other related sewer or wastewater lines. Lastly, ten (10) proposed boreholes were additionally investigated for any nearby pipes, conduits, utilities, or other underground obstructions to drilling.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were applied to the search. Utility locators with line tracing capabilities were also brought to the field and used where risers exist onto which a signal could be impressed and traced.

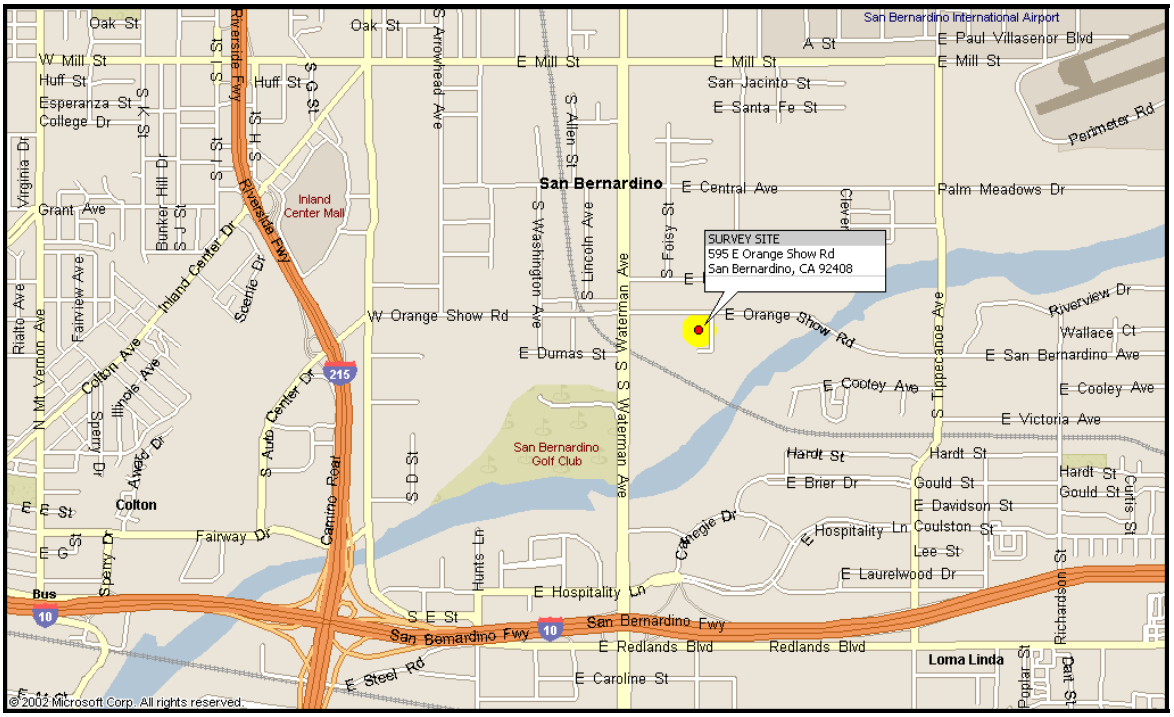


FIGURE 1. Site location map.

Survey Design – The areas of investigation were indicated in the field by the client. The clarifier and septic tank were visible at the ground surface and were both located south of the single building on site. The UST was positively confirmed by on-site personnel to have been previously removed, and its former location was also south of the building, south of the vehicle garages, and immediately under a new concrete slab. Lastly, of the ten boreholes additionally investigated, seven were in the immediately vicinity of the aforementioned areas of investigation. Three additional boreholes were located next to powerpoles, two of which were located off-site.

In site situations and survey objectives such as this, the best use of time was achieved by systematically free-traversing with the instruments while monitoring them continuously to determine which responses were significant and due to true subsurface targets, and which were due to other non-target or above-ground features and must be ignored (an example being reinforced concrete slabs). Where applicable, and depending on location, the EM devices, magnetic gradiometer, and GPR were traversed systematically over the survey areas in multiple, organized directions. Other traverses were taken for detailing and confirmation where anomalous conditions were found.

In addition, the line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals found in active electrical and communication lines.

Note that the various areas of investigation were distant from one another making the collection of geophysical data on a single grid very time consuming and thus prohibitive, while the collection of multiple smaller data grids would also have been equally protracted and unfeasible. Therefore hard copy of the geophysical data was not acquired, that is, discrete readings on the nodes of a grid were not recorded that could be put into a contoured map format. Rather, the instruments' meters were read continuously, and in real-time, during each traverse, with traverse location chosen so as to best detect and image targets in a quick and efficient manner. Note that the free-traversing method mentioned above allows for immediate detection of anomalous objects and facilitates the opportunity to immediately investigate them further, without the need to first download and process data in the office. The lack of hard copy for geophysical data sets does not degrade the quality of the survey in any way. Hard copy merely provides a basis for report documentation of these geophysical fields, if such documentation is needed.

A Geonic's model EM61, and a Fischer M-Scope, was used for the EM sampling. A Sensors & Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied – The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This

facilitates quick and accurate location of targets.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response as anomalous conditions. The strength of the secondary field is a function of the conductivity of the object; say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet below ground surface (bgs) for the M-Scope are sensed. The device is also somewhat focused; that is, it is more sensitive to conductors below the instrument than they are to conductors off to the side.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe’s surface projection.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover at the site using spray chalk, reported directly to the client’s site representative, and further documented with an interpretation map of the areas of investigation pertaining to the former UST, clarifier, septic tank, and associated leach field (Figure 2). Site photographs of all these findings are also shown in Figures 3-10 along with the seven proposed borehole locations. The three additional proposed boreholes adjacent to the powerpoles are shown in Figures 11-13. Lastly, a representative GPR profile is provided in Figure 14.

Items detected were marked on site in coordinated colors including red for electric, green for sewer and wastewater, light blue for water, and dark blue for firewater. White was used to mark out the edges of the septic tank and clarifier. Pink was used to mark out the boundaries of a backfilled excavation and a localized area of soil disturbance. Lastly, orange was used to mark out soil disturbances that are believed to be associated with the leach field emanating from the septic tank. All items were additionally marked with

like-colored feather chasers. Please review the site interpretation map and all site photographs for the locations and orientations of all items found within the designated survey areas.

The precise location of the former UST was indicated by on-site personnel and positively confirmed to have been previously removed. Likewise, no UST was geophysically detected in this location, and our confidence that none exists here is relatively high since there were few obstructions to effective surveying in this particular portion of the site. Items detected here did include a geophysically overt backfilled excavation showing that deep and aggressive digging had recently occurred here (Figure 14). An electric and water line was also found in the immediate vicinity as indicated in Figures 2-4. Note that the size of the backfilled excavation was approximately 38 feet north-south and 25 feet east-west.

A clarifier was detected in the location shown in Figures 2, 5, and 6, and was in size approximately 10 feet north-south and 7 feet east-west. It was also found to connect directly to the septic tank in the manner shown in Figure 2.

The individual leach lines emanating from the septic tank were not detectable. However, soil disturbances were detected with GPR that are likely the result of digging or excavating to install the lines. This region of soil disturbances attributed to the leach field measured 75 feet long north-south and 41 feet east-west at its widest portion at the southern end of the field. Also note that additional soil disturbances were detected with GPR along the eastern side of the septic tank but not on any other of its sides. It was not at all clear why this would be the case or the reasoning for this unusual asymmetry.

Based on all findings, seven proposed boreholes were placed in the locations shown in Figures 3, 5, 7-10. In their final locations, all boreholes, including the additional three adjacent to the powerpoles, were marked in white paint with a white pin flag or feather chaser and a painted yellow “SSS” to indicated that each had been checked by company personnel.

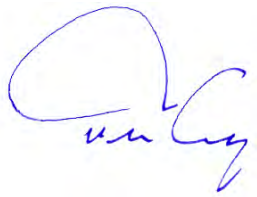
Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which such might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limited GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing or vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

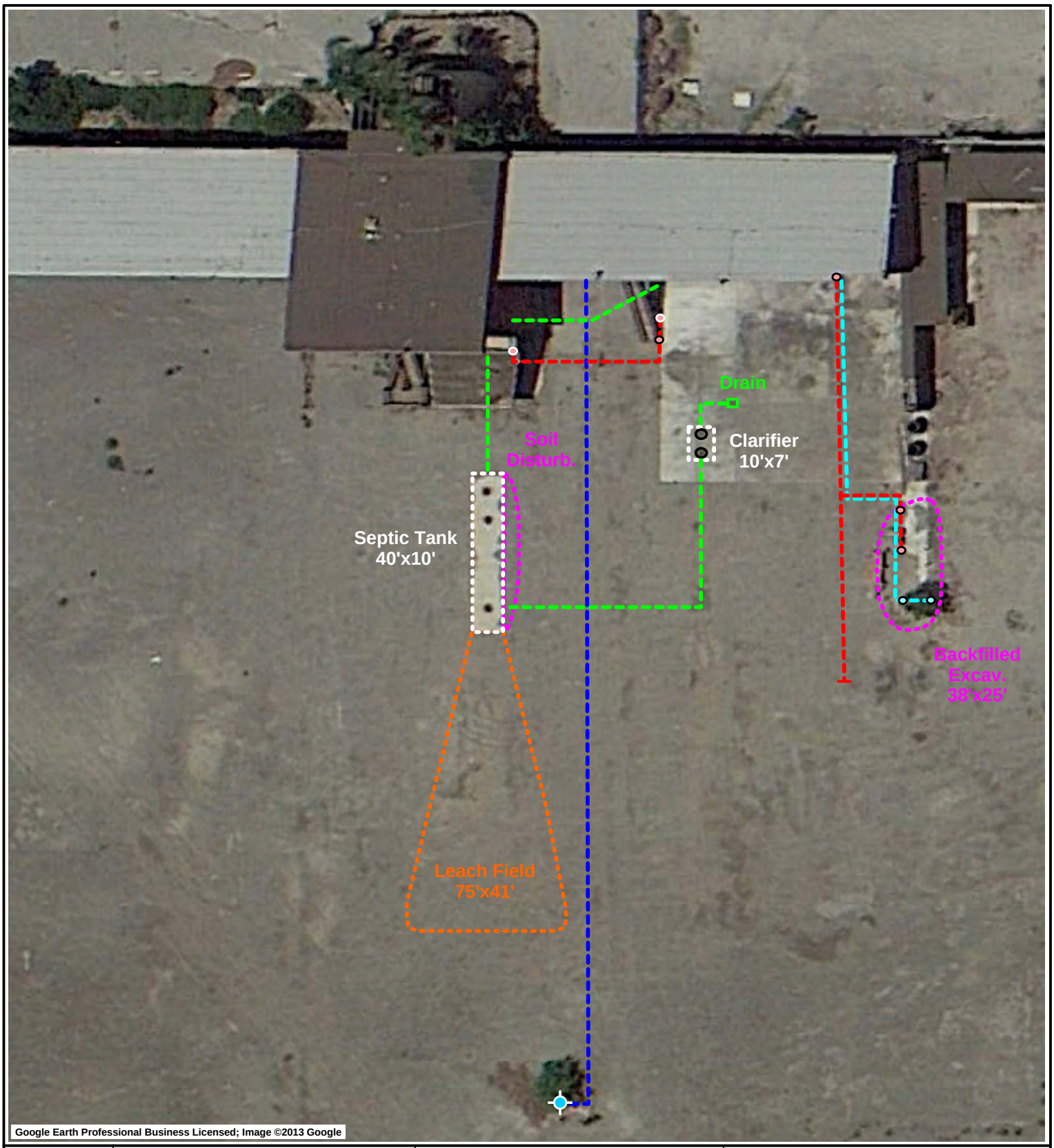
SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data generated on this project are in confidential file in this office, and are available for review by authorized persons at any time. The opportunity to participate in this investigation is very much appreciated. Please call, if there are questions.



Travis Crosby
California State Geophysics Registration GP1044
Senior Geophysicist, SubSurface Surveys



Sub Surface Surveys	SITE: **595 East Orange Show Road San Bernardino, California**	TITLE: **Site Interpretation Map**	SURVEY DATE: **October 17, 2013**
		PREPARED FOR: **Leighton Consulting**	SSS PROJECT NO: **13-438**

LEGEND:

- Electric
- Water
- Firewater
- Sewer/Drain
- Electric riser
- Water riser
- Fire hydrant

N

SCALE

0 34ft

FIGURE 2

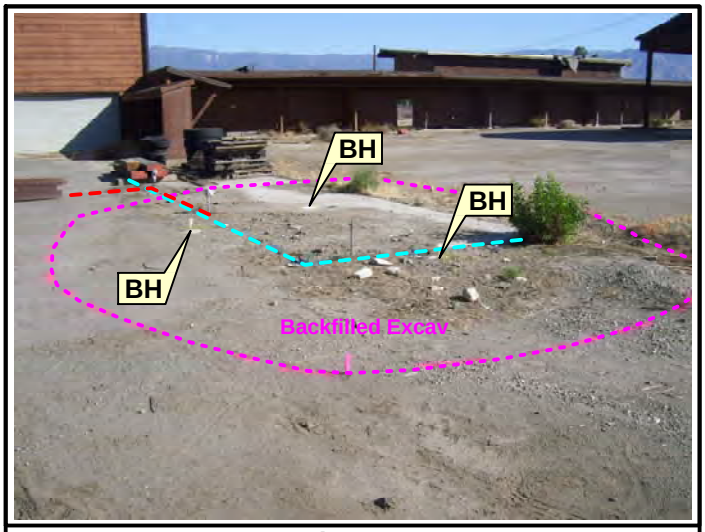


Figure 3

Figure 4

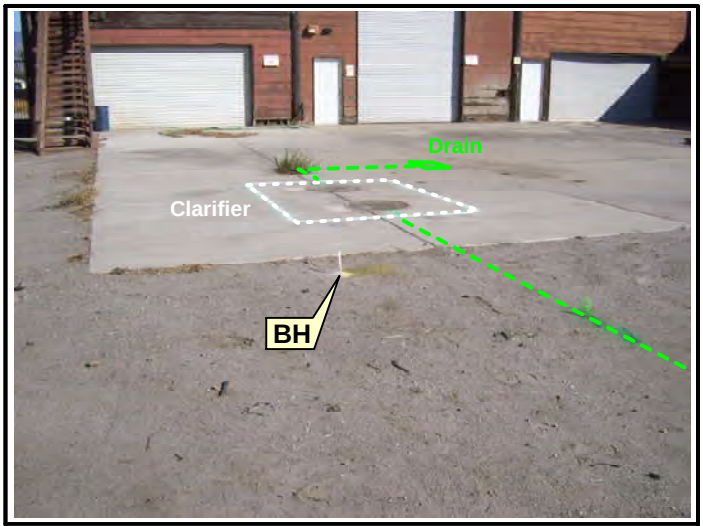


Figure 5

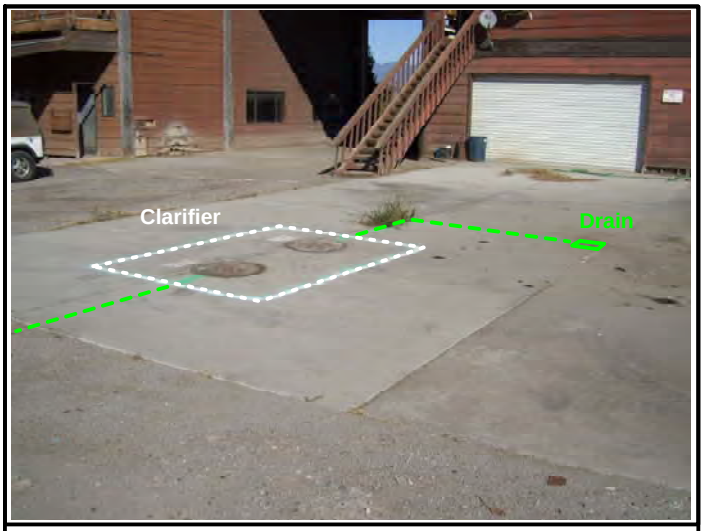


Figure 6

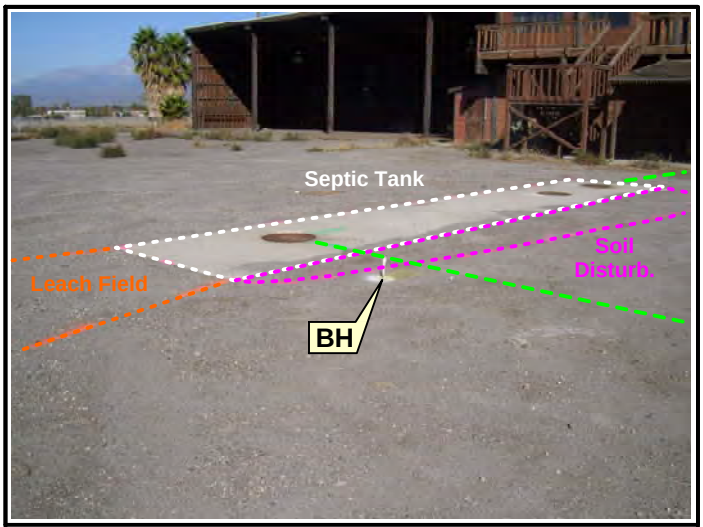


Figure 7

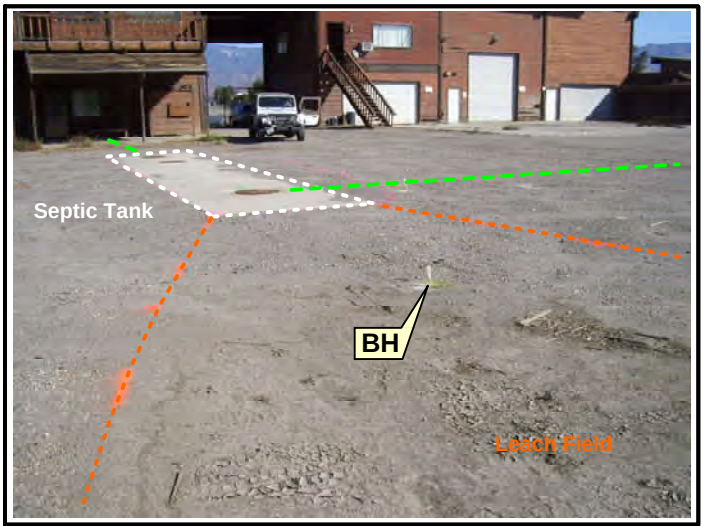


Figure 8

Sub Surface Surveys	SITE: **595 East Orange Show Road** **San Bernardino, California**	TITLE: **Anomaly & Borehole Photographs**	SURVEY DATE: **October 17, 2013**
		PREPARED FOR: **Leighton Consulting**	SSS PROJECT NO: **13-438**

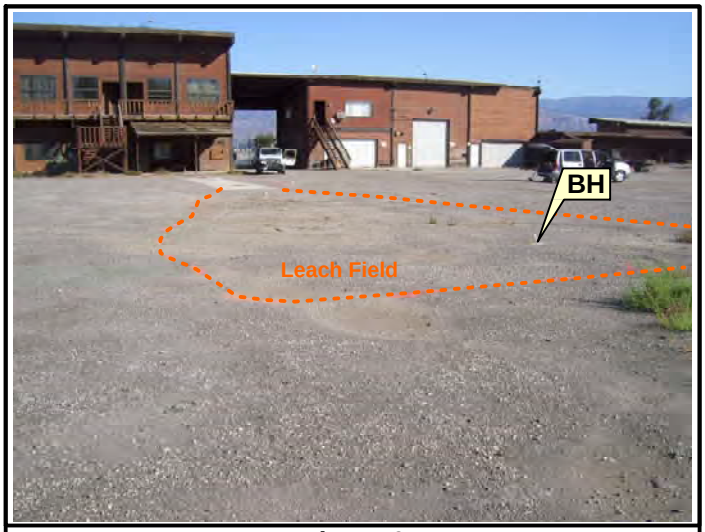


Figure 9

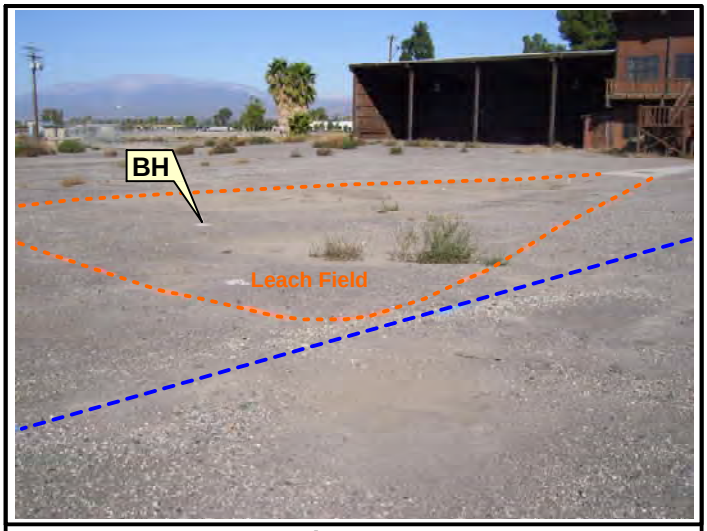


Figure 10

Figure 11

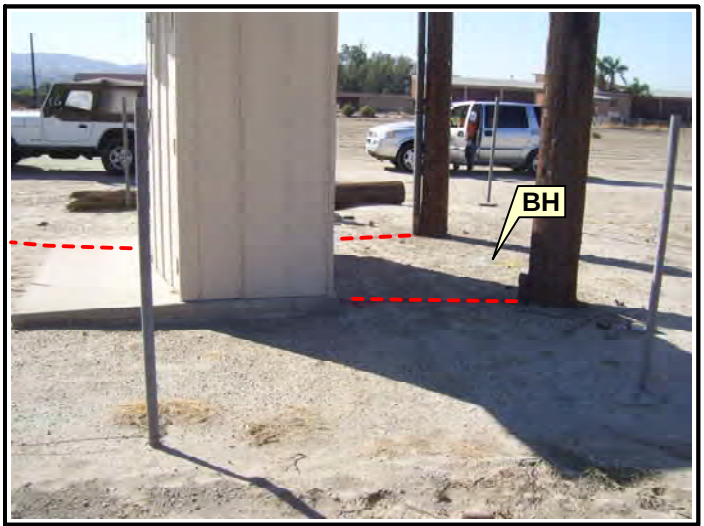


Figure 12

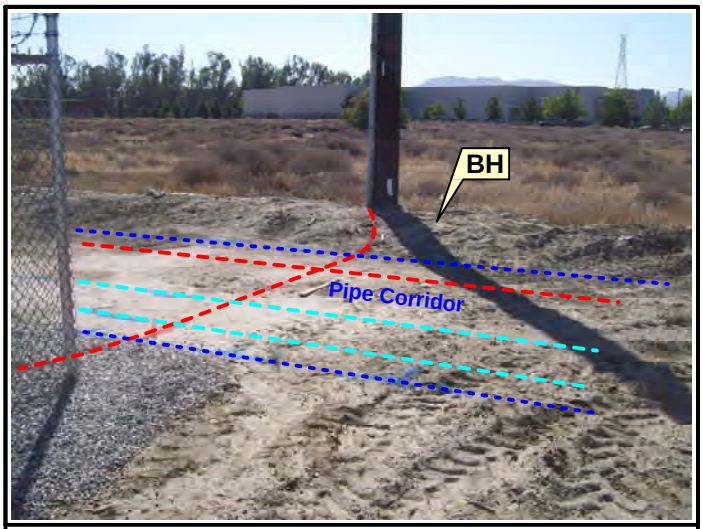


Figure 13

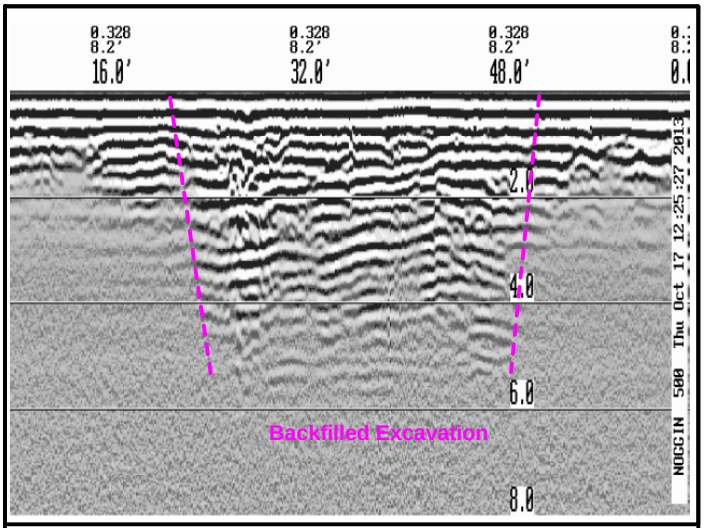


Figure 14

Sub Surface Surveys	SITE: **595 East Orange Show Road** **San Bernardino, California**	TITLE: **Anomaly & Borehole Photos, GPR Data**	SURVEY DATE: **October 17, 2013**
		PREPARED FOR: **Leighton Consulting**	SSS PROJECT NO: **13-438**

APPENDIX C

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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	CL1
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					1.2	SM		SILTY SAND with gravel, dark brown, dense, dry, fine to coarse, angular
5					1.1			SILTY SAND, brown, dense, dry, fine, angular
								Total Depth = 5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
10								
15								
20								
25								
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GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	CL2
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					0.3	SM		SILTY SAND, brown, dense, slightly moist, fine to medium , subangular
5					0.5	SP		POORLY GRADED SAND, light brown to white, loose, dry, fine, angular
								Total Depth = 5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	LY1
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					0.9	SP		POORLY GRADED SAND with silt, brown, medium dense, slightly moist, fine, angular
					1.0			POORLY GRADED SAND with silt, brown, medium dense, slightly moist, fine, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	LY2
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					1.0	SP		POORLY GRADED SAND, brown, loose, dry, fine, angular
					1.0			POORLY GRADED SAND, brown, loose, dry, fine, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	LY3
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					0.7	SM		SILTY SAND with gravel, dark brown, dense, dry, fine to coarse sand and gravel, angular
					1.4	SP		POORLY GRADED SAND, light brown to white, loose, dry, fine, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	LY4
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					1.1	SM		SILTY SAND with gravel, dark brown, loose, dry, fine to coarse sand and gravel, angular
					1.5			SILTY SAND, brown, loose, slightly moist, fine sand, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	LY5
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		SILTY SAND with gravel, dark gray brown, loose, dry, fine to coarse
						SP		POORLY GRADED SAND, light brown to white, medium dense, dry, fine, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	LY6
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					0.5	SM		SILTY SAND with gravel, dark gray brown, loose, dry, fine to coarse
					1.0	SP		POORLY GRADED SAND, light brown to white, medium dense, dry, fine, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	OS1
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					1.7	SM		SILTY SAND with gravel, dark brown to black, loose, dry, fine to coarse, angular, hydrocarbon odor
					1.0	SP		POORLY GRADED SAND, light tan, medium dense, dry, fine, angular
5					1.1			POORLY GRADED SAND, light tan, medium dense, dry, fine, angular
								Total Depth = 5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	RR1
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		SILTY SAND with gravel, brown, lose, dry, fine to coarse
						SP		POORLY GRADED SAND, light brown to white, loose, dry, fine, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	RR2
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					0.0	SM		SILTY SAND with gravel, gray brown, loose, dry, fine to coarse sand with fine gravel, angular
					1.3	SM		SILTY SAND, brown, medium dense, slightly moist, fine, poorly graded, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	SG1
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					0.8	SP		ASPHALT
					0.9			POORLY GRADED SAND with silt, brown, medium dense, slightly moist, fine, angular
								POORLY GRADED SAND with silt, brown, medium dense, slightly moist, fine, angular
								Total Depth = 2.5'
								No Groundwater Encountered
5								Boring Backfilled with drill cuttings and bentonite chips
10								
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GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	SG2
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
					0.7 1.4	SM SP		SILTY SAND with gravel, dark brown, loose, dry, fine to coarse, angular POORLY GRADED SAND, light brown to white, loose, dry, fine, angular
5								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
10								
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GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	SG3
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		SILTY SAND with gravel, dark gray brown, loose, dry, fine to coarse
						SP		POORLY GRADED SAND, light brown to white, medium dense, dry, fine, angular
								Total Depth = 2.5' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
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GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

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ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	SP1
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Light brown, loose, dry, fine, angular
5					0.3	SP		POORLY GRADED SAND, light brown, loose, dry, fine, angular
10					0.4			POORLY GRADED SAND, light brown, loose, dry, fine, angular
						SM		SILTY SAND, brown, medium dense, moist, fine, poorly graded, angular
15					0.9	SC		CLAYEY SAND, brown, medium dense, moist, fine, poorly graded, angular
20					1.1	CL		CLAY, brown, stiff, moist, medium plasticity
25								Total Depth = 20' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
30								
35								

GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

A Leighton Group Company

ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	SP2
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
5					0.5	SP		POORLY GRADED SAND, light brown, loose, dry, fine, angular
								POORLY GRADED SAND with silt, light brown, loose, dry, fine, angular
10					1.5			POORLY GRADED SAND, light brown, loose, dry, angular
15					1.0			POORLY GRADED SAND with silt, light brown, loose, dry, angular
						CL		SILTY CLAY, brown, medium dense, moist, low plasticity
20					0.5			CLAY, brown, medium dense, moist, medium plasticity
								Total Depth = 20' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
25								
30								
35								

GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

A Leighton Group Company

ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	UT1
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		SILTY SAND with gravel, brown, loose, dry, fine to coarse, well graded, angular to subangular, gravel fine to coarse
5					0.1	SW		WELL GRADED SAND with fine gravel, light tan to white, loose, dry, fine to coarse, angular
10					0.1	SP		POORLY GRADED SAND, light brown, loose, slightly moist, angular to subangular
15					0.0			POORLY GRADED SAND with silt, frown, medium dense, moist, fine, subangular
20					0.1	ML		CLAYEY SILT, greenish brown, medium stiff, moist, low to no plasticity
25								Total Depth = 20' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
30								
35								

GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

A Leighton Group Company

ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	UT2
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								4" Concrete
5					0.1	SW		WELL GRADED SAND, light tan to white, loose, dry, fine to coarse, angular to subangular
10					0.1	SP		POORLY GRADED SAND, light gray brown, medium dense, slightly moist, fine, angular
15					0.3			POORLY GRADED SAND, light gray brown, medium dense, slightly moist, fine, angular
20					0.7	SM		SILTY SAND, dark brown, medium dense, slightly moist, fine, angular
25								Total Depth = 20' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
30								
35								

GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

A Leighton Group Company

ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	UT3
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		SILTY SAND with gravel, brown, loose, dry, fine to coarse gravel, well graded, angular
5					0.0	SW		WELL GRADED SAND, light brown, loose, dry, fine to coarse, angular to subangular
10					0.9	SP		POORLY GRADED SAND, brown, medium dense, slightly moist, fine, angular
15					0.7	CL		CLAY, brown, soft, moist
20					1.1	SC		CLAYEY SAND, greenish brown, dense, slightly moist, poorly graded, subangular
25								Total Depth = 20' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
30								
35								

GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

A Leighton Group Company

ENVIRONMENTAL BORING LOG

PROJECT NUMBER	10463.001	**BORING/WELL NUMBER**	UT4
PROJECT NAME	595 Orange Show Road	**DATE DRILLED**	10/18/2013
LOCATION	San Bernardino	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Direct Push	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**GRAVEL PACK TYPE**	
GROUND ELEVATION		**GROUT TYPE/QUANTITY**	
TOP OF CASING		**DEPTH TO WATER**	
LOGGED BY	Zach Freeman	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		SILTY SAND with gravel, brown, loose, dry, fine to coarse, angular, fine to coarse gravel
5					0.2	SP		POORLY GRADED SAND, light brown, loose, dry, very fine to fine, angular
10					1.3			POOLY GRADED SAND with silt, medium brown, medium dense, fine, angular
15					1.3	SM		SILTY SAND, brown, medium dense, moist, fine, angular
20					1.1			SILTY SAND, brown, medium dense, moist, fine, angular
25								Total Depth = 20' No Groundwater Encountered Boring Backfilled with drill cuttings and bentonite chips
30								
35								

GE_SBL_OLD 10463.001 LOGS.GPJ LAEWNN01.GDT 10/30/13

APPENDIX D

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: October 28, 2013

Ms. Kristin Stout
Leighton Consulting
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

Project: **GHD Phase II ESA**
Project No.: **10463.001**
Lab I.D.: **131021-1 through -65**

Dear Ms. Stout:

The **analytical results** for the soil samples, received by our lab on October 21, 2013, are attached. The samples were received chilled, intact and with chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/22/13
DATE ANALYZED: 10/22-23/13
DATE REPORTED: 10/28/13

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B; PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
UT1-5.0	131021-1	ND	ND	ND	1
UT1-10.0	131021-2	ND	ND	ND	1
UT1-15.0	131021-3	ND	ND	ND	1
UT1-20.0	131021-4	ND	ND	ND	1
UT2-5.0	131021-5	ND	ND	ND	1
UT2-10.0	131021-6	ND	ND	ND	1
UT2-15.0	131021-7	ND	ND	ND	1
UT3-5.0	131021-8	ND	ND	ND	1
UT3-10.0	131021-9	ND	ND	ND	1
UT3-15.0	131021-10	ND	ND	ND	1
UT3-20.0	131021-11	ND	ND	ND	1
UT2-20.0	131021-12	ND	ND	ND	1
UT4-5.0	131021-13	ND	ND	ND	1
UT4-10.0	131021-14	ND	ND	ND	1
UT4-15.0	131021-15	ND	ND	ND	1
UT4-20.0	131021-16	ND	ND	ND	1
OS1-0.5	131021-17	ND	ND	33000	250
OS1-2.5	131021-18	ND	ND	193	1
OS1-5.0	131021-19	ND	ND	75.1	1
SP2-5.0	131021-20	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	MDL	5	5	25	
	PQL	10	10	50	

COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Leighton Consulting
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: GHD Phase II ESA
PROJECT No.: 10463.001
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/22/13
DATE ANALYZED: 10/22/13
DATE REPORTED: 10/28/13

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B; PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

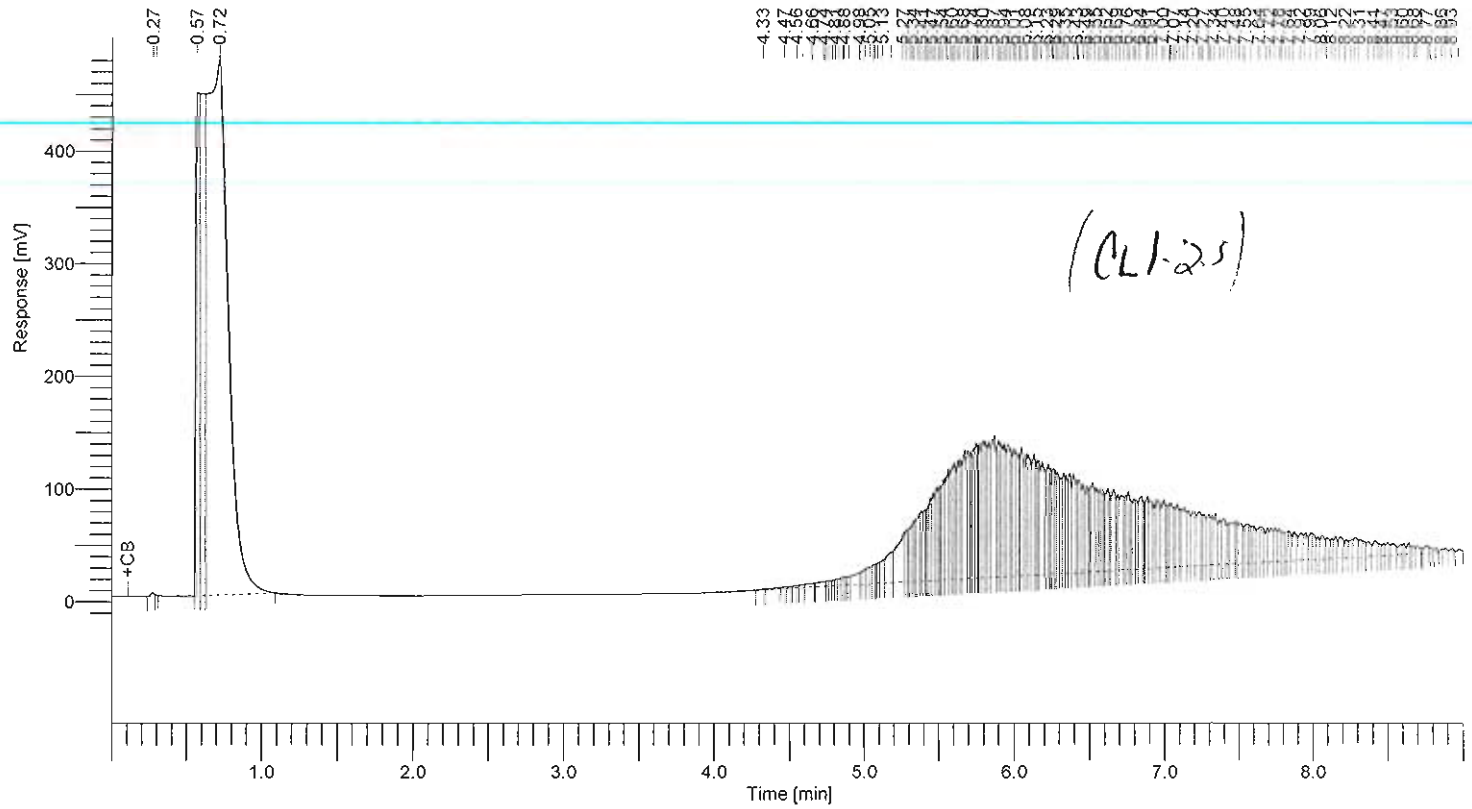
SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SP2-10.0	131021-21	ND	ND	ND	1
SP2-15.0	131021-22	ND	ND	ND	1
SP2-20.0	131021-23	ND	ND	ND	1
SP1-5.0	131021-24	ND	ND	ND	1
SP1-10.0	131021-25	ND	ND	ND	1
SP1-15.0	131021-26	ND	ND	ND	1
SP1-20.0	131021-27	ND	ND	ND	1
CL2-2.5	131021-28	ND	ND	ND	1
CL2-5.0	131021-29	ND	ND	ND	1
CL1-2.5	131021-30	ND	10.0*	205	1
CL1-5.0	131021-31	ND	ND	ND	1
RR1-0.5	131021-32	ND	ND	ND	1
RR1-2.5	131021-33	ND	ND	ND	1
RR2-0.5	131021-34	ND	ND	ND	1
RR2-2.5	131021-35	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	MDL	5	5	25	
	PQL	10	10	50	

COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version	: 6.3.2.0646	Date	: 10/23/2013 8:39:28 AM
Sample Name	: 131021-30 20/2	Data Acquisition Time	: 10/22/2013 7:19:45 PM
Instrument Name	: GC-I	Channel	: A
Rack/Vial	: 0/37	Operator	: Manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 41		

Result File : D:\GC DATA\GC-I\I02013\I1310\I131022\A041.rst
Sequence File : D:\GC DATA\GC-I\I02013\I1310\I131022\I131022.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C11-C22	595145	100.2
C23-C35	11230502	2046.1
	11825647	2146.3

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 10/22-23/2013 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **131021-01 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	216	**108%**	208	**104%**	**4%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	215	**108%**	**75-125**

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 10/22/2013 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **131021-21 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	208	**104%**	206	**103%**	**1%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	211	**106%**	**75-125**

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/22/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

PCBs ANALYSIS
METHOD: EPA 8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
TR1-0.5	131021-58	ND	ND	ND	ND	ND	ND	ND	ND	10^
TR2-0.5	131021-59	ND	ND	ND	ND	ND	ND	ND	ND	10^
TR3-0.5	131021-61	ND	ND	ND	ND	ND	ND	ND	ND	10^
PT2B	131021-65	ND	ND	ND	ND	ND	ND	ND	ND	10^
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	MDL	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
	PQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

COMMENTS
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
^ = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE
* = SUM OF THE PCB 1016, 1221, 1232, 1242, 1248, 1254 AND 1260
*** = THE CONCENTRATION EXCEEDS THE TTLC LIMIT OF 50, AND THE SAMPLE IS DEFINED AS HAZARDOUS WASTE AS PER CCR-TITLE 22 (IF MARKED)

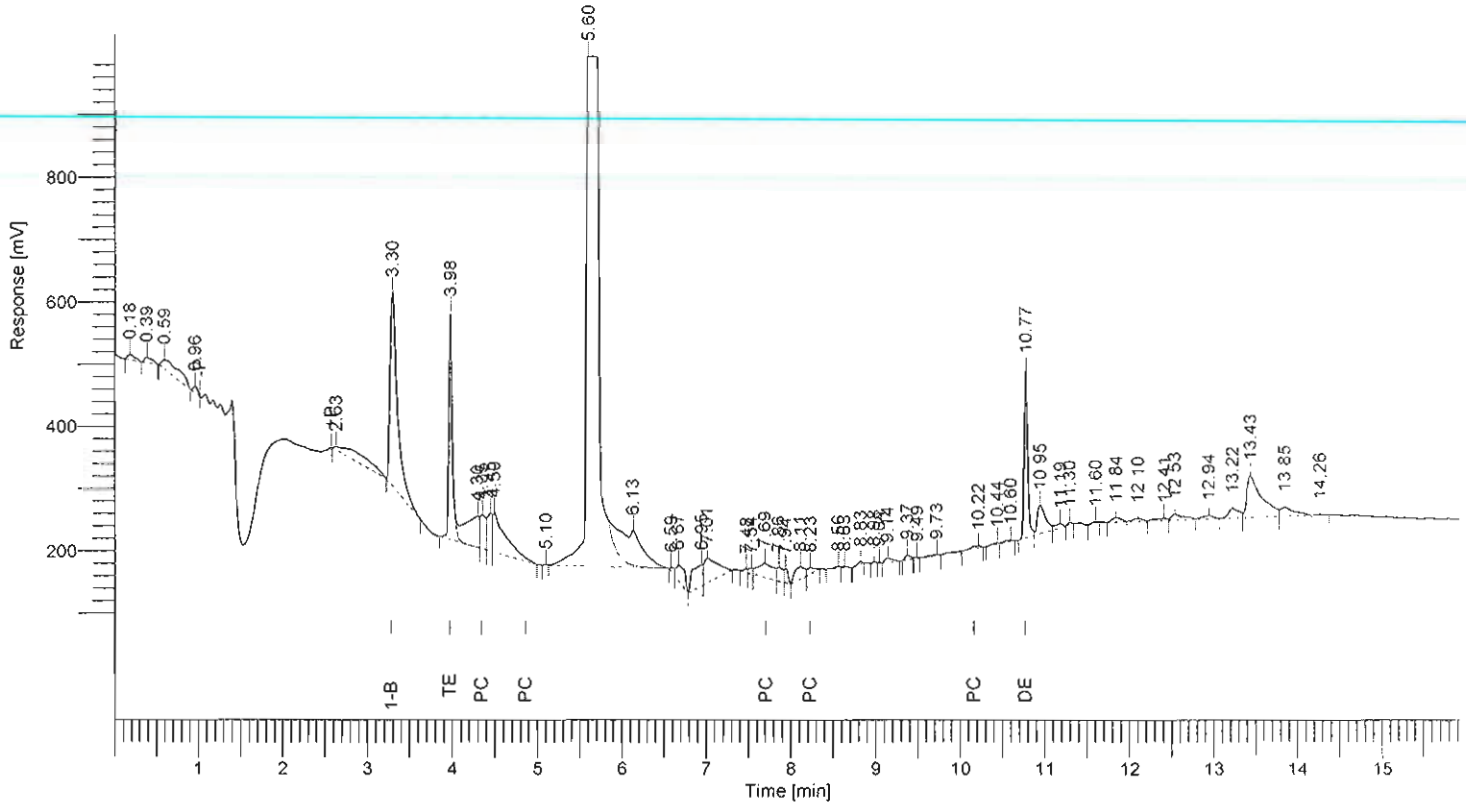
Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Sample Name : 131021-58 20/20
Instrument Name : GC-J
Rack/Vial : 0/10
Sample Amount : 1.000000
Cycle : 7

Date : 10/23/2013 3:37:22 PM
Data Acquisition Time : 10/23/2013 10:21:46 AM
Channel : A
Operator : Manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-J\J02013\J1310\J131023\A007.rst
Sequence File : D:\GC DATA\GC-J\J02013\J1310\J131023\J131023.seq

(TRI-0.5)



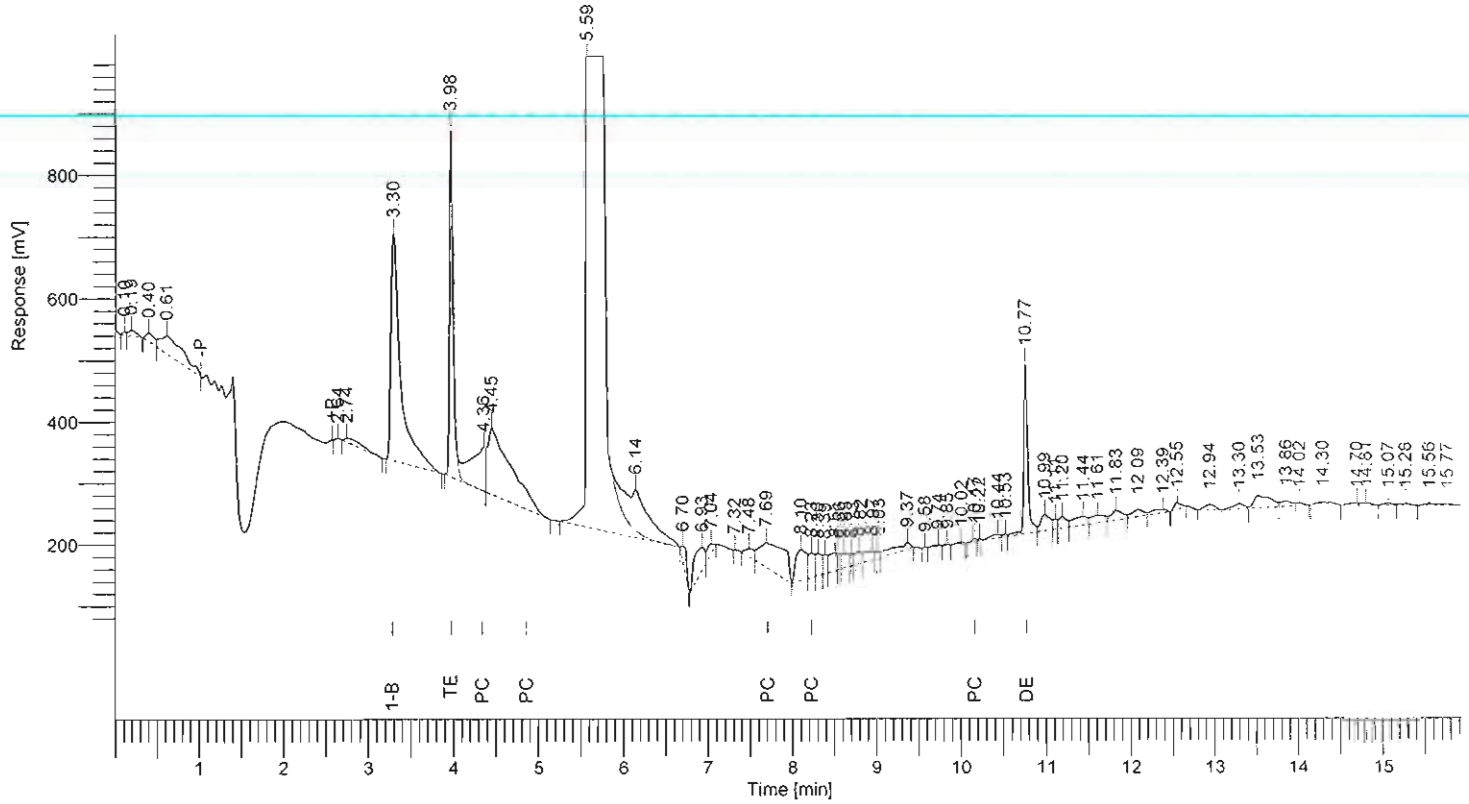
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
6	1-Bromo-2-Nitrobenzene	3.30	1880361.39	310196.50	----------
7	Tetra chloro-meta-xylene	3.98	1076845.04	352810.28	89.662
	PCB (1016+1260)	4.35	625089.81	90298.83	0.310
38	Decachlorobiphenyl	10.77	793912.87	265044.09	75.586
			4376209.11	1018349.70	165.559

Software Version	: 6.3.2.0646	Date	: 10/23/2013 3:37:24 PM
Sample Name	: 131021-59 20/20	Data Acquisition Time	: 10/23/2013 10:42:47 AM
Instrument Name	: GC-J	Channel	: A
Rack/Vial	: 0/11	Operator	: Manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 8		

Result File : D:\GC DATA\GC-J\J02013\J1310\J131023\A008.rst
Sequence File : D:\GC DATA\GC-J\J02013\J1310\J131023\J131023.seq

(TR2-0.5)



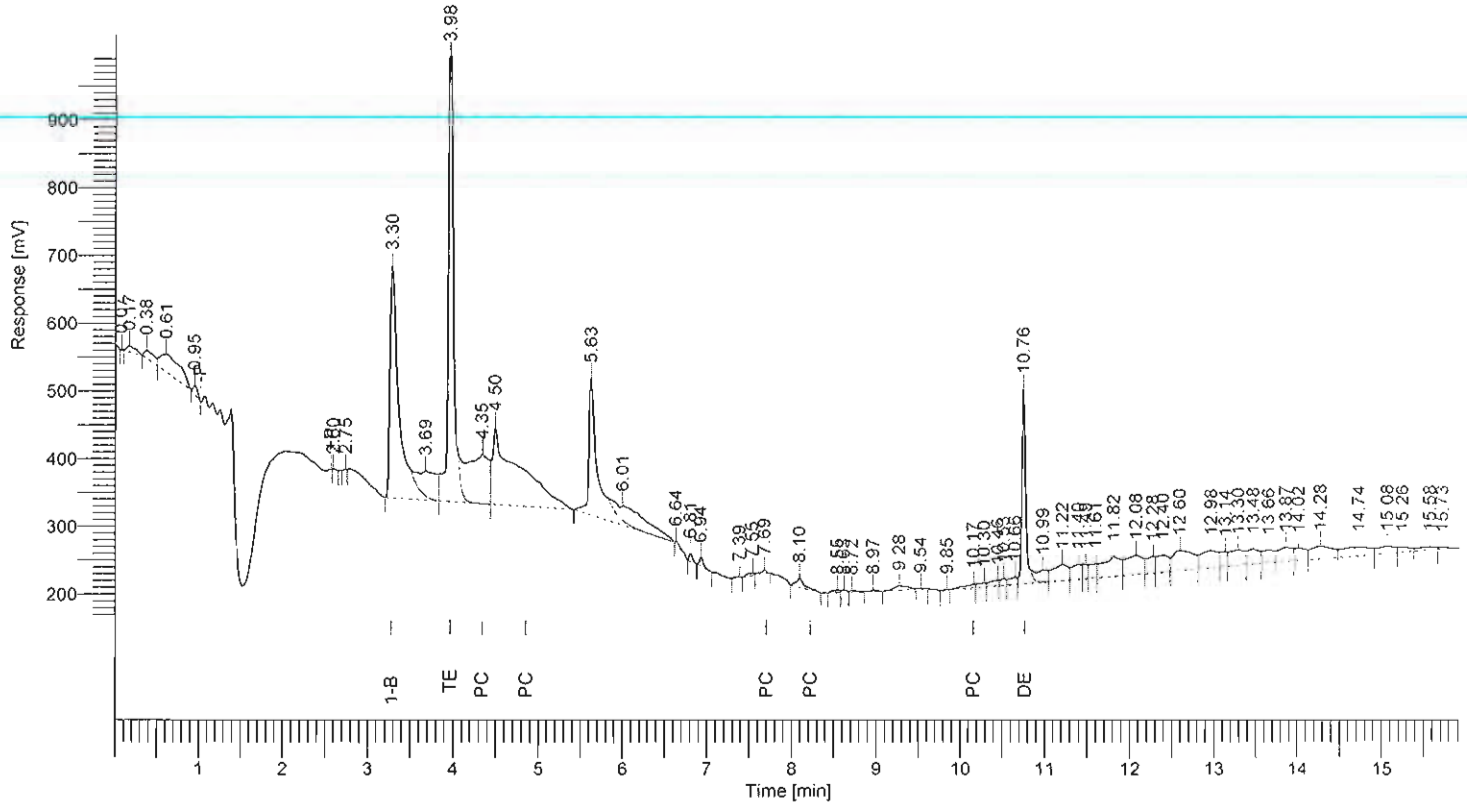
PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
7	1-Bromo-2-Nitrobenzene	3.30	2956493.43	371173.32	----------
8	Tetra chloro-meta-xylene	3.98	1694896.95	549712.09	89.756
	PCB (1016+1260)	4.36	2042561.70	157231.04	0.645
39	Decachlorobiphenyl	10.77	903069.64	272482.77	54.683
			7597021.72	1350599.22	145.085

Software Version	: 6.3.2.0646	Date	: 10/23/2013 3:37:26 PM
Sample Name	: 131021-61 20/20	Data Acquisition Time	: 10/23/2013 11:03:48 AM
Instrument Name	: GC-J	Channel	: A
Rack/Vial	: 0/12	Operator	: Manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 9		

Result File : D:\GC DATA\GC-J\J02013\J1310\J131023\A009.rst
Sequence File : D:\GC DATA\GC-J\J02013\J1310\J131023\J131023.seq

(TR3-0.5)



PCB Results

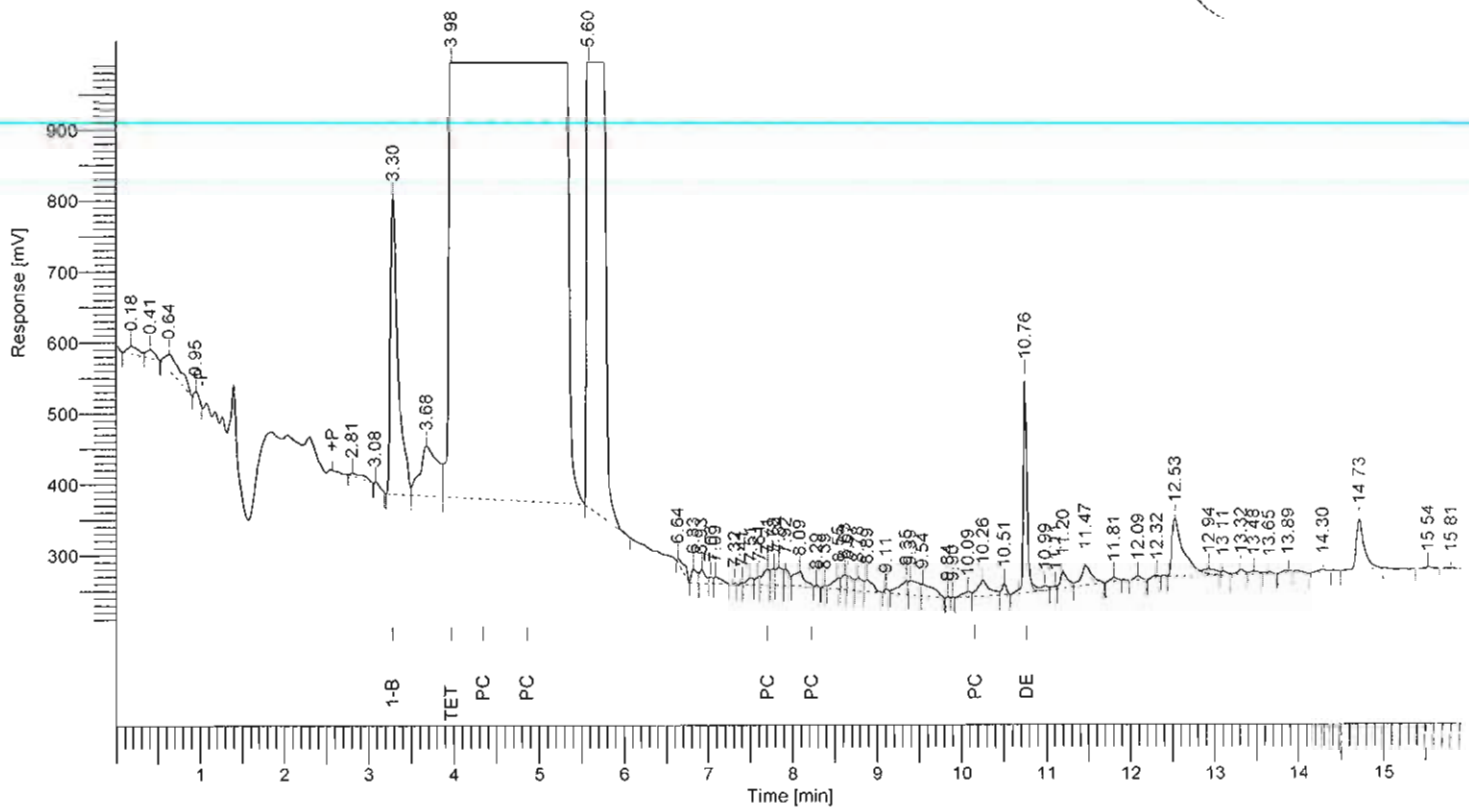
Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
8	1-Bromo-2-Nitrobenzene	3.30	2556245.77	343509.08	----------
10	Tetra chloro-meta-xylene	3.98	2960435.67	686050.01	181.323
	PCB (1016+1260)	4.35	1492880.17	98166.64	0.545
34	Decachlorobiphenyl	10.76	915408.75	279924.87	64.110
			7924970.37	1407650.60	245.977

Software Version : 6.3.2.0646
Sample Name : 131021-65 20/20
Instrument Name : GC-J
Rack/Vial : 0/13
Sample Amount : 1.000000
Cycle : 10

Date : 10/23/2013 3:37:28 PM
Data Acquisition Time : 10/23/2013 11:24:49 AM
Channel : A
Operator : Manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-J\J02013\J1310\J131023\A010.rst
Sequence File : D:\GC DATA\GC-J\J02013\J1310\J131023\J131023.seq

Pt-2B



PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
7	1-Bromo-2-Nitrobenzene	3.30	2617419.67	418746.73	----------
9	Tetra chloro-meta-xylene	3.98	53165306.11	612380.21	3180.196
	PCB (1016+1260)	7.71	181331.68	31072.28	0.065
41	Decachlorobiphenyl	10.76	925756.58	294987.69	63.319
			56889814.06	1357186.90	3243.579

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Soil/Solid/Liquid/Sludge** Date Analyzed: **10/23/2013**

Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **131023-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.00	0.100	0.111	**111%**	0.112	**112%**	**1%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.115	**115%**	**75-125**

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: WIPE
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/21/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

PCBs ANALYSIS
METHOD: EPA 8082
UNITS: uG/SAMPLE = MICROGRAM PER SAMPLE

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
PT1	131021-63	ND	ND	ND	ND	ND	ND	ND	ND	1
PT2A	131021-64	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	MDL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	PQL	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	

COMMENTS:
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = SUM OF THE PCB 1016, 1221, 1232, 1242, 1248, 1254 AND 1260

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Wipe** Date Analyzed: **10/21-22/2013**

Unit: ug / 100 cm^2

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **131021-LCS1/2**

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	19.9	**100%**	22.9	**115%**	**14%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	23.4	**117%**	**75-125**

spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: _____

Final Reviewer: _____

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT2-15.0** — LAB I.D.: 131021-7

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Lead(Pb)	2.97	0.5	0.192	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **CL2-5.0**
LAB I.D.: 131021-29

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	59.6	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	69.5 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.6	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	15.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	4.05	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	11.2	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	101	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	75.7	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **CL1-2.5** — LAB I.D.: 131021-30

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	134	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	232 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.74	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	39.2	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	9.08	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	5.12	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	205	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	71.6	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **RR1-0.5** — LAB I.D.: 131021-32

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	106	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	56.1 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	9.03	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	4.01	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	7.72	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	84.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	73.4	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **RR1-2.5** — LAB I.D.: 131021-33

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	153	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	30.8	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	6.38	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.6	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	3.03	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	5.71	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	86.5	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	53.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **RR2-0.5**
LAB I.D.: 131021-34

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	62.1	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	446 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	6.70	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	39.4	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	7.62	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	5.15	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	599 *	5.0	0.171	10	2,400	24	6010B
Zinc(Zn)	64.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **RR2-2.5** — LAB I.D.: 131021-35

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	67.2	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	48.8	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.1	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	18.8	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	8.08	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	9.39	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	76.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	69.8	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY2-0.5**
LAB I.D.: 131021-36

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	2.60	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	38.1	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	443 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	16.5	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	88.8	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	25.1	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	10.4	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	331 *	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	70.2	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY2-2.5**
LAB I.D.: 131021-37

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	55.4	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	35.9	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	7.52	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.8	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	15.9	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	7.44	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	54.8	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	59.6	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG1-0.0** — LAB I.D.: 131021-38

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	26.7	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	712 **	0.5	0.138	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	4.18	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	29.2	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	11.4	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	3.69	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	692 *	5.0	0.171	10	2,400	24	6010B
Zinc(Zn)	41.1	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG1-0.5** — LAB I.D.: 131021-39

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	115	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	80.4 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.0	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	21.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	12.9	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	10.9	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	105	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	89.8	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG1-1.0** — LAB I.D.: 131021-40

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	57.7	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	39.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.02	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	13.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	11.4	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	7.73	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	58.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	60.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

METHOD BLANK FOR LAB I.D.: 131021-7, -29, -30, -32 THROUGH -40

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY1-0.5**
LAB I.D.: 131021-41

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	2.53	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	24.8	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	910 **	0.5	0.138	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	5.51	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	33.0	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	9.31	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	3.99	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	666 *	5.0	0.171	10	2,400	24	6010B
Zinc(Zn)	29.2	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY1-2.5**
LAB I.D.: 131021-42

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	54.2	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	32.6	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.23	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.2	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	3.14	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	7.33	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	51.2	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	41.1	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21&23/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG2-0.0** — LAB I.D.: 131021-43

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.674	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	41.2	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	438 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	4.99	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	29.0	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	16.7	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	5.42	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	358 *	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	54.4	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG2-0.5**
LAB I.D.: 131021-44

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	24.5	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	411 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	6.91	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	36.1	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	13.1	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	6.93	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	682 *	5.0	0.171	10	2,400	24	6010B
Zinc(Zn)	35.2	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21&23/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG2-1.0** — LAB I.D.: 131021-45

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	58.4	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.8	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	7.97	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.9	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	8.48	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	7.81	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	54.1	5.0	0.171	10	2,400	24	6010B
Zinc(Zn)	49.1	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21&23/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY3-0.5** — LAB I.D.: 131021-46

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	39.2	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	1,160 **	0.5	0.138	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.17	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	45.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	10.1	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	8.73	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	623 *	5.0	0.171	10	2,400	24	6010B
Zinc(Zn)	85.9	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY3-2.5**
LAB I.D.: 131021-47

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	41.3	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	29.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	7.14	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	8.63	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	2.30	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	6.29	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	46.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	34.9	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13
DATE ANALYZED: 10/21&23/13
REPORT TO: MS. KRISTIN STOUT
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY4-0.5**
LAB I.D.: 131021-48

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	87.8	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	46.4	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.6	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	17.4	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	13.3	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	10.7	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	80.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	77.3	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21&23/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY4-2.5** — LAB I.D.: 131021-49

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	59.7	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	36.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.78	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	6.31	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	8.13	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	59.2	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	54.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY6-0.5**
LAB I.D.: 131021-50

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.391	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	126	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	167 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	7.87	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	39.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	13.9	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	9.59	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	251 *	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	127	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY5-0.5**
LAB I.D.: 131021-52

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	35.2	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	49.6	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	5.04	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.3	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	6.37	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	7.73	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	67.5	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	56.8	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY5-2.5**
LAB I.D.: 131021-53

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.231J	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	95.4	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	55.4 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	13.6	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	23.8	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	13.4	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	12.93	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	95.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	84.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21&23/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG3-0.0** — LAB I.D.: 131021-54

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	68.3	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	147 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	3.26	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	17.8	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	9.61	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	3.50	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	285 *	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	74.7	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG3-0.5**
LAB I.D.: 131021-55

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	102	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	0.574	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	224 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	6.54	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	37.3	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	20.1	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	6.58	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	358 *	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	198	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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** = Additional Analysis required, please call to discuss (if marked)
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-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21&23/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SG3-1.0** — LAB I.D.: 131021-56

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.475	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	87.9	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	50.7 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	12.62	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	21.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	15.9	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	12.5	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	86.2	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	78.3	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21&23/13
DATE REPORTED: 10/28/13

METHOD BLANK FOR LAB I.D.: 131021-41 THROUGH -50, -52 THROUGH -56

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

(Page 2 of 2)

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 10/23/2013

Mercury Analysis Date : 10/21/2013

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	131021-42	50.0	99	PASS	0	50	44.7	89%	44.5	89%	0%
Arsenic (As)	131021-42	50.0	99	PASS	0	50	45.8	92%	45.6	91%	0%
Barium (Ba)	131021-42	50.0	100	PASS	54.2	50	103	98%	103	98%	0%
Beryllium (Be)	131021-42	50.0	98	PASS	0	50	46.6	93%	46.3	93%	1%
Cadmium (Cd)	131021-42	50.0	101	PASS	0	50	46.9	94%	46.6	93%	1%
Chromium (Cr)	131021-42	50.0	97	PASS	32.6	50	76.2	87%	76.3	87%	0%
Cobalt (Co)	131021-42	50.0	100	PASS	8.23	50	49.6	83%	49.4	82%	0%
Copper (Cu)	131021-42	50.0	101	PASS	10.2	50	56.1	92%	56.0	92%	0%
Lead (Pb)	131021-42	50.0	101	PASS	3.14	50	47.3	88%	47.3	88%	0%
Mercury (Hg)	131021-56	0.125	92	PASS	0	0.125	0.106	85%	0.108	86%	2%
Molybdenum(Mo)	131021-42	50.0	100	PASS	0	50	44.1	88%	44.1	88%	0%
Nickel (Ni)	131021-42	50.0	100	PASS	7.33	50	52.5	90%	52.4	90%	0%
Selenium (Se)	131021-42	50.0	97	PASS	0	50	46.0	92%	45.7	91%	1%
Silver (Ag)	131021-42	50.0	100	PASS	0	5.0	4.22	84%	4.22	84%	0%
Thallium (Tl)	131021-42	50.0	102	PASS	0	50	36.9	74%	36.8	74%	0%
Vanadium (V)	131021-42	50.0	97	PASS	51.2	50	97.3	92%	97.3	92%	0%
Zinc (Zn)	131021-42	50.0	103	PASS	41.1	50	89.0	96%	89.0	96%	0%

ANALYST: _____

FINAL REVIEWER: _____

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 10/21/2013
Mercury Analysis Date : 10/21/2013

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	131018-56	50.0	97	PASS	0	50	46.0	92%	47.2	94%	3%
Arsenic (As)	131018-56	50.0	103	PASS	0.568	50	53.0	105%	54.3	107%	2%
Barium (Ba)	131018-56	50.0	104	PASS	13.7	50	93.7	160%	94.9	162%	1%
Beryllium (Be)	131018-56	50.0	100	PASS	0	50	49.4	99%	50.2	100%	2%
Cadmium (Cd)	131018-56	50.0	99	PASS	0	50	45.1	90%	46.0	92%	2%
Chromium (Cr)	131018-56	50.0	92	PASS	6.94	50	47.6	81%	48.1	82%	1%
Cobalt (Co)	131018-56	50.0	99	PASS	1.21	50	46.9	91%	48.0	94%	2%
Copper (Cu)	131018-56	50.0	102	PASS	3.86	50	60.1	112%	66.4	125%	11%
Lead (Pb)	131018-56	50.0	100	PASS	2.84	50	48.1	91%	48.9	92%	2%
Mercury (Hg)	131021-49	0.125	94	PASS	0	0.125	0.116	93%	0.111	89%	4%
Molybdenum(Mo)	131018-56	50.0	105	PASS	0	50	50.1	100%	51.3	103%	2%
Nickel (Ni)	131018-56	50.0	102	PASS	0	50	47.7	95%	48.6	97%	2%
Selenium (Se)	131018-56	50.0	95	PASS	0	50	49.7	99%	50.9	102%	2%
Silver (Ag)	131018-56	50.0	106	PASS	0	5.0	4.77	95%	4.86	97%	2%
Thallium (Tl)	131018-56	50.0	96	PASS	0	50	42.9	86%	43.9	88%	2%
Vanadium (V)	131018-56	50.0	104	PASS	15.4	50	90.3	150%	91.2	152%	1%
Zinc (Zn)	131018-56	50.0	107	PASS	11.6	50	88.8	154%	90.6	158%	2%

ANALYST: _____

FINAL REVIEWER: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/28/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY6-2.5** — LAB I.D.: 131021-51

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	25.6	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	56.9 **	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	4.29	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	4.44	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	3.21	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	4.20	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	26.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	39.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/28/13
DATE REPORTED: 10/28/13

METHOD BLANK FOR LAB I.D.: 131021-51

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.3	0.248	1	500	5.0	6010B
Barium(Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL *MATRIX*

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 10/28/2013

Mercury Analysis Date : 10/28/2013

Unit : *mg/Kg(ppm)*

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	131023-40	50.0	100	*PASS*	71.3	50	122	101%	122	101%	0%
Arsenic (As)	131023-40	50.0	102	*PASS*	0	50	50.0	100%	50.2	100%	0%
Barium (Ba)	131023-40	50.0	95	*PASS*	0	50	53.5	107%	53.9	108%	1%
Beryllium (Be)	131023-40	50.0	93	*PASS*	0	50	46.3	93%	46.2	92%	0%
Cadmium (Cd)	131023-40	50.0	104	*PASS*	9.29	50	64.0	109%	64.4	110%	1%
Chromium (Cr)	131023-40	50.0	97	*PASS*	3.05	50	51.9	98%	51.7	97%	0%
Cobalt (Co)	131023-40	50.0	102	*PASS*	0	50	49.9	100%	50.2	100%	1%
Copper (Cu)	131023-40	50.0	103	*PASS*	3.92	50	55.5	103%	55.8	104%	1%
Lead (Pb)	131023-40	50.0	104	*PASS*	26.5	50	78.1	103%	78.7	104%	1%
Mercury (Hg)	131025-93	0.125	91	*PASS*	0	0.125	0.108	86%	0.109	87%	1%
Molybdenum(Mo)	131023-40	50.0	103	*PASS*	105	50	154	98%	154	98%	0%
Nickel (Ni)	131023-40	50.0	97	*PASS*	0	50	49.3	99%	49.0	98%	1%
Selenium (Se)	131023-40	50.0	100	*PASS*	0	50	53.7	107%	54.1	108%	1%
Silver (Ag)	131023-40	50.0	104	*PASS*	0	5.0	4.62	92%	4.67	93%	1%
Thallium (Tl)	131023-40	50.0	105	*PASS*	0	50	52.5	105%	52.8	106%	1%
Vanadium (V)	131023-40	50.0	94	*PASS*	0	50	45.8	92%	45.7	91%	0%
Zinc (Zn)	131023-40	50.0	106	*PASS*	27.2	50	76.4	98%	80.7	107%	8%

ANALYST: _____

FINAL REVIEWER: CM

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21-22/13
DATE REPORTED: 10/28/13

EPA 5030B/8260B FOR FUEL OXYGENATES
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	ETBE	DIPE	MTBE	TAME	TBA	DF
UT1-10.0	131021-2	ND	ND	ND	ND	ND	1
UT3-20.0	131021-11	ND	ND	ND	ND	ND	1
UT2-20.0	131021-12	ND	ND	ND	ND	ND	1
UT4-15.0	131021-15	ND	ND	ND	ND	ND	1
SP2-10.0	131021-21	ND	ND	ND	ND	ND	1
SP1-20.0	131021-27	ND	ND	ND	ND	ND	1
CL2-5.0	131021-29	ND	ND	ND	ND	ND	1
CL1-2.5	131021-30	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	1
	MDL	0.005	0.005	0.002	0.005	0.02	
	PQL	0.01	0.01	0.005	0.01	0.05	

COMMENTS:
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
ETBE = ETHYL tert-BUTYL ETHER
DIPE = ISOPROPYL ETHER
MTBE = METHYL tert-BUTYL ETHER
TAME = TERT-AMYL METHYL ETHER
TBA = TERTIARY BUTYL ALCOHOL

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT1-10.0**
LAB I.D.: 131021-2

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT1-10.0** — LAB I.D.: 131021-2

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT3-20.0**
LAB I.D.: 131021-11

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT3-20.0**
LAB I.D.: 131021-11

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT2-20.0** — LAB I.D.: 131021-12

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT2-20.0**
LAB I.D.: 131021-12

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT4-15.0**
LAB I.D.: 131021-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **UT4-15.0**
LAB I.D.: 131021-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**

MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/21/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SP2-10.0** — LAB I.D.: 131021-21

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **SP2-10.0**
LAB I.D.: 131021-21

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/22/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **SP1-20.0**
LAB I.D.: 131021-27

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**

MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/22/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/28/13

SAMPLE I.D.: **SP1-20.0** — LAB I.D.: 131021-27

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **CL2-5.0**
LAB I.D.: 131021-29

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **CL2-5.0**
LAB I.D.: 131021-29

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **CL1-2.5**
LAB I.D.: 131021-30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **CL1-2.5**
LAB I.D.: 131021-30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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METHOD BLANK REPORT

CUSTOMER: Leighton Consulting
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: GHD Phase II ESA
PROJECT No.: 10463.001
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

METHOD BLANK FOR LAB I.D.: 131021-2, -11, -12, -15, -21, -27, -29, -30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
ACETONE	ND	0.020	0.010	1
BENZENE	ND	0.005	0.002	1
BROMOBENZENE	ND	0.005	0.002	1
BROMOCHLOROMETHANE	ND	0.005	0.002	1
BROMODICHLOROMETHANE	ND	0.005	0.002	1
BROMOFORM	ND	0.005	0.002	1
BROMOMETHANE	ND	0.005	0.002	1
2-BUTANONE (MEK)	ND	0.020	0.010	1
N-BUTYLBENZENE	ND	0.005	0.002	1
SEC-BUTYLBENZENE	ND	0.005	0.002	1
TERT-BUTYLBENZENE	ND	0.005	0.002	1
CARBON DISULFIDE	ND	0.010	0.005	1
CARBON TETRACHLORIDE	ND	0.005	0.002	1
CHLOROBENZENE	ND	0.005	0.002	1
CHLOROETHANE	ND	0.005	0.002	1
CHLOROFORM	ND	0.005	0.002	1
CHLOROMETHANE	ND	0.005	0.002	1
2-CHLOROTOLUENE	ND	0.005	0.002	1
4-CHLOROTOLUENE	ND	0.005	0.002	1
DIBROMOCHLOROMETHANE	ND	0.005	0.002	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005	0.002	1
1,2-DIBROMOETHANE	ND	0.005	0.002	1
DIBROMOMETHANE	ND	0.005	0.002	1
1,2-DICHLOROBENZENE	ND	0.005	0.002	1
1,3-DICHLOROBENZENE	ND	0.005	0.002	1
1,4-DICHLOROBENZENE	ND	0.005	0.002	1
DICHLORODIFLUOROMETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHANE	ND	0.005	0.002	1
1,2-DICHLOROETHANE	ND	0.005	0.002	1
1,1-DICHLOROETHENE	ND	0.005	0.002	1
CIS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
TRANS-1,2-DICHLOROETHENE	ND	0.005	0.002	1
1,2-DICHLOROPROPANE	ND	0.005	0.002	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/21/13
DATE REPORTED: 10/28/13

METHOD BLANK FOR LAB I.D.: 131021-2, -11, -12, -15, -21, -27, -29, -30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
1,3-DICHLOROPROPANE	ND	0.005	0.002	1
2,2-DICHLOROPROPANE	ND	0.005	0.002	1
1,1-DICHLOROPROPENE	ND	0.005	0.002	1
CIS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
TRANS-1,3-DICHLOROPROPENE	ND	0.005	0.002	1
ETHYLBENZENE	ND	0.005	0.002	1
2-HEXANONE	ND	0.020	0.010	1
HEXACHLOROBUTADIENE	ND	0.005	0.002	1
ISOPROPYLBENZENE	ND	0.005	0.002	1
4-ISOPROPYLTOLUENE	ND	0.005	0.002	1
4-METHYL-2-PENTANONE (MIBK)	ND	0.020	0.010	1
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005	0.002	1
METHYLENE CHLORIDE	ND	0.010	0.005	1
NAPHTHALENE	ND	0.005	0.002	1
N-PROPYLBENZENE	ND	0.005	0.002	1
STYRENE	ND	0.005	0.002	1
1,1,1,2-TETRACHLOROETHANE	ND	0.005	0.002	1
1,1,2,2-TETRACHLOROETHANE	ND	0.005	0.002	1
TETRACHLOROETHENE (PCE)	ND	0.005	0.002	1
TOLUENE	ND	0.005	0.002	1
1,2,3-TRICHLOROBENZENE	ND	0.005	0.002	1
1,2,4-TRICHLOROBENZENE	ND	0.005	0.002	1
1,1,1-TRICHLOROETHANE	ND	0.005	0.002	1
1,1,2-TRICHLOROETHANE	ND	0.005	0.002	1
TRICHLOROETHENE (TCE)	ND	0.005	0.002	1
TRICHLOROFLUOROMETHANE	ND	0.005	0.002	1
1,2,3-TRICHLOROPROPANE	ND	0.005	0.002	1
1,2,4-TRIMETHYLBENZENE	ND	0.005	0.002	1
1,3,5-TRIMETHYLBENZENE	ND	0.005	0.002	1
VINYL CHLORIDE	ND	0.005	0.002	1
M/P-XYLENE	ND	0.010	0.005	1
O-XYLENE	ND	0.005	0.002	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL and PQL
ND = BELOW THE ACTUAL DETECTION LIMIT OR NON-DETECTED
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 10/21-22/2013 **Matrix:** Solid/Soil/Liquid

Machine: C **Unit:** mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 131021-LCS1/2

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.057	115%	0.052	104%	11%	75-125	0-20
Chlorobenzene	0	0.050	0.046	92%	0.045	89%	2%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.052	103%	0.043	86%	18%	75-125	0-20
Toluene	0	0.050	0.060	120%	0.053	106%	13%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.050	99%	0.046	92%	7%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.054	108%	75-125
Chlorobenzene	0.050	0.043	85%	75-125
Chloroform	0.050	0.052	104%	75-125
1,1-Dichlorothene	0.050	0.044	87%	75-125
Ethylbenzene	0.050	0.044	89%	75-125
o-Xylene	0.050	0.045	90%	75-125
m,p-Xylene	0.100	0.091	91%	75-125
Toluene	0.050	0.056	112%	75-125
1,1,1-Trichloroethane	0.050	0.048	97%	75-125
Trichloroethene (TCE)	0.050	0.046	92%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	131021-104	131021-105	131018-2	131021-2	131021-11	131021-12
Dibromofluoromethane	50.0	70-130	97%	102%	98%	107%	91%	87%	114%
Toluene-d8	50.0	70-130	105%	112%	111%	104%	110%	107%	127%
4-Bromofluorobenzene	50.0	70-130	104%	102%	101%	92%	105%	99%	116%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			131021-15	131021-21	131021-27	131021-29	131021-30		
Dibromofluoromethane	50.0	70-130	115%	102%	92%	101%	119%		
Toluene-d8	50.0	70-130	111%	108%	109%	106%	99%		
4-Bromofluorobenzene	50.0	70-130	112%	104%	108%	93%	89%		

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	50.0	70-130							
Toluene-d8	50.0	70-130							
4-Bromofluorobenzene	50.0	70-130							

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results *%RC = Percent Recovery*

spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*

MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY2-0.5**
LAB I.D.: 131021-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	10*
Acenaphthylene	ND	0.50	0.028	10*
Anthracene	ND	0.50	0.028	10*
Benzo(a)anthracene	ND	0.50	0.080	10*
Benzo(b)fluoranthene	ND	0.50	0.104	10*
Benzo(a)pyrene	ND	0.50	0.049	10*
Benzo(g,h,i)perylene	ND	0.50	0.044	10*
Benzo(k)fluoranthene	ND	0.50	0.150	10*
Benzoic Acid	ND	0.50	0.387	10*
Benzyl Alcohol	ND	0.50	0.021	10*
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	10*
Bis(2-Chloroethyl)ether	ND	0.50	0.015	10*
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	10*
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	10*
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	10*
Butylbenzylphthalate	ND	0.50	0.031	10*
4-Chloro-3-Methylphenol	ND	0.50	0.035	10*
4-Chloroaniline	ND	0.50	0.043	10*
2-Chloronaphthalene	ND	0.50	0.038	10*
2-Chlorophenol	ND	0.50	0.024	10*
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	10*
Chrysene	ND	0.50	0.036	10*
Di-n-butylphthalate	ND	0.50	0.028	10*
Di-n-octylphthalate	ND	0.50	0.037	10*
Dibenzo(a,h)anthracene	ND	0.50	0.047	10*
Dibenzofuran	ND	0.50	0.041	10*
1,2-Dichlorobenzene	ND	0.50	0.039	10*
1,3-Dichlorobenzene	ND	0.50	0.039	10*
1,4-Dichlorobenzene	ND	0.50	0.029	10*
3,3-Dichlorobenzidine	ND	0.50	0.075	10*
2,4-Dichlorophenol	ND	0.50	0.028	10*
Diethyl Phthalate	ND	0.50	0.029	10*
2,4-Dimethylphenol	ND	0.50	0.023	10*
Dimethyl Phthalate	ND	0.50	0.018	10*

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY2-0.5**
LAB I.D.: 131021-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	10*
2,4-Dinitrophenol	ND	0.50	0.047	10*
2,4-Dinitrotoluene	ND	0.50	0.024	10*
2,6-Dinitrotoluene	ND	0.50	0.050	10*
Fluoranthene	ND	0.50	0.022	10*
Fluorene	ND	0.50	0.026	10*
Hexachlorobenzene	ND	0.50	0.031	10*
Hexachlorobutadiene	ND	0.50	0.022	10*
Hexachlorocyclopentadiene	ND	0.50	0.041	10*
Hexachloroethane	ND	0.50	0.030	10*
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	10*
Isophorone	ND	0.50	0.026	10*
2-Methyl Phenol	ND	0.50	0.042	10*
3/4-Methyl Phenol	ND	0.50	0.037	10*
2-Methylnaphthalene	ND	0.50	0.036	10*
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	10*
N-Nitrosodimethylamine	ND	0.50	0.015	10*
N-Nitrosodiphenylamine	ND	0.50	0.042	10*
Naphthalene	ND	0.50	0.014	10*
2-Nitroaniline	ND	0.50	0.026	10*
3-Nitroaniline	ND	0.50	0.043	10*
4-Nitroaniline	ND	0.50	0.052	10*
Nitrobenzene	ND	0.50	0.157	10*
2-Nitrophenol	ND	0.50	0.031	10*
4-Nitrophenol	ND	0.50	0.040	10*
Pentachlorophenol	ND	0.50	0.048	10*
Phenanthrene	ND	0.50	0.036	10*
Phenol	ND	0.50	0.031	10*
Pyrene	ND	0.50	0.043	10*
1,2,4-Trichlorobenzene	ND	0.50	0.030	10*
2,4,5-Trichlorophenol	ND	0.50	0.054	10*
2,4,6-Trichlorophenol	ND	0.50	0.041	10*

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
* = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCES
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY2-2.5**
LAB I.D.: 131021-37

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	10*
Acenaphthylene	ND	0.50	0.028	10*
Anthracene	ND	0.50	0.028	10*
Benzo(a)anthracene	ND	0.50	0.080	10*
Benzo(b)fluoranthene	ND	0.50	0.104	10*
Benzo(a)pyrene	ND	0.50	0.049	10*
Benzo(g,h,i)perylene	ND	0.50	0.044	10*
Benzo(k)fluoranthene	ND	0.50	0.150	10*
Benzoic Acid	ND	0.50	0.387	10*
Benzyl Alcohol	ND	0.50	0.021	10*
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	10*
Bis(2-Chloroethyl)ether	ND	0.50	0.015	10*
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	10*
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	10*
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	10*
Butylbenzylphthalate	ND	0.50	0.031	10*
4-Chloro-3-Methylphenol	ND	0.50	0.035	10*
4-Chloroaniline	ND	0.50	0.043	10*
2-Chloronaphthalene	ND	0.50	0.038	10*
2-Chlorophenol	ND	0.50	0.024	10*
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	10*
Chrysene	ND	0.50	0.036	10*
Di-n-butylphthalate	ND	0.50	0.028	10*
Di-n-octylphthalate	ND	0.50	0.037	10*
Dibenzo(a,h)anthracene	ND	0.50	0.047	10*
Dibenzofuran	ND	0.50	0.041	10*
1,2-Dichlorobenzene	ND	0.50	0.039	10*
1,3-Dichlorobenzene	ND	0.50	0.039	10*
1,4-Dichlorobenzene	ND	0.50	0.029	10*
3,3-Dichlorobenzidine	ND	0.50	0.075	10*
2,4-Dichlorophenol	ND	0.50	0.028	10*
Diethyl Phthalate	ND	0.50	0.029	10*
2,4-Dimethylphenol	ND	0.50	0.023	10*
Dimethyl Phthalate	ND	0.50	0.018	10*

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY2-2.5**
LAB I.D.: 131021-37

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	10*
2,4-Dinitrophenol	ND	0.50	0.047	10*
2,4-Dinitrotoluene	ND	0.50	0.024	10*
2,6-Dinitrotoluene	ND	0.50	0.050	10*
Fluoranthene	ND	0.50	0.022	10*
Fluorene	ND	0.50	0.026	10*
Hexachlorobenzene	ND	0.50	0.031	10*
Hexachlorobutadiene	ND	0.50	0.022	10*
Hexachlorocyclopentadiene	ND	0.50	0.041	10*
Hexachloroethane	ND	0.50	0.030	10*
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	10*
Isophorone	ND	0.50	0.026	10*
2-Methyl Phenol	ND	0.50	0.042	10*
3/4-Methyl Phenol	ND	0.50	0.037	10*
2-Methylnaphthalene	ND	0.50	0.036	10*
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	10*
N-Nitrosodimethylamine	ND	0.50	0.015	10*
N-Nitrosodiphenylamine	ND	0.50	0.042	10*
Naphthalene	ND	0.50	0.014	10*
2-Nitroaniline	ND	0.50	0.026	10*
3-Nitroaniline	ND	0.50	0.043	10*
4-Nitroaniline	ND	0.50	0.052	10*
Nitrobenzene	ND	0.50	0.157	10*
2-Nitrophenol	ND	0.50	0.031	10*
4-Nitrophenol	ND	0.50	0.040	10*
Pentachlorophenol	ND	0.50	0.048	10*
Phenanthrene	ND	0.50	0.036	10*
Phenol	ND	0.50	0.031	10*
Pyrene	ND	0.50	0.043	10*
1,2,4-Trichlorobenzene	ND	0.50	0.030	10*
2,4,5-Trichlorophenol	ND	0.50	0.054	10*
2,4,6-Trichlorophenol	ND	0.50	0.041	10*

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
* = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCES
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY1-0.5**
LAB I.D.: 131021-41

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY1-0.5**
LAB I.D.: 131021-41

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY1-2.5**
LAB I.D.: 131021-42

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY1-2.5**
LAB I.D.: 131021-42

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY3-0.5**
LAB I.D.: 131021-46

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro - Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY3-0.5**
LAB I.D.: 131021-46

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY3-2.5**
LAB I.D.: 131021-47

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY3-2.5**
LAB I.D.: 131021-47

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY4-0.5**
LAB I.D.: 131021-48

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY4-0.5**
LAB I.D.: 131021-48

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY4-2.5**
LAB I.D.: 131021-49

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY4-2.5**
LAB I.D.: 131021-49

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY6-0.5**
LAB I.D.: 131021-50

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY6-0.5**
LAB I.D.: 131021-50

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY6-2.5**
LAB I.D.: 131021-51

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY6-2.5**
LAB I.D.: 131021-51

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY5-0.5**
LAB I.D.: 131021-52

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY5-0.5**
LAB I.D.: 131021-52

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY5-2.5**
LAB I.D.: 131021-53

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

SAMPLE I.D.: **LY5-2.5**
LAB I.D.: 131021-53

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE EXTRACTED: 10/23/13
DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

METHOD BLANK FOR LAB I.D.: 131021-36, -37, -41, -42, -46 THROUGH -53

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	0.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
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DATE ANALYZED: 10/23/13
DATE REPORTED: 10/28/13

METHOD BLANK FOR LAB I.D.: 131021-36, -37, -41, -42, -46 THROUGH -53

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: mg/Kg (PPM)

Date Analyzed: 10/23/2013

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **131023-LCS1/2**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	2.88	**144%**	2.14	**107%**	**29%**	50-150	0-20
Pyrene	0.0	2.00	3.84	**192%**	3.64	**182%**	**5%**	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	2.49	**125%**	75-125
1,4-Dichlorobenzene	2.00	1.91	**95%**	75-125
2,4-Dichlorophenol	2.00	2.21	**110%**	75-125
Hexachlorobutadiene	2.00	1.43	**71%**	75-125
4-Chloro-3-methylphenol	2.00	1.99	**99%**	75-125
Fluoranthene	2.00	1.72	**86%**	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**MB**	**131021-85**	**131021-86**	**131021-36**	**131021-37**	**131021-41**	**131021-42**
2-Fluorophenol	40	25-121	63%	108%	115%	102%	99%	103%	107%
Phenol-d5	40	24-113	73%	145*%	134*%	112%	113%	116*%	121*%
Nitrobenzene-d5	40	23-120	63%	144*%	121*%	108%	101%	109%	116%
2-Fluorobiphenyl	40	30-115	50%	134*%	89%	84%	82%	85%	88%
2,4,6-Tribromophenol	40	19-122	26%	92%	44%	45%	39%	43%	52%
Terphenyl-d14	40	18-137	106%	329*%	149*%	141%	152*%	151*%	161*%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**131021-46**	**131021-47**	**131021-48**	**131021-49**	**131021-50**	**131021-51**	**131021-52**
2-Fluorophenol	40	25-121	111%	102%	100%	101%	107%	102%	98%
Phenol-d5	40	24-113	124*%	109%	110%	111%	116*%	112%	110%
Nitrobenzene-d5	40	23-120	113%	104%	106%	104%	108%	108%	103%
2-Fluorobiphenyl	40	30-115	89%	81%	80%	83%	82%	85%	81%
2,4,6-Tribromophenol	40	19-122	51%	44%	42%	49%	50%	48%	49%
Terphenyl-d14	40	18-137	167*%	145*%	149*%	156*%	148*%	152*%	148*%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**131021-53**	**131018-33**	**131018-34**				
2-Fluorophenol	40	25-121	107%	104%	101%				
Phenol-d5	40	24-113	116*%	114*%	109%				
Nitrobenzene-d5	40	23-120	111%	109%	106%				
2-Fluorobiphenyl	40	30-115	85%	80%	78%				
2,4,6-Tribromophenol	40	19-122	60%	44%	42%				
Terphenyl-d14	40	18-137	140*%	139*%	143*%				

** = Surrogate fail due to matrix interference*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
O Same Day
O 24 Hours
O 48 Hours
O 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8015M TPH	8260B VOC	6010B lead							Misc.
								Analysis Required									COMMENTS
UT1-5.0	131021-1	10/18/13	8:00	Soil	1		ice	X									
UT1-10.0	-2		8:09		1			X	X								
UT1-15.0	-3		8:14		1			X									
UT1-20.0	-4		8:18		1			X									
UT2-5.0	-5		8:31		1			X									
UT2-10.0	-6		8:37		1			X									
UT2-15.0	-7		8:40		1			X		X							
UT3-5.0	-8		8:57		1			X									
UT3-10.0	-9		~~9:01~~ 9:01		1			X									
UT3-15.0	-10		9:04		1			X									
UT3-20.0	-11		9:06		1			X	X								
UT2-20.0	-12		8:47		1			X	X								
UT4-5.0	-13		9:20		1			X									
UT4-10.0	-14		9:24		1			X									
UT4-15.0	-15		9:29		1			X	X								

Company Name: Leighton Consulting Inc
Address: 41715 Enterprise Circle N, Suite 103
City/State/Zip: Temecula CA 92590

Project Contact: Kristin Stout
Tel: (951) 252-8927
Fax: 951-296-0534

Sampler's Signature: Breanna Copeland
Project Name/ID: 10463.001 GHD Phase II ESA

Relinquished by:	Received by:	Date & Time:
Breanna Copeland		
		10/18 1630
		10/21 0940

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client X Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8015M TPH	8260B VOC	6010B/7471A									Misc.
								Analysis Required											COMMENTS
UT4-20.0	131021-16	10/8/13	9:31	Soil	1		ice	X											
OS1-0.5	-17		9:44	Soil	1		ice	X											
OS1-2.5	-18		9:47	Soil	1		ice	X											
OS1-5.0	-19		9:51	Soil	1		ice	X											
SP2-5.0	-20		10:07		1			X											
SP2-10.0	-21		10:09		1			X	X										
SP2-15.0	-22		10:13		1			X											
SP2-20.0	-23		10:16		1			X											
SP1-5.0	-24		10:33		1			X											
SP1-10.0	-25		10:36		1			X											
SP1-15.0	-26		10:39		1			X											
SP1-20.0	-27		10:42		1			X	X										
CL2-2.5	-28		10:55		1			X											
CL2-5.0	-29		10:58		1			X	X	X									
CL1-2.5	-30		11:08		1			X	X	X									

Company Name: Leighton Consulting Inc
Address: 41715 Enterprise Circle N, Suite 103
City/State/Zip: Temecula CA 92590

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature: Breanna Copeland
Project Name/ID: 104163.001 GHO Phase II ESA

Relinquished by:	Received by:	Date & Time:
Breanna Copeland		
		10-18 1630
		10-21 0940

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client X Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8015M TPH	6010B/7471A	8310 PAH	8270C							Misc. COMMENTS
CH-5.0	131021-31	10/8/13	11:12	Soil	1		ICE	X										
RR1-0.5	-32		11:46					X	X	X								
RR1-2.5	-33		11:47					X	X	X								
RR2-0.5	-34		11:56					X	X	X								
RR2-2.5	-35		11:58					X	X	X								
LY2-0.5	-36		12:08						X		X							
LY2-2.5	-37		12:11	Soil					X		X							
SG1-0.0	-38		12:15	~~Slag~~					X									Asphalt
SG1-0.5	-39		12:20	Soil					X									Soil
SG1-1.0	-40		12:23	Soil					X									
LY1-0.5	-41		12:30	Soil					X		X							
LY1-2.5	-42		12:33	Soil					X		X							
SG2-0.0	-43		12:30	Asphalt					X									Asphalt
SG2-0.5	-44		12:39	Soil					X									
SG2-1.0	-45		12:41	Soil					X									

Analysis Required

Company Name: Leighton Consulting Inc
Address: 41715 Enterprise Circle N, Suite 103
City/State/Zip: Temecula CA 92590

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature: Breanna Copeland
Project Name/ID: 10463.001 GHD Phase II ESA

Relinquished by: Breanna Copeland	Received by:	Date & Time:	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 10-18 1630	O Dispose of O Return to Client X Store (30 Days)
Relinquished by:	Received by:	Date & Time: 10-21 0940	O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE - YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	6010B/7471A	8270C	8082 PCB								Misc. COMMENTS
								Analysis Required										
LY3-0.5	131021-46	10/18/13	12:56	Soil	1		ice	X	X									
LY3-2.5	- 47		1:00	Soil	1		ice	X	X									
LY4-0.5	- 48		1:08	Soil	1		ice	X	X									
LY4-2.5	- 49		~~1:12~~	Soil	1		ice	X	X									1:11
LY6-0.5	- 50		1:21	Soil	1		ice	X	X									
LY6-2.5	- 51		1:23	Soil	1		ice	X	X									
LY5-0.5	- 52		1:38	Soil	1		ice	X	X									
LY5-2.5	- 53		1:42	Soil	1		ice	X	X									
SG3-0.0	- 54		1:31	Asphalt	1		ice	X										Asphalt
SG3-0.5	- 55		1:36	Soil	1		ice	X										
SG3-1.0	- 56		1:40	Soil	1		ice	X										
TR1-3.0	- 57		2.00	Soil	1		ice											HOLD
TR1-0.5	- 58		2:01	Soil	1		ice			X								
TR2-0.5	- 59		2:10	Soil	1		ice			X								
TR2 3.0	- 60		2:14	Soil	1		ice											HOLD

Company Name: Leighton Consulting Inc
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City/State/Zip: Temecula CA 92590

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature: Breanna Copeland
Project Name/ID: 10463.001
GHD Phase II ESA

Relinquished by:	Received by:	Date & Time:
Breanna Copeland		
Relinquished by:	Received by:	Date & Time: 10-18 1630
Relinquished by:	Received by:	Date & Time: 10-21 0940

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client X Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
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Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8082 PCB	Misc.	COMMENTS
TR3 - 0.5	1310-21-61	10/18/13	2:23	Soil	1		ice	X		
TR3 - 3.0	- 62	10/18/13	2:25	Soil	1		ice			HOLD
PT1	- 63	10/18/13	3:34	wipe	1		ice	X		
PT2 A	- 64	↓	3:44	wipe	1		ice	X		
PT2 B	- 65	↓	3:40	Soil	1		ice	X		HOLD

Analysis Required

Company Name: Leighton Consulting Inc.
Address: 41715 Enterprise Circle N Suite 103
City/State/Zip: Temecula CA 92590

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature: Brianna Copeland
Project Name/ID: 10463.001 GHD Phase II ESA

Relinquished by:	Received by:	Date & Time:
Brianna Copeland	[signature]	
[signature]	[signature]	10-18 1630
[signature]	[signature]	10-21 0940

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: October 29, 2013

Ms. Kristin Stout
Leighton Consulting
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

Project: **GHD Phase II ESA**
Project No.: **10463.001**
Lab I.D.: **131021-1 through -65**

Dear Ms. Stout:

The **additional Cr VI results** for the soil samples, received by our lab on October 21, 2013, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29/13
DATE REPORTED: 10/29/13

SAMPLE I.D.: **CL1-2.5**
LAB I.D.: 131021-30

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29/13
DATE REPORTED: 10/29/13

SAMPLE I.D.: **RR2-0.5**
LAB I.D.: 131021-34

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29/13
DATE REPORTED: 10/29/13

SAMPLE I.D.: **LY2-0.5**
LAB I.D.: 131021-36

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29/13
DATE REPORTED: 10/29/13

SAMPLE I.D.: **SG1-0.0**
LAB I.D.: 131021-38

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL — DATE RECEIVED: 10/18/13
SAMPLING DATE: 10/18/13 — DATE ANALYZED: 10/29/13
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 10/29/13

SAMPLE I.D.: **LY1-0.5** — LAB I.D.: 131021-41

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29/13
DATE REPORTED: 10/29/13

SAMPLE I.D.: **SG2-0.0**
LAB I.D.: 131021-43

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29/13
DATE REPORTED: 10/29/13

SAMPLE I.D.: **SG2-0.5**
LAB I.D.: 131021-44

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29/13
DATE REPORTED: 10/29/13

SAMPLE I.D.: **LY3-0.5**
LAB I.D.: 131021-46

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29/13
DATE REPORTED: 10/29/13

METHOD BLANK FOR LAB I.D.:
131021-30, -34, -36, -38, -41, -43, -44, -46

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	0.0156	1	500	5.0	7196A

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
* = STLC analysis for the metal is recommended (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Gmail by Google

Jessica Lin <envirocheminc@gmail.com>

Lab Report

Kristin Stout <kstout@leightongroup.com> Mon, Oct 28, 2013 at 3:18 PM
To: Jessica Lin <envirocheminc@gmail.com>

Jessica – We would like to analyze the following for Chrom VI by EPA Method 7196 on a 24 hour turnaround time.

CL1-2.5	131021-30
RR2-0.5	-34
LY2-0.5	-36
SG1-0.0	-38
LY1-0.5	-41
SG2-0.0	-43
SG2-0.5	-44
LY3-0.5	-46

Kristin Stout

Sr. Project Scientist

Temecula Office 951.252.8927

Please consider the environment before printing this e-mail.

From: Jessica Lin [mailto:envirocheminc@gmail.com]
Sent: Monday, October 28, 2013 12:01 PM
To: Kristin Stout
Subject: Lab Report

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766
Tel (909)590-5905 Fax (909)590-5907

Matrix: SOLID/SLUDGE

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	5/31/2013	130530-16	137	133	3.0%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	10/15/2013	131015-20	109	110	0.91%	0-20
pH	pH units	10/22/2013	131022-19	3.62	3.65	0.83%	0-20
TDS	mg/L	6/5/2013	130530-59	551	555	0.7%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	10/15/2013	131015-20	9174	9091	0.9%	0-20
% MOISTURE	%	9/16/2013	130916-15	9.1	9.3	1.4%	0-20
BTU	BTU/lb	9/17/2013	130916-16	7806	7862	0.7%	0-20
Salinity	S					0.00%	0-20

%RPD = Relative Percent Difference **ACP %RPD** = Acceptable Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	ACP %RC	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/Kg					0	80-120					
Ammonia as N	mg/Kg	9/6/2013	130906-3	50.0	0.000	0-20	80-120	46.2	92%	47.8	96%	3.2%
MBAS	mg/Kg	2/15/2013	LCS1/2	6.00	0.0	0-20	80-120	5.07	85%	5.17	86%	1.7%
Chloride	mg/Kg	10/15/2013	LCS1/2	200	0.0	0-20	80-120	180	90%	180	90%	0.0%
COD	mg/Kg	6/20/2011	LCS1/2	500	0.0	0-20	80-120	488	98%	486	97%	0.4%
Cr VI	mg/Kg	10/29/2013	LCS1/2	4.0	0.000	0-20	80-120	3.57	89%	3.48	87%	2.3%
Cyanide	mg/Kg	10/18/2013	131018-33	10.0	0.000	0-20	80-120	8.77	88%	8.55	86%	2.2%
Fluoride	mg/Kg	8/9/2013	LCS1/2	10.0	0.000	0-20	80-120	10.6	106%	11.8	118%	12.0%
Nitrate as N	mg/Kg	10/24/2013	LCS1/2	4.0	0.00	0-20	80-120	3.35	84%	3.26	82%	2.3%
Nitrite as N	mg/Kg	10/24/2013	LCS1/2	4.0	0.00	0-20	80-120	3.70	93%	3.61	90%	2.3%
Oil and Grease	mg/Kg	10/24/2013	131022-3	667	0.0	0-20	80-120	660	99%	653	98%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	10/15/2013	LCS1/2	200	0.0	0-20	80-120	168	84%	182	91%	7.0%
Sulfide	mg/Kg	10/28/2013	LCS1/2	3.00	0.0	0-20	80-120	2.57	86%	2.52	84%	1.7%
TRPH	mg/Kg	10/24/2013	LCS1/2	667	0.0	0-20	80-120	667	100%	667	100%	0.0%
Sulfide, Reactive	mg/Kg	10/18/2013	131018-33	3.00	0.0	0-20	80-120	2.58	86%	2.72	91%	4.7%
EPA 1664A	mg/Kg	8/8/2013	LCS1/2	500	0.0	0-20	80-120	415	83%	425	85%	2.0%

S.R. = Sample Results **%RC** = Percent Recovery **ACP %RC** = Accepted Percent Recovery

Analyst Signature: _____ **Final Reviewer:** _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: October 31, 2013

Ms. Kristin Stout
Leighton Consulting
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

Project: **GHD Phase II ESA**
Project No.: **10463.001**
Lab I.D.: **131021-1 through -65**

Dear Ms. Stout:

The **additional STLC/TCLP Metals results** for the soil samples, received by our lab on October 21, 2013, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Andy Wang
Laboratory Manager

Enviro - Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **CL2-5.0**
LAB I.D.: 131021-29

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	0.069	0.05	1	2,500	560/5.0@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **CL1-2.5**
LAB I.D.: 131021-30

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	0.471	0.05	1	2,500	560/5.0@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **RR1-0.5**
LAB I.D.: 131021-32

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.30	0.05	1	2,500	560/5.0@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **RR2-0.5**
LAB I.D.: 131021-34

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.47	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	4.01	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY2-0.5**
LAB I.D.: 131021-36

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.89	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	3.20	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG1-0.0**
LAB I.D.: 131021-38

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	2.69	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	3.40	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG1-0.5**
LAB I.D.: 131021-39

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.07	0.05	1	2,500	560/5.0@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**

MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY1-0.5**
LAB I.D.: 131021-41

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.71	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	4.29	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG2-0.0**
LAB I.D.: 131021-43

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.77	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	4.29	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG2-0.5**
LAB I.D.: 131021-44

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.50	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	4.33	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY3-0.5**
LAB I.D.: 131021-46

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	2.19	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	3.97	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY6-0.5**
LAB I.D.: 131021-50

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	0.712	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	3.77	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY6-2.5**
LAB I.D.: 131021-51

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	0.078	0.05	1	2,500	560/5.0@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY5-2.5**
LAB I.D.: 131021-53

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	0.297	0.05	1	2,500	560/5.0@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG3-0.0**
LAB I.D.: 131021-54

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.04	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	3.24	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG3-0.5**
LAB I.D.: 131021-55

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	1.18	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	3.27	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG3-1.0**
LAB I.D.: 131021-56

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	0.252	0.05	1	2,500	560/5.0@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-31/13
DATE REPORTED: 10/31/13

METHOD BLANK FOR LAB I.D.: 131021-29, -30, -32, -34, -36, -38, -39, -41, -43, -44, -46, -50, -51, -53 THROUGH -56

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Chromium (Cr)	ND	0.05	1	2,500	560/5.0@	6010B
Vanadium (V)	ND	0.5	1	2,400	24	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet the TCLP limit/chromium (5.0 mg/L in TCLP leachate)
** = TCLP Chromium/TTLC-Chromium VI recommended (if marked)
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 10/31/2013

Unit : mg/L (ppm)

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium (Cr)	131025-60	5.00	88	PASS	0.069	5.00	4.15	82%	3.94	77%	5%
Lead(Pb)	131025-60	5.00	98	PASS	0.071	5.00	3.29	64%	3.38	66%	3%
Vanadium(V)	131025-60	5.00	97	PASS	0	5.00	4.66	93%	4.74	95%	2%

ANALYSIS DATE: 10/30/2013

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	131028-23	0.0125	101	PASS	0	0.0125	0.0111	89%	0.0118	94%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Lead(Pb)	FAIL	FAIL	PASS	PASS
Vanadium(V)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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LABORATORY REPORT

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-30/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **CL1-2.5**
LAB I.D.: 131021-30

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.024	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-30/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **RR2-0.5**
LAB I.D.: 131021-34

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.027	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-30/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY2-0.5**
LAB I.D.: 131021-36

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.017	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
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DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG1-0.0**
LAB I.D.: 131021-38

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.053	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
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DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY1-0.5**
LAB I.D.: 131021-41

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.030	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**

MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-30/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG2-0.0**
LAB I.D.: 131021-43

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.054	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**

MATRIX: SOIL
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DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG2-0.5**
LAB I.D.: 131021-44

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.032	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
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DATE REPORTED: 10/31/13

SAMPLE I.D.: **LY3-0.5**
LAB I.D.: 131021-46

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.030	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
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SAMPLE I.D.: **LY6-0.5**
LAB I.D.: 131021-50

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.023	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT

DATE RECEIVED: 10/18/13
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DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG3-0.0**
LAB I.D.: 131021-54

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.036	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-30/13
DATE REPORTED: 10/31/13

SAMPLE I.D.: **SG3-0.5**
LAB I.D.: 131021-55

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	0.036	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103, Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534
PROJECT: **GHD Phase II ESA**
PROJECT No.: **10463.001**
MATRIX: SOIL
SAMPLING DATE: 10/18/13
REPORT TO: MS. KRISTIN STOUT
DATE RECEIVED: 10/18/13
DATE ANALYZED: 10/29-30/13
DATE REPORTED: 10/31/13

METHOD BLANK FOR LAB I.D.:
131021-30, -34, -36, -38, -41, -43, -44, -46, -50, -54, -55

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
CHROMIUM (Cr)	ND	0.01	1	D007	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TCLP

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 10/30/2013

Unit : mg/L (ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	131021-41	1.00	98	PASS	0	1.00	0.969	97%	0.984	98%	2%
Chromium(Cr)	131021-41	1.00	90	PASS	0.030	1.00	0.732	70%	0.723	69%	1%
Lead (Pb)	131021-41	1.00	97	PASS	0.020	1.00	0.665	65%	0.632	61%	5%

ANALYSIS DATE: 10/28/2013

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	131025-32	0.0125	95	PASS	0	0.0125	0.0106	85%	0.0112	90%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	PASS	PASS	PASS	PASS
Chromium(Cr)	FAIL	FAIL	PASS	PASS
Lead (Pb)	FAIL	FAIL	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

Gmail by Google

Jessica Lin <envirocheminc@gmail.com>

10463.001, GHD Phase II ESA

Kristin Stout <kstout@leightongroup.com> Mon, Oct 21, 2013 at 5:00 PM
To: envirocheminc@gmail.com
Cc: Breeanna Copeland <bcopeland@leightongroup.com>, Zachary Freeman <zfreeman@leightongroup.com>

One more thing, please run dust sample PT2B for PCBs. Thanks!

Kristin Stout

Sr. Project Scientist

Temecula Office 951.252.8927

Please consider the environment before printing this e-mail.

From: Kristin Stout
Sent: Monday, October 21, 2013 4:55 PM
To: envirocheminc@gmail.com
Cc: Breeanna Copeland; Zachary Freeman
Subject: 10463.001, GHD Phase II ESA

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