Interstate 15
Express Lanes Project Southern Extension (ELPSE)

RIVERSIDE COUNTY, CALIFORNIA
DISTRICT 8 – RIV–15 PM 20.3 TO PM 38.8
EA: RIV 08-0J0820 / ID: 08-18000063

Aerially Deposited Lead Analysis

Prepared for the
State of California Department of Transportation
in coordination with the Riverside County Transportation Commission

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Traffic capacity and operational improvements would be constructed on Interstate 15 (I-15) between post miles (PM) 22.3 near SR-74 (Central Avenue) in Lake Elsinore to PM 36.8 near Cajalco Road in Corona. This area is referred to as the lane improvement limits. The lane improvements are located within Riverside County, California and run through the cities of Lake Elsinore, Corona, and portions of unincorporated Riverside County including the Temescal Valley. The limits for the express lanes advance signage extend from PM 20.3 to PM 38.8 in Riverside County; these post miles constitute the overall project limits.

Aerially Deposited Lead Analysis

Submitted Pursuant to: (State) Division 13, California Public Resources Code
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THE STATE OF CALIFORNIA
Department of Transportation
in cooperation with
THE RIVERSIDE COUNTY TRANSPORTATION COMMISSION

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Acronyms and Abbreviations

ADL	Aerially Deposited Lead
bgs	Below Ground Surface
CCR	California Code of Regulations
DQO	Data Quality Objectives
Department	California Department of Transportation
DTSC	Department of Toxic Substances Control, Division of CalEPA
EL	Express Lane
ELAP	Environmental Laboratory Accreditation Program
EPA	United States Environmental Protection Agency
GPS	Global Positioning System
HSP	Health and Safety Plan
I-15	Interstate 15
LCS	Laboratory Control Samples
LCSD	Laboratory Control Samples Duplicates
LRL	Lower Reporting Limit
mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NAD 83	North American Datum of 1983
OSHA	Occupational Safety and Health Administration
PARCC	Precision, Accuracy, Representativeness, Comparability, and Completeness
PPE	Personal Protective Equipment
PQL	Practical Quantitation Limit
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control

RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SDG	Sample Delivery Group
STLC	Soluble Threshold Limit Concentration
STLC WET-CA	Soluble Threshold Limit Concentration by California Waste Extraction Test Citric Acid
STLC WET-DI	Soluble Threshold Limit Concentration by California Waste Extraction Test Deionized Water
TTLC	Total Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
UCL	Upper Confidence Limit
USCS	Unified Soil Classification System
US EPA	United States Environmental Protection Agency
USA	Underground Service Alert
WET-CA	Waste Extraction Test Citric Acid
WET-DI	Waste Extraction Test Deionized Water

Executive Summary

Leighton Consulting, Inc. (Leighton Consulting) performed an Aerially Deposited Lead (ADL) Survey for the Interstate 15 (I-15) Express Lanes Project Southern Extension (ELPSE) within the Cities of Corona, Lake Elsinore, and portions of unincorporated Riverside County, in Riverside County, California (Figure 1). The work has been conducted to assess areas of potential lead impacted soil within the California Department of Transportation (Caltrans) right-of-way.

The subject alignment currently consists of approximately 18.5 miles of the I-15 right-of-way from postmile (PM) 20.3 South of State Route 74 (Central Avenue) in the City of Lake Elsinore to PM 38.8 near East Ontario Avenue in the City of Corona (Figures 1 and 2). I-15 is predominately a six-lane divided urban freeway with three 12-foot wide lanes in each direction, with the exception of the segment between Railroad Canyon Road and Temescal Canyon Road for approximately 13 miles where a fourth lane exists in each direction that presently functions as the outside shoulder. The Riverside County Transportation Commission (RCTC), in cooperation with Caltrans is proposing to add two express lanes in each direction on I-15 from PM 22.3 north of State Route 74 in the City of Lake Elsinore, to PM 36.8, in the vicinity of the Cajalco Road interchange in the City of Corona. Additionally, two miles of advanced signage and striping transition will be constructed between PM 20.3 and 22.3 at the south end of the alignment and between PM 36.8 and 38.8 at the north end of the alignment.

The alignment is and has been historically part of I-15 and earlier highways and the potential for historical soil impacts from aerially deposited lead (ADL) exists. ADL in soil may result from emissions from vehicles using leaded gasoline. The shallow soil in unpaved areas near highways may contain lead in concentrations above thresholds deemed hazardous under California regulations. If hazardous soil is to be excavated or disturbed by construction activities, regulations require the soil to be disposed of at an appropriate facility or placed under roadways as described in the Department of Toxic Substances Control (DTSC) soil reuse agreement. Soils are also to be assessed for adequate worker protection during construction (DTSC, 2016).

Leighton Consulting submitted an ADL Analysis Workplan for the Interstate 15 Express Lanes Project Southern Extension (Leighton, 2019) detailing the use of the data collected along the ELPSE alignment during the I-15 Corridor Improvement Project performed in 2009 and 2010. The I-15 ELPSE ADL analysis workplan was approved by Caltrans on October 3, 2019 (Appendix D).

Between June 10 and August 5, 2009, and March 9 and March 17, 2010, Leighton Consulting advanced a total of 725 borings at approximately 600-foot intervals on the median, shoulders, and ramps of the 18.5-mile study area of the I-15 Freeway to investigate the presence of ADL (Figure 2, Sheets 1 through 41) and collected 2,994 soil samples. On- and off-ramp boring locations were placed at shorter intervals to generate sufficient data to be suitable for statistical analysis as

described in the Caltrans Aerially Deposited Lead Guidance (Caltrans, 2007). The boring location identifier "A" refers to borings advanced in the northbound median, the identifier "B" refers to borings advanced in the southbound median, the identifier "C" refers to borings advanced in the northbound shoulder and ramps, and the identifier "D" refers to borings advanced in the southbound shoulder and ramps. Discrete soil samples were collected from each soil boring at depths of approximately 0.5, 1.0, 2.5, and 5.0 feet below ground surface (bgs) or practical refusal using a direct-push drill rig or hand auger.

Soil samples were collected during two different field investigations (a median ADL survey and a shoulders and ramps ADL survey). Following the median ADL investigation (Leighton, 2009), the DTSC issued a new ADL variance resulting in a slight change in the protocols for analyzing soils for soluble lead. As a result, a slightly larger percentage of samples collected during the shoulders and ramps ADL investigation (Leighton 2010) were analyzed for soluble lead than were during the median ADL survey (Leighton, 2009).

Soil samples collected for the median ADL survey were analyzed for total threshold limit concentration (TTLC) of lead by United States Environmental Protection Agency (EPA) Method 6010B. Samples with TTLC lead concentrations above 50 milligrams per kilogram (mg/kg), but less than 1,000 mg/kg, were analyzed for soluble threshold limit concentration (STLC) by the California citric acid waste extraction test (WET-CA). Samples that contained soluble lead concentrations greater than 5 milligrams per liter (mg/l) were also analyzed for STLC by California deionized water waste extraction test (WET-DI). Soil samples with TTLC lead ≥1,000 mg/kg and/or STLC ≥5 mg/l by the WET-CA method were analyzed by the toxicity characteristic leaching procedure (TCLP) EPA Method 1311. Based on the results of this analysis, an additional 10% of soil samples were randomly selected to be analyzed for STLC by the WET-CA and WET-DI methods for the purposes of statistical analysis. Ten percent of the soil samples were also analyzed for soil pH by EPA Method 9045.

Soil samples collected for the shoulders and ramps ADL survey were analyzed for TTLC lead by EPA Method 6010B. Samples with TTLC lead concentrations above 50 mg/kg, but less than 1,000 mg/kg, were analyzed for lead STLC by the WET-CA and WET-DI methods. Samples with TTLC lead concentrations above 50 mg/kg, but less than 3,397 mg/kg, were analyzed for STLC by the WET-DI method. An additional 10% of random soil samples were also analyzed for STLC by the WET-CA and WET-DI methods. Soil samples with TTLC lead ≥1,000 mg/kg and/or an STLC ≥5 mg/l by the WET-DI method were analyzed for TCLP by EPA Method 1311. Ten percent of the soil samples were also analyzed for soil pH by EPA Method 9045.

The soil samples exhibited total lead concentrations ranging from 0.205 mg/kg to 781 mg/kg, all of which are below the California Code of Regulation (CCR), Title 22 waste disposal criteria of 1,000 mg/kg TTLC lead. Sixty-Nine (69) soil samples exceeded 50 mg/kg total lead and therefore were selected to be analyzed for STLC analysis by the WET-CA and WET-DI methods. STLCs as

measured using the WET-CA method ranged from 0.050 mg/l to 9.41 mg/l. Nine (9) samples contained lead STLCs ≥5mg/l. These samples were also analyzed for soluble lead using the TCLP method to evaluate if they contained hazardous concentrations of soluble lead, none of the samples analyzed by the TCLP method contained >5mg/l of soluble lead and thus were not considered hazardous waste.

Statistical analysis identified the 95% upper confidence limit (UCL) for the population mean for total lead was 12.54 mg/kg. The 95% UCL for soluble lead (STLC by the WET-CA method) was 0.99 mg/l; therefore, tested soil does not represent significant environmental or health hazards and can be classified as non-hazardous. The average TTLC lead concentrations are below the DTSC modified Screening Level of 80 mg/kg for unrestricted land use (DTSC, 2019).

Based on the ADL Survey data and statistical analysis, tested soil does not represent significant environmental or health hazards and, according to the soil reuse agreement between the DTSC and Caltrans, the soil can be classified as unregulated Type X soil and can be reused on site without restriction. Per the soil reuse agreement, a Lead Compliance Plan is required for worker safety.

1 Proposed Project

1.1 Introduction

The Riverside County Transportation Commission (RCTC) and Caltrans District 8 propose to develop an express lane network to meet existing and future travel demand, enhance mobility, and afford greater user flexibility on I-15 in Riverside County. The project limits are from PM 20.3 to PM 38.8, for a total of 18.5 miles, which encompasses all project improvements including signage. Construction of express lanes would begin at PM 22.3 and end at PM 36.8 for a distance of 14.5 miles.

The lane improvements within Riverside County would run through the cities of Lake Elsinore and Corona, as well as portions of unincorporated Riverside County (Figure 1, Project Vicinity). All proposed improvements would be constructed within the existing Caltrans right-of-way, with the majority of the improvements occurring within the existing I-15 median.

The alignment is and has been historically part of I-15 and earlier highways and the potential for historical soil impacts from ADL exists. ADL in soil results from emissions from vehicles using leaded gasoline. The shallow soil in unpaved areas near highways often contains lead in concentrations above thresholds deemed hazardous under California regulations. If hazardous soil is to be excavated or disturbed by construction activities, regulations require the soil to be disposed of at an appropriate facility or placed under roadways using the soil reuse agreement between the DTSC and Caltrans and assessed for adequate worker protection during construction (DTSC, 2016).

References are provided in Chapter 9.

1.2 Project Alternatives

RCTC, in cooperation with Caltrans, District 8, proposes capacity and operational improvements on I-15 from State Route 74 (Central Avenue) in the City of Lake Elsinore to Cajalco Road in the City of Corona (in Riverside County). The Interstate 15 ELPSE stretches approximately 14.5 miles in length, traversing through the cities of Lake Elsinore, Corona, and portions of unincorporated Riverside County, which include the Temescal Valley. These improvements are intended to address existing and projected deficiencies in capacity and operations within the project limits. As proposed, the project would extend the express lanes on I-15 from SR-74 to Cajalco Road. These improvements would enhance regional mobility and offer greater user flexibility of the regional transportation system. The proposed project consists of one Build Alternative and a No-Build Alternative.

1.2.1 No-Build Alternative

Under the No-Build Alternative, the I-15 ELPSE would not be constructed. This alternative does not meet the project purpose and need; however, it would not preclude the construction of future improvements or general maintenance activities. Describing and analyzing a No-Build Alternative helps both decision makers and the public to compare the impacts of approving the proposed project with the consequences of not approving the proposed project.

1.2.2 Build Alternative

The Build Alternative includes construction of two express lanes in each direction on I-15 in Riverside County between PM 22.3 and PM 36.8. The Build Alternative would be constructed within the existing right of way. Sign modifications and the installation of new signs would also be included to support the new express lanes. Advanced signage is required to be posted a minimum of two miles prior to the start of the express lanes. The project limits for the signage extend from PM 20.3 to PM 38.8 in Riverside County.

The Build Alternative would provide:

- Two express lanes in each direction from SR-74 (Central Avenue) to Cajalco Road (Corona), a distance of 14.9 miles, by paving the existing unpaved median, joining the existing I-15 express lanes. Isolated outside widening and shoulder replacement may occur in both travel directions to provide the express lane ingress/egress.
- Provide the express lane ingress/egress at multiple locations along the corridor.

The Build Alternative would not add any new connections and will not improve any existing ramps.

Figure 1
Project Vicinity
Interstate 15 Express Lanes Project Southern Extension

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1.2.3 Additional Project Features

In addition to the features described above, the Build Alternative includes additional project components, such as retaining walls, noise barriers, stormwater runoff treatment system devices, and bridge widening, in order to accommodate the southern extension of the express lanes. The Build Alternative is planned to be constructed within the existing Caltrans right-of-way.

Proposed Bridge Improvements

Existing Bridge Name	Proposed Improvement
Gavilan Wash	Closing the middle between existing NB & SB decks
Lake Street Undercrossing	Closing the middle between existing NB & SB decks
Temescal Canyon Road Overhead	Closing the middle between existing NB & SB decks
Temescal Wash	Closing the middle between existing NB & SB decks
Horsethief Canyon Road Undercrossing	Closing the middle between existing NB & SB decks
Horsethief Canyon Wash	Closing the middle between existing NB & SB decks
Indian Wash	Closing the middle between existing NB & SB decks
Indian Truck Trail Undercrossing	Closing the middle between existing NB & SB decks
Temescal Canyon Road Undercrossing	Closing the middle between existing NB & SB decks
Mayhew Wash	Closing the middle between existing NB & SB decks
Coldwater Wash	Closing the middle between existing NB & SB decks
Temescal Canyon Road Undercrossing	Closing the middle between existing NB & SB decks
Brown Canyon Wash	Closing the middle (outside widening may be required)
Weirick Road Undercrossing	Closing the middle (outside widening may be required)
Bedford Wash	Closing the middle (outside widening may be required)

2 Sampling Strategy and Rationale

ADL is the result of tetraethyl lead, which was added to gasoline for many years to prevent gasoline engine knocking. Lead was present in the vehicle exhaust emissions, was aerially deposited, and has been found in the soils adjacent to major thoroughfares. Caltrans has entered into a soil management agreement with the DTSC for the management of ADL impacted soils within Caltrans rights-of-way (DTSC, 2016). The ADL Survey was performed in accordance with the Caltrans-approved workplans (Leighton Consulting, 2009a; 2009b; 2019) and consisted of the following tasks:

- An assessment of possible ADL in exposed soils within the median, shoulders, and ramps of I-15 by collecting discrete surface and subsurface soil samples for analysis of lead.
- Analysis of total lead and leachable lead concentrations in soil samples.
- A statistical analysis of the analytical results and a comparison of these results to disposal and reuse options.

3 Prefield Activities

3.1 Health and Safety Plan

In accordance with standard environmental procedures, Leighton Consulting prepared a Health and Safety Plan (HSP) describing safety aspects of the work to be performed at the site. The HSP was prepared in compliance with the Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.120 and reviewed by a certified industrial hygienist in accordance with Caltrans Guidelines (Caltrans, 2007c). The HSP contains information on chemical and physical hazards, emergency response plans, and information on routes to hospitals and emergency contacts. The site-specific HSP was on site during field activities. The HSP was reviewed and signed by each of the site personnel.

3.2 Utilities

Leighton Consulting contacted Underground Service Alert (USA) a minimum of 48 hours prior to the commencement of subsurface field activities as required by law. Leighton Consulting's field personnel met with representatives of the utility services in the field to locate existing utility lines. Utility maps provided by HDR Engineering, Inc. were loaded into Global Positioning System (GPS) software and utilized by field personnel during the investigation to evaluate potential utility conflicts. No utilities were encountered during field operations.

3.3 Encroachment Permit

Leighton Consulting had two encroachment permits for the fieldwork conducted within the Caltrans right-of-way. The first permit number was 08-08-N-SV-0589 and was dated June 4, 2009, and expired June 25, 2010. The second permit number was 08-08-N-DP-0731 and was dated June 4, 2009, and expired on June 25, 2010. Leighton Consulting notified the inspector 10 days prior to field sampling activities per the permit requirements. In addition, the Caltrans Environmental Reviewer was notified at least 72 hours in advance of execution of field sampling.

3.4 Traffic Control

A Cone Zone, an experienced traffic control subcontractor, was contracted by Leighton Consulting and was on site during the sampling activities and implemented appropriate traffic control (shoulder and median closure) in accordance with the encroachment permit and Caltrans Guidelines.

4 Field Investigation

4.1 ADL Survey

Between June 10 and August 5, 2009, and March 9 and March 17, 2010, Leighton Consulting advanced a total of 725 borings at approximately 600-foot intervals on the median, shoulders, and ramps of the 18.5-mile study area of the I-15 to investigate the presence of ADL (Figure 2, Sheets 1 through 41). Ramp boring locations were placed at shorter intervals to generate sufficient data to be suitable for statistical analysis (Caltrans, 2007a). The boring location identifier "A" refers to borings advanced in the northbound median, the identifier "B" refers to borings advanced in the southbound median, the identifier "C" refers to borings advanced in the northbound shoulder and ramps, and the identifier "D" refers to borings advanced in the southbound shoulder and ramps. Discrete soil samples were collected from each soil boring at depths of approximately 0.5, 1.0, 2.5, and 5.0 feet bgs or practical refusal using a direct push drill rig or hand auger.

4.2 Sample Collection

Level D personal protective equipment (PPE) was worn during field activities. This equipment included work clothes, steel-toed boots, hard hats, and traffic vests. A new pair of latex or nitrile gloves was worn when collecting each sample. The soils were described and classified using the Unified Soil Classification System (USCS) and description of visible evidence of soil contamination (e.g., odor, staining) was recorded on a soil sampling log by the field geologist during sampling activities. Soil sample logs are provided in Appendix A. Boreholes were backfilled with bentonite chips and hydrated with potable water.

The location of each borehole was measured by GPS equipment. Horizontal coordinates were calculated within an accuracy of approximately 3 feet and reported in decimal degree units in accordance with the North American Datum of 1983 (NAD 83). Boring locations are depicted on Figure 2, Sheets 1 through 41.

4.3 Equipment Decontamination

Non-dedicated sampling equipment (i.e., hand auger, direct push sampler) was decontaminated before and after each sample was collected using the following procedures:

- Detergent wash scrub in first 5-gallon bucket
- Potable water rinse in second 5-gallon bucket
- Distilled water rinse in third 5-gallon bucket
- Final distilled water rinse pumped or poured directly from distilled water container into the third 5-gallon bucket

The equipment decontamination station, consisting of three 5-gallon buckets, was located on the opposite side of the direct push drill rig away from the sample preparation area. Sampling equipment was placed on clean Visqueen to dry. Each 5-gallon bucket was contained on top of plastic sheeting.

4.4 Sampling Containers, Preservation, and Holding Times

The direct push soil samples were collected in new acetate sleeves, which were cut at the appropriate sampling depth in the field with a decontaminated hacksaw, sealed with Teflon sheets and tight-fitting plastic end caps, and labeled with sample point identification. When samples were collected via hand auger they were transferred into laboratory-supplied, clean 4-oz glass jars. Each sample was placed in an ice chest cooled to approximately 4 degrees Celsius for storage and transportation to Enviro-Chem, Inc. in Pomona, California, a State of California-certified laboratory.

4.5 Sample Handling and Storage

In the field, each sample container was marked prior to sample collection with the sampling location number; depth; date and time of sample collection; sampler's name; type of analysis; and preservative used. Each sample container was wiped with clean paper towels, sealed in Ziploc bags, and securely packed in a cooler on ice in preparation for delivery to the laboratory.

4.6 Sample Custody

For each sample submitted to the laboratory for analysis, information was provided on the chain-of-custody form supplied by the laboratory. The information recorded included the sampling date and time, sample identification number, matrix type, requested analyses and methods, preservatives, and the sampler's name. Sampling team members maintained custody of the samples until they were relinquished to laboratory personnel. The chain-of-custody form accompanied the samples from the time of collection until received by the laboratory. Each party taking possession of the samples signed the chain-of-custody form signifying receipt. A copy of the original completed forms was provided by the laboratory along with the report of results. Copies of the chain-of-custody forms have been provided with the laboratory reports in Appendix B.

5 Laboratory Analysis

5.1 Analytical Laboratory Certification

Analytical procedures applicable to samples obtained from the site are presented below. The reporting limits (practical quantitation limit) for each analyte tested are provided in the laboratory reports provided in Appendix B. The laboratory, Enviro-Chem, Inc. of Pomona, California, is certified by the Department of Public Health, Environmental Laboratory Accreditation Program (ELAP), certificate number 1555, for each analytical method performed.

5.2 ADL Analytical Protocols

Soil samples were collected during two different field mobilizations (a median ADL survey and a shoulders and ramps ADL survey). After the initial mobilization, the DTSC issued a new ADL variance; therefore soil sample analytical methodologies were changed slightly between these two investigations.

Soil samples collected for the median ADL survey were analyzed for total threshold limit concentration (TTLC) of lead by United States Environmental Protection Agency (EPA) Method 6010B. Samples with TTLC lead concentrations above 50 milligrams per kilogram (mg/kg), but less than 1,000 mg/kg, were analyzed for soluble threshold limit concentration (STLC) by the California citric acid waste extraction test (WET-CA). Samples that contained lead STLC by the WET-CA method ≥5 milligrams per liter (mg/l) were also analyzed for STLC by the deionized water WET method (WET-DI). Soil samples with lead TTLC ≥1,000 mg/kg and/or a lead STLC ≥5 mg/l as measured by the WET-CA method were analyzed by the toxicity characteristic leaching procedure (TCLP) EPA Method 1311. Based on the results of this analysis, an additional 10% of random soil samples were selected to be analyzed for lead STLC by the WET-CA and WET-DI methods. Ten percent of the soil samples were also analyzed for soil pH by EPA Method 9045.

Soil samples collected for the shoulders and ramps ADL survey were analyzed for lead TTLC by EPA Method 6010B. Samples with lead TTLC greater than 50 mg/kg, but less than 1,000 mg/kg, were analyzed for lead STLC by the WET-CA and WET-DI methods. Samples with lead TTLC concentrations greater than 50 mg/kg, but less than 3,397 mg/kg, were analyzed for lead STLC by the WET-DI method. An additional 10% of random soil samples were also analyzed for lead STLC by the WET-CA and WET-DI methods. Soil samples with lead TTLC lead ≥1,000 mg/kg and/or lead STLC as measured by the WET-CA method ≥5 mg/l were analyzed by the TCLP (EPA Method 1311).

Under the current soil management agreement standard, soils containing lead TTLC greater than 50 mg/kg are to be analyzed for lead STLC by the WET-CA method. Samples that exhibit a concentration ≥5 mg/L using the WET-CA method will be analyzed for lead STLC by the WET-

DI method. Both protocols were followed during under the two previous ADL variances. Soil samples with total lead >1,000 mg/kg will also be analyzed by the TCLP (EPA Method 1311). No samples collected within the ELPSE alignment contained >1,000 mg/kg total lead and therefore did not require TCLP analyses beyond those performed during the previous investigations under the current soil management agreement. The STLC analyses that were performed during the previous investigations were adequate for the dataset based on the requirements of the current soil management agreement.

6 Quality Assurance Project Plan (QAPP)

Leighton Consulting recognizes that data quality comes from several different procedures, including field procedures, documentation procedures, and quality assurance/quality control (QA/QC) procedures. The necessary QA/QC procedures were performed in accordance with acceptable protocols. The data generated was evaluated to verify that it meets the overall project data quality objectives (DQOs) for precision, accuracy, representativeness, comparability, and completeness (PARCC). Sampling and analysis procedures, personnel requirements, chain-of-custody and documentation requirements, and specific criteria for evaluating data acceptability can be traceable.

Leighton Consulting collected two types of QC samples: field duplicate samples and field equipment blank samples.

6.1 Field Duplicate Samples

A minimum of 10% of primary samples were collected as field duplicates. Sets of samples (primary and duplicate) from a single source were prepared, labeled with unique sample numbers, and submitted to the laboratory without cross-referencing data and without identification as duplicates on the parameter request sheet. Field duplicates were designated by adding 500 to the sample numbers in the median and 1,000 to the sample numbers in the shoulders/ramps to the primary sample location numbers (e.g., A690-0.5, D1198-0.5).

6.2 Field Equipment Blanks

Field equipment blanks were prepared in the field to evaluate whether a sampling device (e.g., direct push sampler, hand auger) had been effectively cleaned. The sampling device was decontaminated in accordance with the procedures described in Section 4.3. Metal-free, deionized water was then poured through the device, transferred to the appropriate sample bottles, preserved, and returned to the laboratory for analysis. One equipment blank was collected per sampling tool used at the site each day. The equipment blank was analyzed for constituents of concern. Equipment blanks were designated with E-series numbers and results are summarized on Table 2. Lead was not reported above the practical quantitation limits (PQLs) in any of the equipment blanks analyzed.

6.3 Laboratory QC Requirements

To obtain data on the precision, accuracy, and representativeness of the analytical results, the analytical laboratory analyzed the QC samples with suspected contamination as specified by the Project Manager. The control limits and corrective actions for each parameter are specified in each analytical method. Laboratory analyses of soil and water required the following QC samples:

- Calibration verification following instrument calibration and once every 10th sample thereafter through the working day.
- Laboratory blank verification at instrument calibration and once every 10th sample thereafter through the working day to check instrument drift.
- Method blank analysis at a rate of once per batch of samples or one per 20 samples of a single matrix, whichever is more frequent, to evaluate contamination levels during preparation.
- Matrix spike/matrix spike duplicate (MS/MSD) analyses at a rate of one per batch of samples for each matrix type (e.g., soil, water) and concentration level (e.g., low, medium) or one in 20 samples, whichever is more frequent. The MS/MSDs are used to check for the ability to accurately and precisely recover compounds of interest from the matrix.

The results of analyses of these QC samples were used as independent, external checks on laboratory and field contamination.

6.4 Laboratory QA/QC

A QA/QC evaluation according to precision, accuracy, representativeness, completeness, and comparability (PARCC) parameters was performed relative to the project data quality objectives (DQOs). The results of the laboratory data validation for PARCC parameters were reported to be within the acceptable goals of the EPA guidelines. Of the 725 soil samples collected within the ELPSE alignment, none of the sample results were rejected. The completeness was reported at 100% and met the DQO goal of 90%.

Environmental and laboratory QA/QC samples assess the effects of sampling procedures and evaluate laboratory contamination, laboratory performance, and matrix effects. QA/QC samples include: equipment rinsate blanks, field duplicates, method blanks, laboratory control samples (LCSs), surrogate spikes, matrix spike/matrix spike duplicates (MS/MSDs), and laboratory duplicates.

6.4.1 Precision

Precision is a measure of the agreement or reproducibility of analytical results under a given set of conditions. It is a quantity that cannot be measured directly but is calculated from percent recovery data. Precision is expressed as the relative percent difference (RPD):

$$RPD = (D1-D2)/\{1/2(D1+D2)\} \times 100$$

Where D1 and D2 are the reported concentrations for sample and duplicate analyses.

Precision is primarily assessed by calculating an RPD from the percent recoveries of the spiked compounds for each sample in the MS/MSD pair. In the absence of an MS/MSD pair, a laboratory duplicate or laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) pair can be analyzed as an alternative means of assessing precision. In some cases, samples from multiple sample delivery groups (SDGs) were within one QC batch and therefore are associated with the same laboratory QC samples. An additional measure of sampling precision was obtained by collecting and analyzing field duplicate samples, which were compared using the RPD result as the evaluation criteria (Table 2).

For inorganic analysis, one primary sample is analyzed and accompanied by an unspiked laboratory duplicate. The data reviewer compares the reported results of the primary analysis and the laboratory duplicate and then calculates RPDs, which are used to assess laboratory precision.

An RPD outside the numerical QC limit in either MS/MSD samples or LCS/LCSD indicates imprecision. Imprecision is the variance in the consistency with which the laboratory arrives at a particular reported result. Thus, the actual analytes concentration may be higher or lower than the reported result.

Possible causes of poor precision include sample matrix interference, improper sample collection or handling, inconsistent sample preparation, and poor instrument stability. In some duplicate pairs, results may be reported in either the primary or duplicate samples at levels below the reporting limit or non-detected. Since these values are considered to be estimates, RPD exceedances from these duplicate pairs do not suggest a significant impact on the data quality.

6.4.2 Accuracy

Accuracy is a measure of the agreement of an experimental determination and the true value of the parameter being measured. It is used to identify bias in a given measurement system. Recoveries outside acceptable QC limits may be caused by factors such as instrumentation, analyst error, or matrix interference. Accuracy is assessed through the analysis of MS, MSD, LCS, and samples containing surrogate spikes. Accuracy of inorganic analyses is assessed using the percent recoveries of MS and LCS analyses.

Percent recovery (%R) is calculated using the following equation:

$$\%R = (A-B)/C \times 100$$

Where:

A = measured concentration in the spiked sample

B = measured concentration of the spike compound in the unspiked sample

C = concentration of the spike

The percent recovery of each analyte spiked in MS/MSD samples, LCS, and surrogate compounds added to environmental samples is evaluated with the acceptance criteria specified by the previously noted documents. The acceptable recovery range for the MS/MDS sample pairs is 75% to 125%. The acceptable recovery range for the LCS is 85% to 115%. Laboratory QA/QC data sheets are included in Appendix B. The percent recovery for all samples was within the acceptance criteria; no samples were rejected.

6.4.3 Representativeness

Representativeness is a qualitative parameter that expresses the degree to which the sample dataset is characteristic of a population. It is evaluated by reviewing the QC results of blank samples and holding times. Positive detects of compounds in the blank samples identify compounds that may have been introduced into the samples during sample collection, transport, preparation, or analysis. The QA/QC blanks collected and analyzed are method blanks.

A method blank is a laboratory-grade water or solid matrix that contains the method reagents and has undergone the same preparation and analysis as the environmental samples. Lead was not detected in the method blanks at concentrations exceeding the laboratory reporting limit of 0.5 mg/kg. Method blank results are included in Appendix B.

6.4.3.1 Method Holding Times

Holding times are evaluated to assure that the sample integrity is intact for accurate sample preparation and analysis. Holding times are specific for each method and matrix analyzed. The holding time for soil samples to be analyzed for TTLC lead is 180 days (US EPA, 2014). Holding times were **not** exceeded for the samples analyzed during this investigation.

6.4.4 Comparability

Comparability is a qualitative expression of the confidence with which one data set may be compared to another. It provides an assessment of the equivalence of the analytical results to data obtained from other analyses. It is important that data sets be comparable if they are used in conjunction with other data sets. The samples were collected under similar field conditions, sampling procedures, and laboratory methodologies and are therefore comparable.

6.4.5 Completeness

Completeness is defined as the percentage of acceptable sample results compared to the total number of sample results. Completeness is evaluated to assess whether an acceptable amount of usable data was obtained so that a valid scientific site assessment can be completed. As specified in the project DQOs, the goal for completeness for target analytes in each analytical fraction is 90%.

Percent completeness is calculated using the following equation:

%C = (T - R)/T x 100

Where:

%C = percent completeness

T = total number of sample results

R = total number of rejected sample results

Completeness is also evaluated by comparing the planned number of samples per method and matrix with the number determined above. No analyses were rejected from the data sets and completeness is 100%.

6.5 Quality Control Soil Analysis Results

The analytical results of the field duplicates are summarized in Table 2. As a measure of sample precision, the analytical results of the field duplicates were compared to those of the co-located primary samples.

As described above, precision is expressed as the relative percent difference (RPD):

RPD = (D1-D2)/{1/2(D1+D2)} X 100

Where D1 and D2 are the reported concentrations for the primary sample and duplicate analyses.

Sample results reported below the method detection limit are considered identical, and no RPD is calculated. Only sample results above the lower reporting limit (LRL) are used in the RPD comparison.

The RPDs for lead duplicate pairs reported above the LRL ranged from 0% to 189% (Table 2). The RPDs show a certain degree of variability in some of the duplicate pairs and appear to be a result of the heterogeneity within the soil or lead distribution. These heterogeneities may be a result of the mechanisms in which the lead was introduced to the soils and the subsequent disturbance of the soils near the sampling points or from mixed sources of lead. These variances do **not** appear to pose a significant bias to the data set.

7 Results of Investigation

7.1 Total Lead Results

Two thousand nine hundred and ninety-four (2,994) soil samples were analyzed for TTLC lead by EPA Method 6010B and are summarized in Table 1. Lead was reported above the PQL (detection limit) in 2,894 of the 2,994 soil samples (96.6%) collected during this investigation. The soil samples exhibited total lead concentrations ranging from 0.205 mg/kg to 781 mg/kg. All reported concentrations of total lead are below the CCR, Title 22 waste disposal criteria of 1,000 mg/kg TTLC lead. Sixty-nine (69) soil samples exceeded 50 mg/kg lead, and therefore were selected to be analyzed for soluble lead by the STLC WET-CA and STLC WET-DI methods. An additional percentage of soil samples were also selected for STLC WET-CA and STLC WET-DI for statistical purposes.

7.1.1 Soluble Lead by STLC WET-CA

Three hundred thirty-five (335) soil samples were analyzed for soluble lead using the STLC WET-CA method. Lead was reported above the detection limit in 249 of the 335 soil samples analyzed. STLC WET-CA concentrations ranged from 0.050 mg/l to 9.41 mg/l and are summarized in Table 1. Only nine (9) samples exceeded the 5 mg/l screening level for soluble lead. These samples were then analyzed for soluble lead using the TCLP method to evaluate if they meet the criteria for classification as US EPA Resource Conservation and Recovery Act (RCRA) hazardous waste.

7.1.2 Soluble Lead by STLC WET-DI

Three hundred thirty-five (335) soil samples were analyzed for soluble lead using the STLC WET-DI method. Lead was reported above the detection limit in 46 of the 335 soil samples analyzed. STLC WET-DI concentrations ranged from 0.010 mg/l to 1.14 mg/l which is below the 5 mg/l soluble lead criteria for soil reuse under the Caltrans/DTSC soil management agreement (DTSC, 2016).

7.1.3 Soluble Lead by TCLP

Nine (9) soil samples were analyzed for soluble lead using the TCLP method. Only those samples that exceeded 5 mg/l for STLC WET-CA were analyzed by this method. Lead was reported above the detection limit in each of the nine soil samples analyzed. TCLP concentrations ranged from 0.018 mg/l to 0.400 mg/l, which is below the 5.0 mg/l criteria for classification as RCRA hazardous waste.

7.1.4 pH

One hundred ninety-eight (198) samples, selected at random, were analyzed for pH using EPA method 9045B. The pH values ranged from 5.84 to 9.48, and are summarized in Table 2. This is

within the non-hazardous waste range of 3 to 12, and is above the 5.5 pH disposal criteria. Lead-impacted soils with pH below 5.5 may not be reused on site.

7.1.5 Statistical Analysis

Leighton Consulting evaluated the results of the soil sample analyses to find the mean and the 95% UCLs for lead in soil in accordance with SW-846, Chapter 9 (EPA, 2014). This evaluation was conducted to evaluate whether the soil would be considered a hazardous waste if excavated or whether it could be reused at the subject site in accordance with the Caltrans/DTSC soil management agreement, for management of soils containing ADL (DTSC, 2016). The soil management agreement uses the 95% UCL on the mean of the total and soluble lead data to evaluate the appropriate disposition of the soil.

Statistical methods were applied to the total and soluble data to analyze the distribution of the data sets (normal, lognormal, gamma, and/or non-parametric), whether there is an acceptable correlation between the total and soluble lead concentrations, and the 95% UCL on the mean value. Statistical methods used during this investigation and the calculated values were generated by using the EPA's statistical program, ProUCL, version 5.1 (US EPA, 2015).

The first step in determining the 95% UCL on the mean is establishing the type of distribution of the data set. Distribution was analyzed by creating histograms of the different data sets, including the non-detected values. The laboratory reporting limit was entered as the sample concentration for each of the non-detect samples. The histograms for the TTLC and STLC WET-CA values indicated a non-parametric distribution; therefore, the data could not be transformed. Histograms for the total and soluble lead concentrations are included in Appendix C.

7.1.6 95% UCL

Once the distribution was confirmed using histograms, the data was again imported into ProUCL. Statistical evaluation of lead analytical results for the complete data set, including non-detects (NDs), was completed to calculate the confidence intervals. The 95% UCL for the population mean for total lead was 12.54 mg/kg. The 95% UCL for soluble lead (STLC WET-CA) was 0.99 mg/l; therefore, the soil does not represent significant environmental or health hazards and can be classified as unregulated. The soil is classified as non-hazardous soil type X according to the DTSC/Caltrans soil management agreement (DTSC, 2016). The soils are below the California Human Health Screening levels for unrestricted land use of 80 mg/kg and do not pose a significant health risk to worker safety (DTSC, 2016).

Statistical analysis results are summarized in Table 3. Laboratory reports are provided in Appendix B, and ProUCL data sheets are provided in Appendix C.

7.1.7 Soluble Lead Statistical Analysis

A comparison of the STLC WET-CA analyses performed on TTLC lead samples greater than and less than the TTLC 95% UCL was performed using a Student's t-test. First the STLC WET-CA data set was divided into two sample populations: the first population included all STLC WET-CA analyses from soil samples that contained less than 12.54 mg/kg of total lead; the second population consisted of STLC WET-CA analyses from soil samples that contained greater than 12.54 mg/kg of total lead. The mean, standard deviation, and variance were calculated for each sample population and the t-test was performed at a 95% significance level ($\alpha = 0.05$). Based on the results of the t-test, there is a greater than 99.99% probability ($p = 2.395E-11$) that the mean of the STLC WET-CA data taken from samples with TTLC lead greater than 12.54 mg/kg is greater than the mean of the STLC WET-CA data taken from samples with TTLC lead less than 12.54.

Laboratory reports are provided in Appendix B and the statistical analysis is provided in Appendix C.

8 Conclusions and Recommendations

The soil samples exhibited total lead concentrations ranging from 0.250 mg/kg to 781 mg/kg. The concentrations of lead detected are below the CCR, Title 22 waste disposal criteria of 1,000 mg/kg TTLC lead. Sixty nine (69) soil samples exceeded 50 mg/kg of total lead and therefore were selected to be analyzed for soluble lead by STLC WET-CA and STLC WET-DI. STLC WET-CA concentrations ranged from 0.025 mg/l to 9.41 mg/l. Nine (9) samples exceeded 5 mg/l and were also analyzed for soluble lead using the TCLP method.

Statistical analysis identified the 95% UCL for the population mean for total lead was 12.54 mg/kg. The 95% UCL for soluble lead (STLC WET-CA) was 0.99 mg/l; therefore, tested soil does not represent significant environmental or health hazards and can be classified as non-hazardous, unregulated soil. The average TTLC lead concentrations are below the DTSC Human and Ecological Risk Office Human Health Risk Assessment Note 3 modified screening level of 80 mg/kg for unrestricted land use (DTSC, 2019).

Based on the ADL Survey data and statistical analysis, tested soil does not represent significant environmental or health hazards and, according to the soil management agreement (DTSC, 2016), the soil can be classified as soil Type X, unregulated, and can be reused on the alignment without restriction. Per the soil management agreement, a Lead Compliance Plan is required for worker safety.

9 References

9.1.1 Printed References

Caltrans (California Department of Transportation), 2006, Project Development Procedures Manual, Chapter 18, dated February 28, 2006.

Caltrans, 2007, Aerially Deposited Lead Guidance, dated June, 2007

Caltrans, 2016, Soil Management Agreement for Aerially Deposited Lead-Contaminated Soils, https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/11/DTSC-Caltrans-ADL- Agreement-Signed-w-Exhibits-Final-6-30-16.pdf, dated June 30, 2016.

CFR (United States Code of Federal Regulations), Title 29, Code of Federal Regulations Part 1910.120m Volume 5, dated July 1, 2008.

DTSC (State of California, Environmental Protection Agency, Department of Toxic Substances Control), 2016, Soil Management Agreement for Aerially Deposited Lead-Contaminated Soils, dated March 2016.

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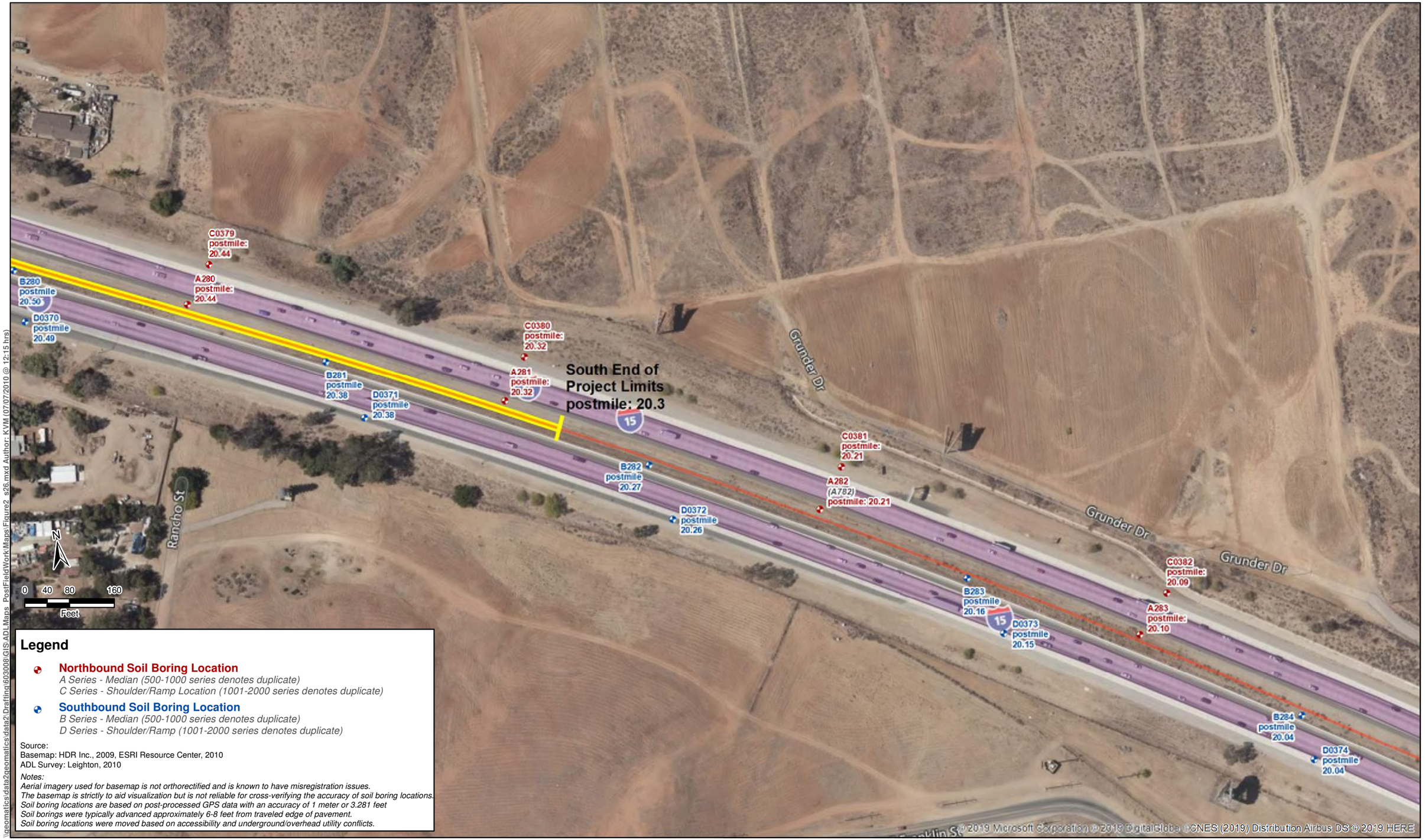
Leighton, 2010, Interstate 15 Corridor Improvement Project Riverside County, California District 8-RIV-15 (PM 8.74/52.28) EA 0J0800 Aerially Deposited Lead Survey, dated July 2010.

Leighton, 2019, ADL Analysis Workplan Interstate 15 Express Lanes Project Southern Extension From Riverside County Postmile (PM) 20.3 to Riverside County PM 38.8 Cities of Corona and Lake Elsinore, California District 8-RIV-15 (PM 20.3/38.3) EA 0J0820, dated September 2019.

US EPA (United States Environmental Protection Agency), 2014, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846), dated July 2014.

US EPA, 2015, ProUCL Users guide, Version 5.1.Office of Research and Development, National Exposure Research Laboratory, Environmental Sciences Division, Technology Support Center, Monitoring and Site Characterization Branch, US EPA. Las Vegas, NV, dated October 2015.



Legend

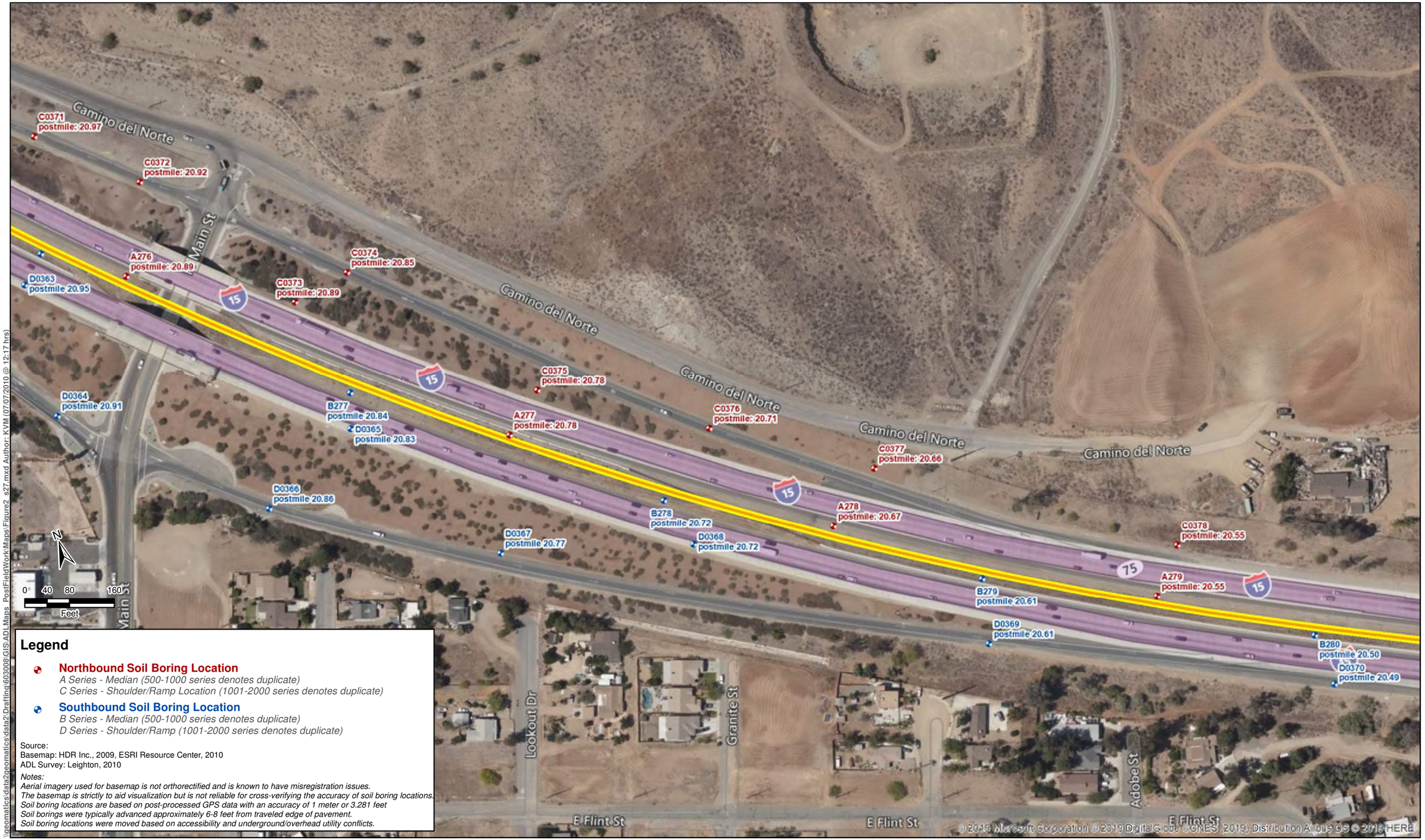
Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2010
ADL Survey: Leighton, 2010

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s1)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



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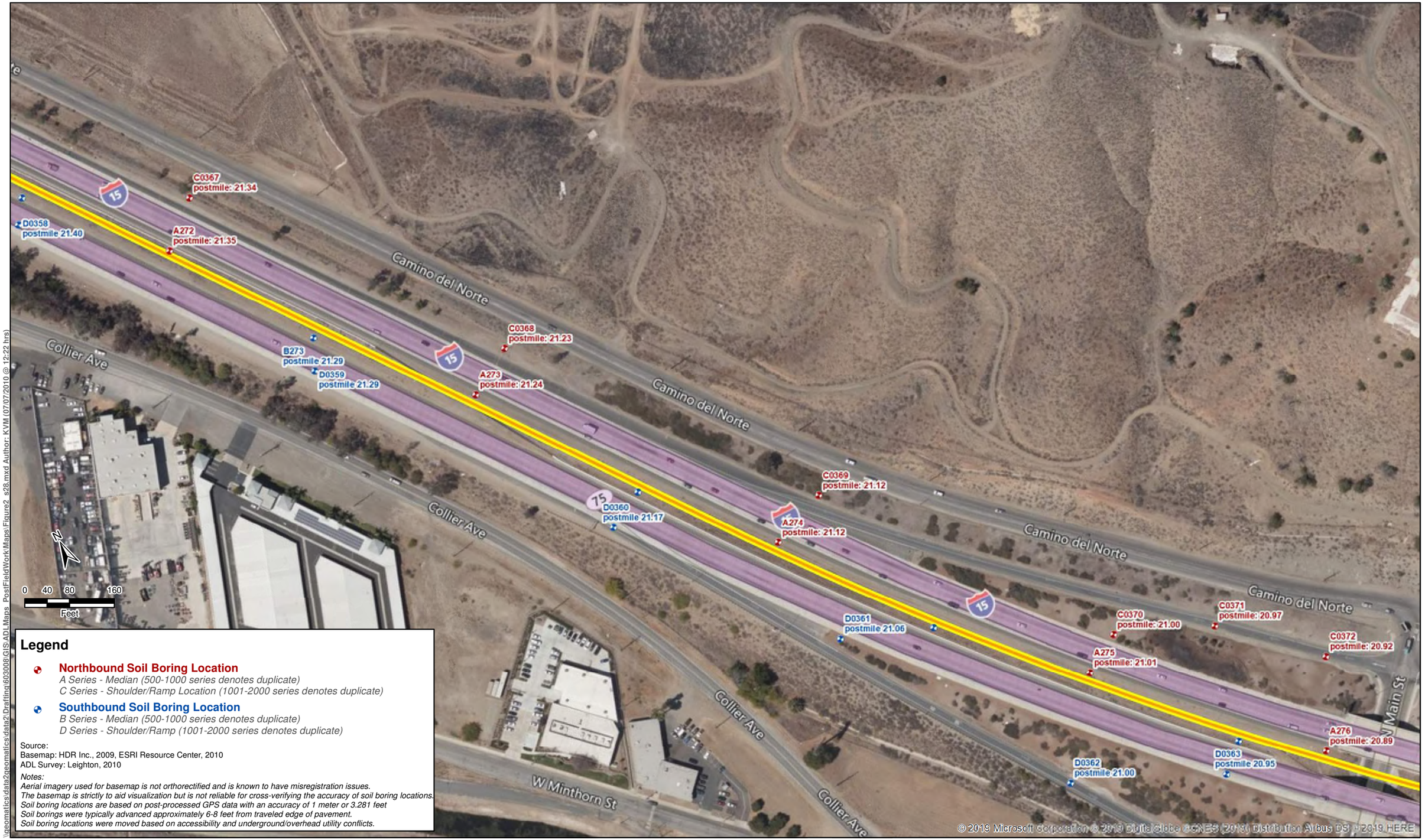

Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

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ADL Survey: Leighton, 2010

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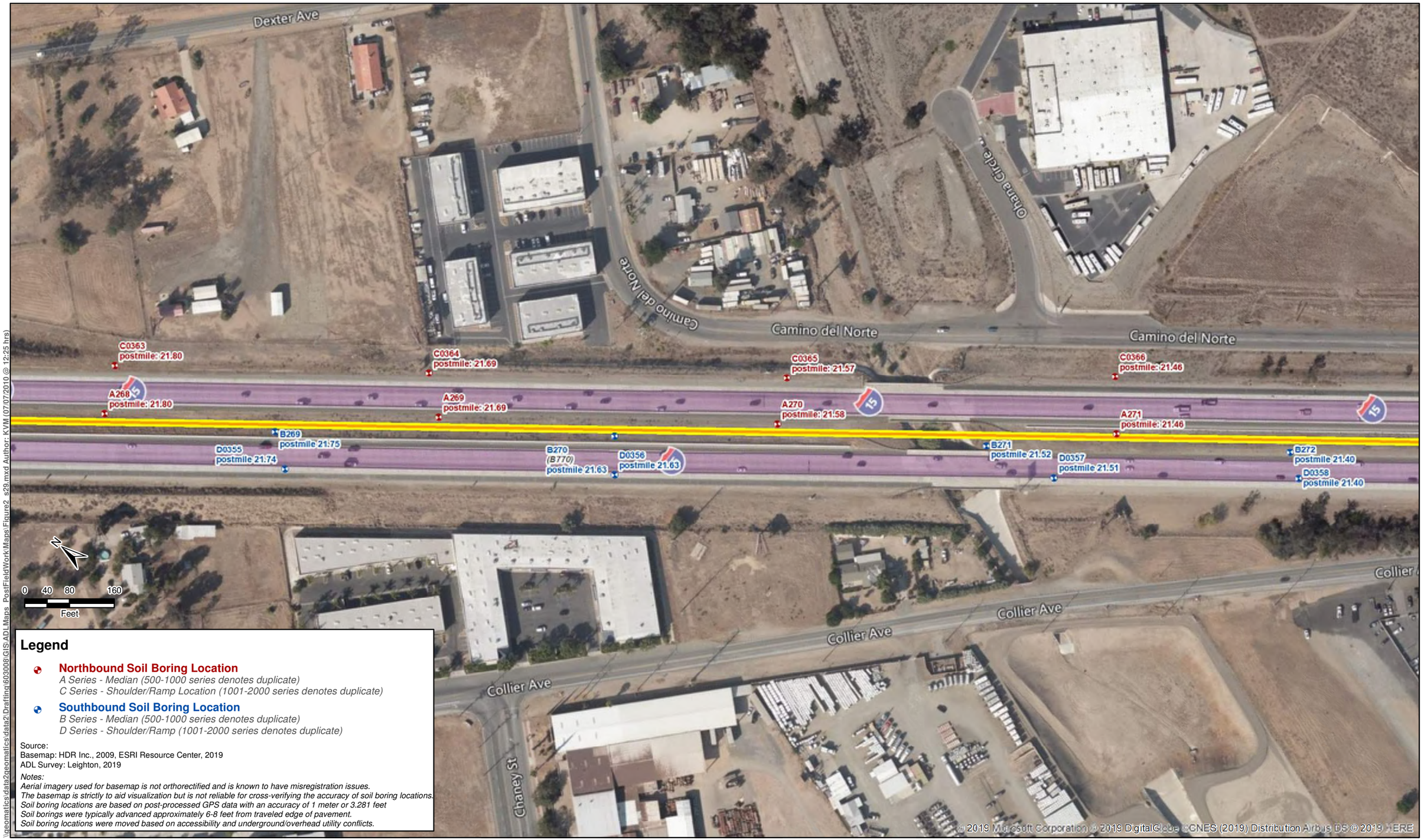
Figure 2 (s3)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
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ADL Survey: Leighton, 2019

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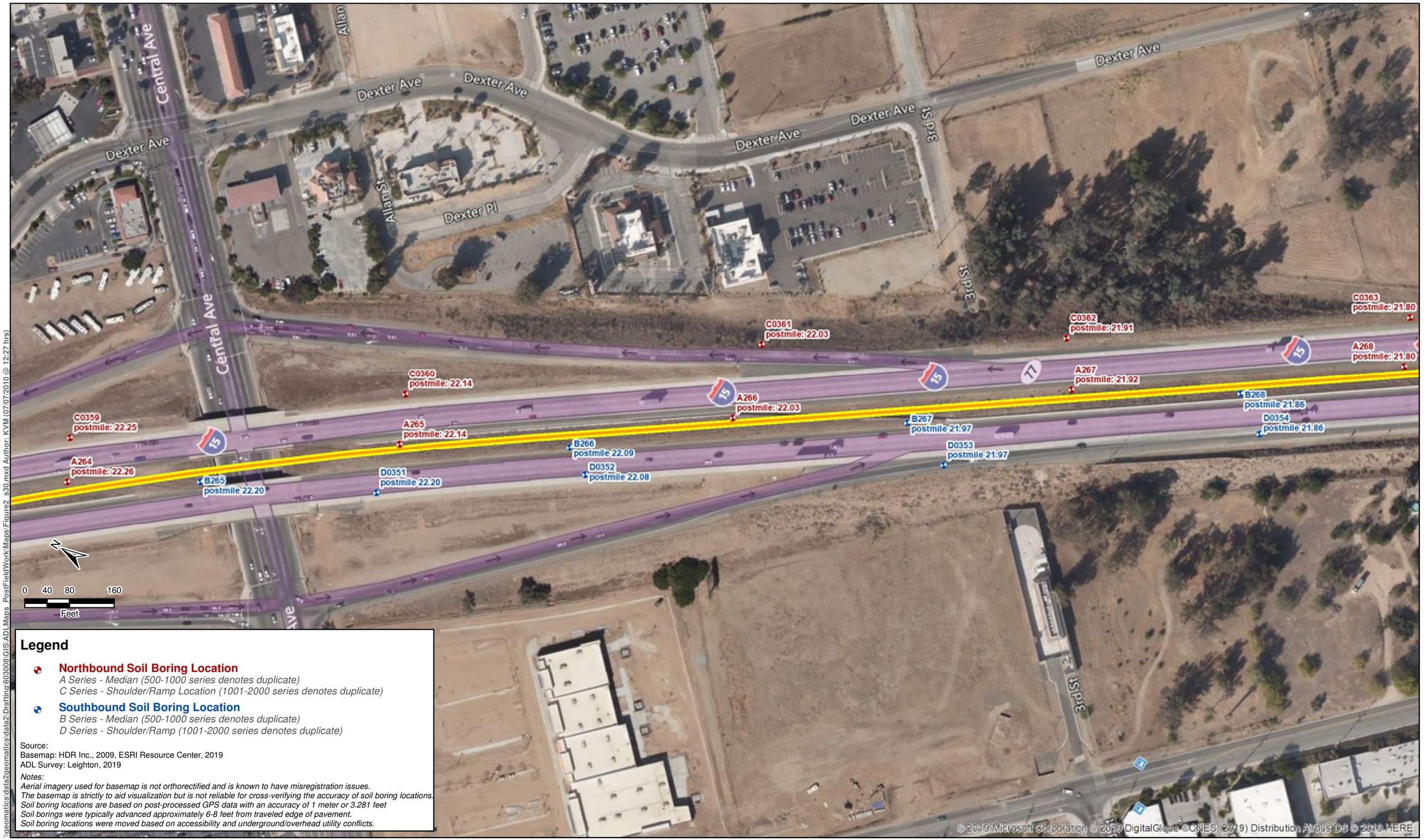
Figure 2 (s4)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
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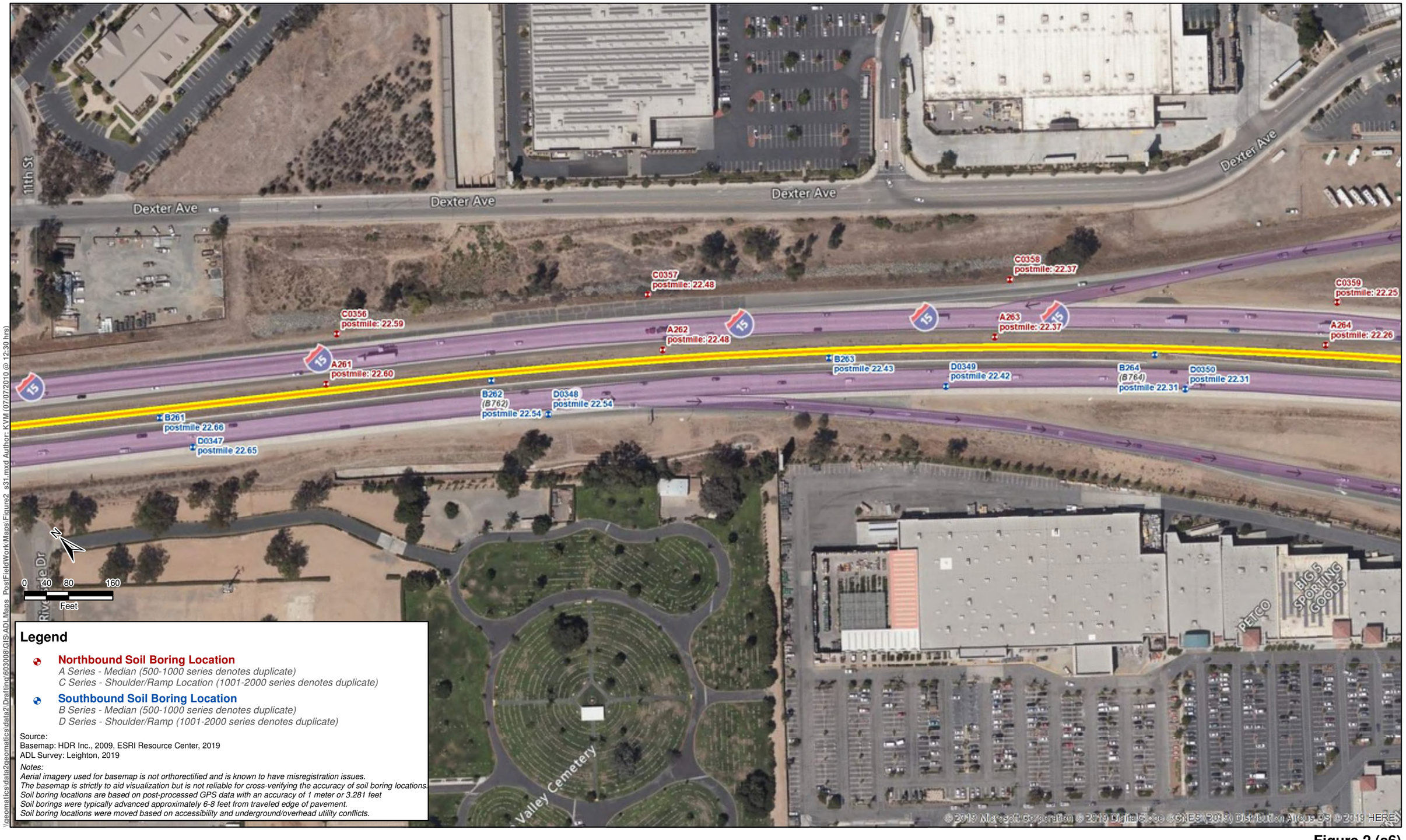
Figure 2 (s5)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

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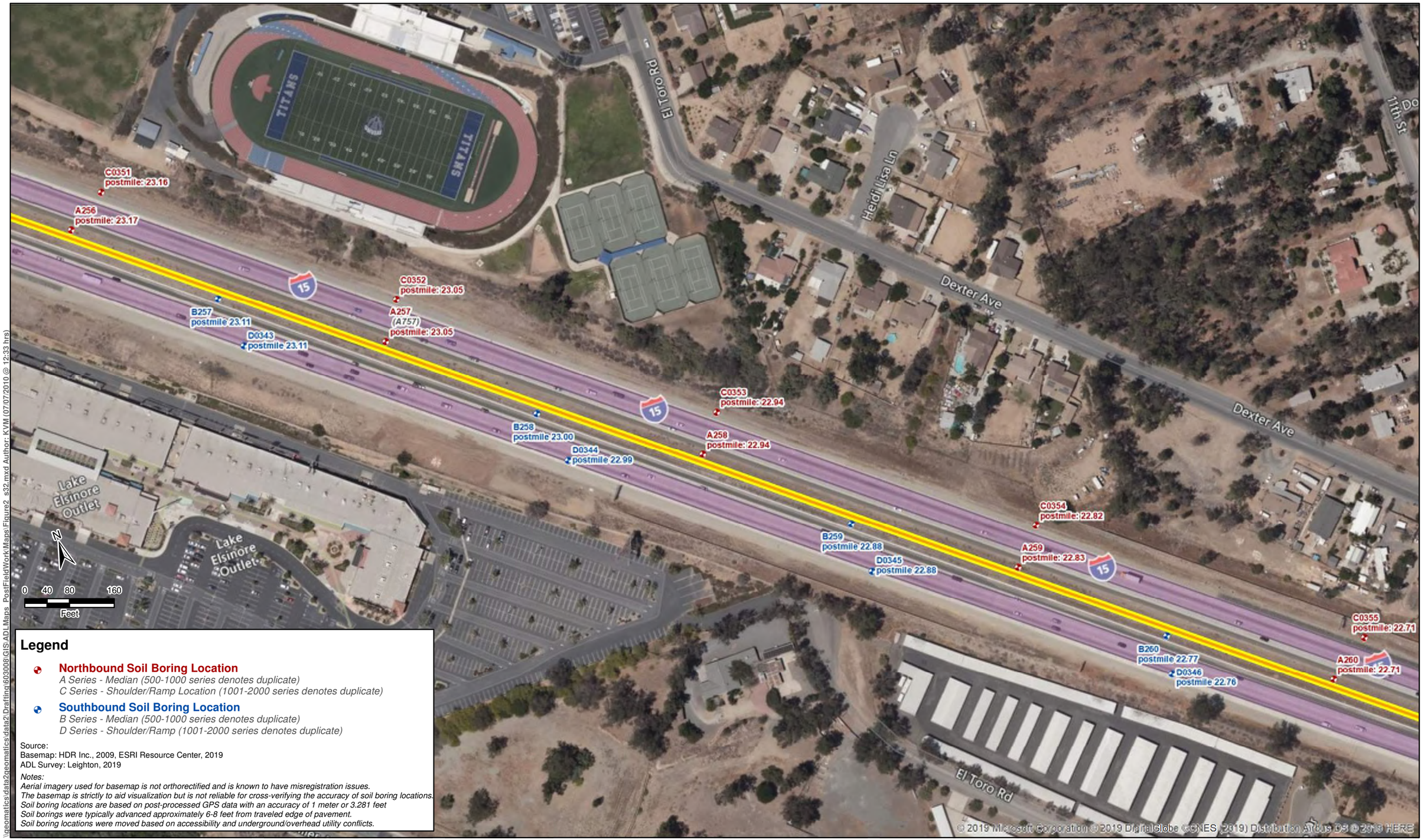

Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
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ADL Survey: Leighton, 2019

Notes:
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Figure 2 (s7)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California

Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
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ADL Survey: Leighton, 2019

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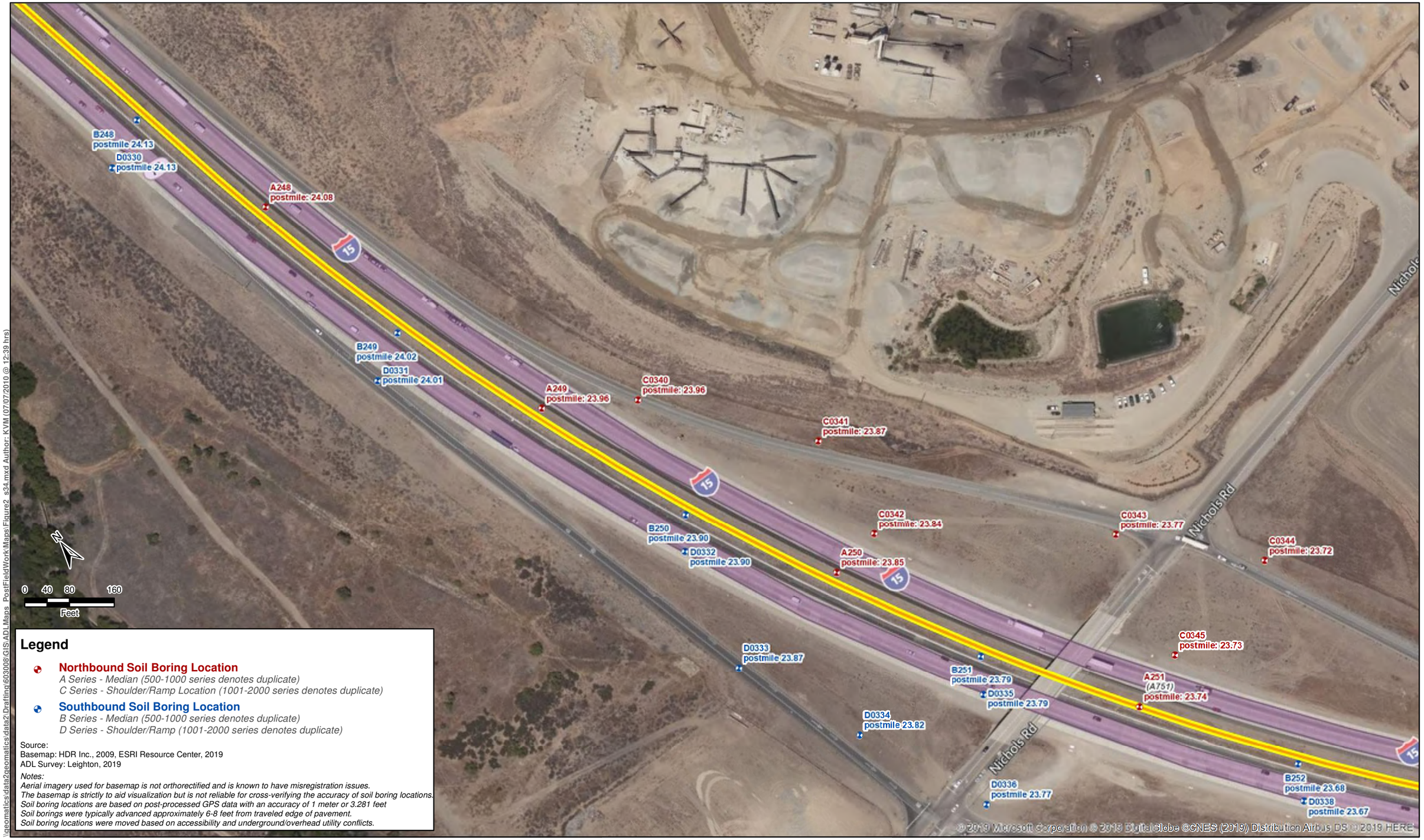
Figure 2 (s8)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

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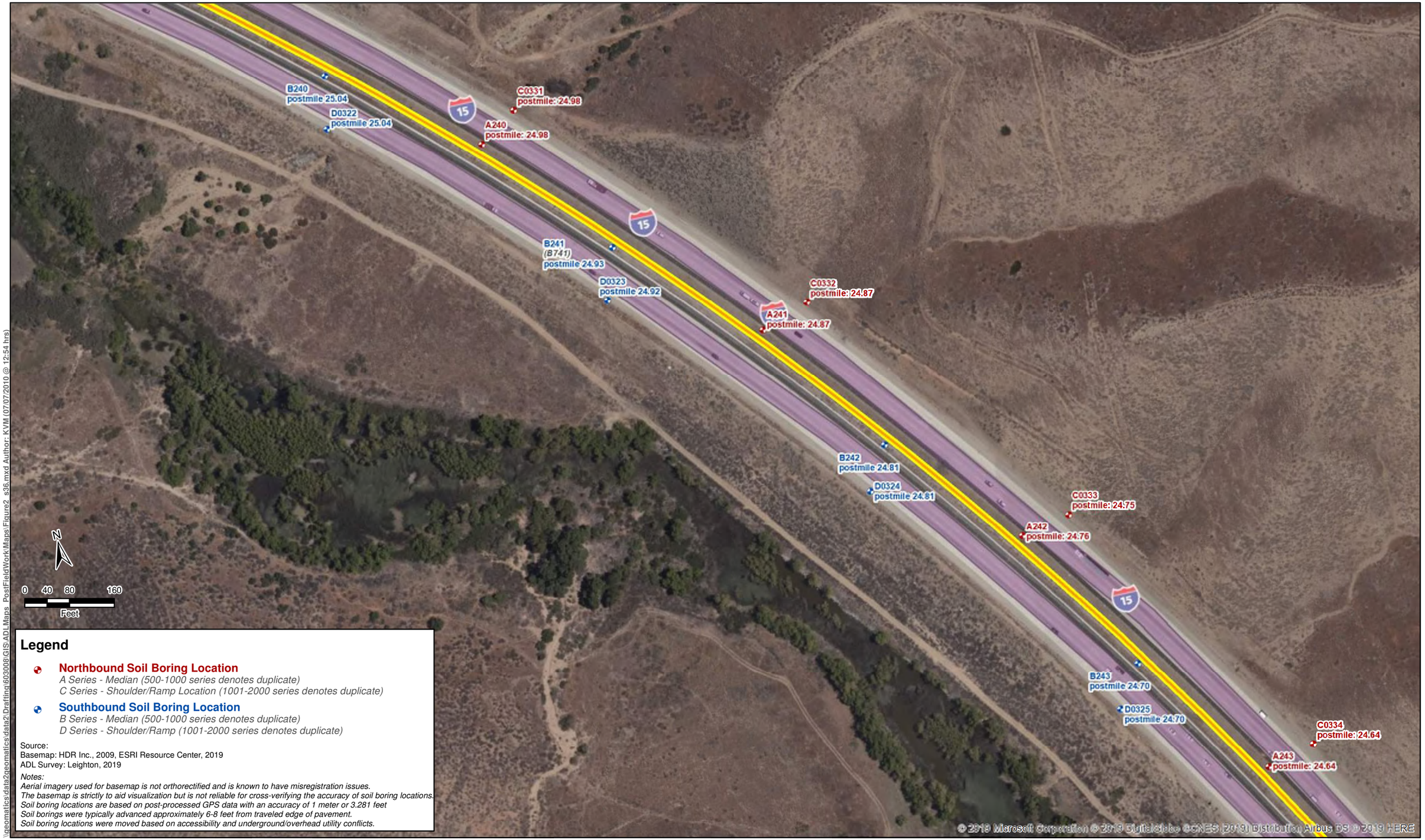
Figure 2 (s9)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California

Figure 2 (s10)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



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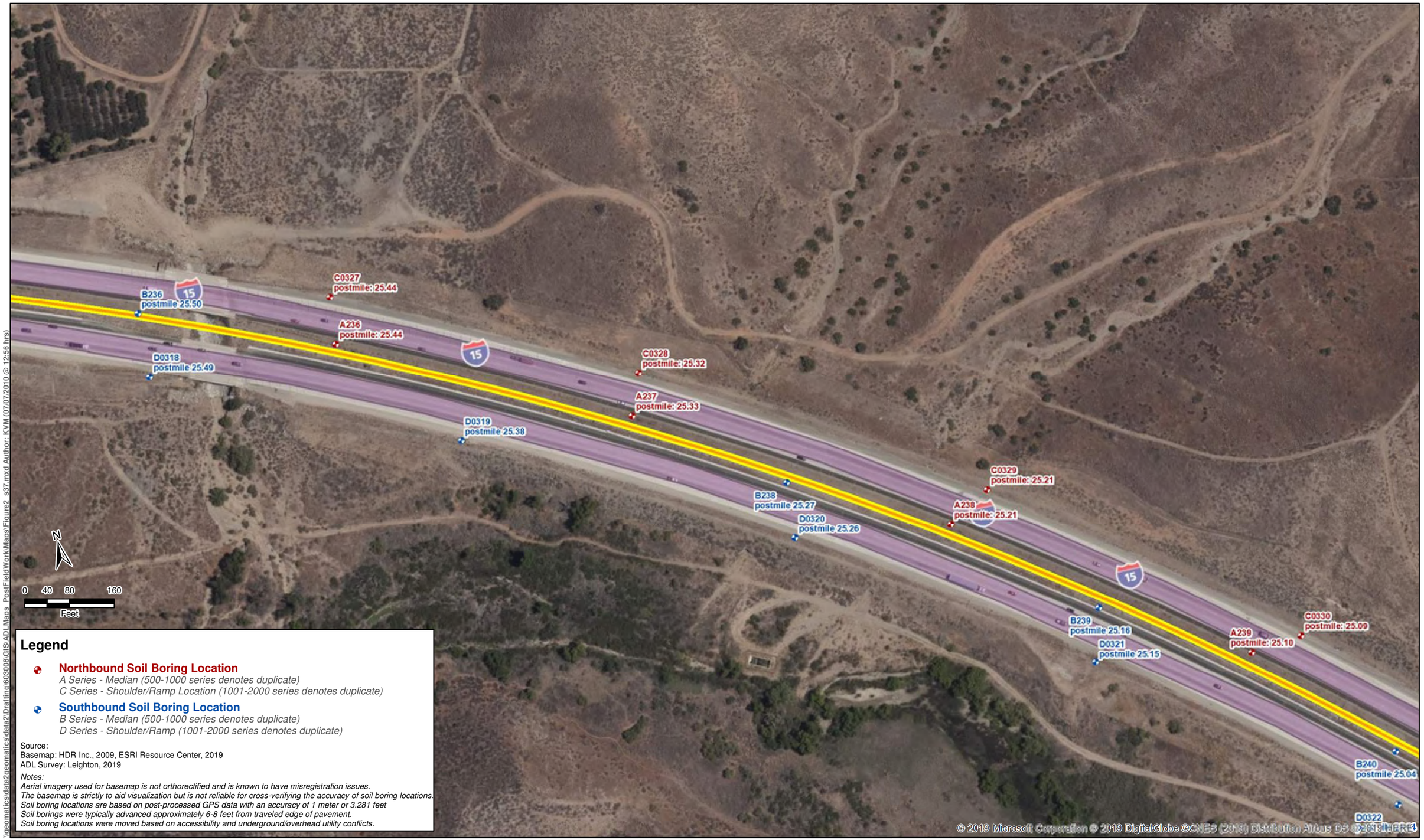
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



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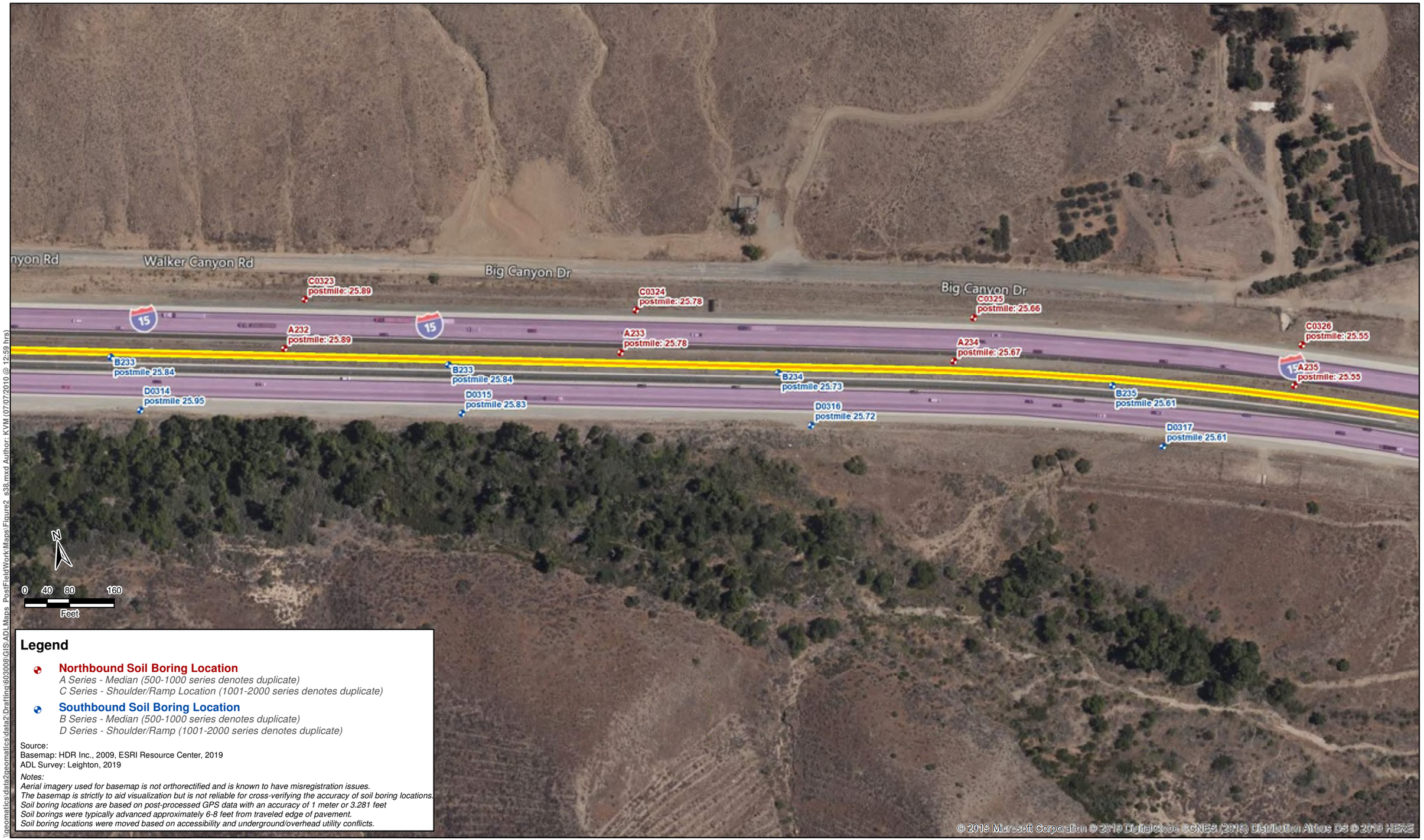
I-15 Corridor Improvement Project, Riverside County, California



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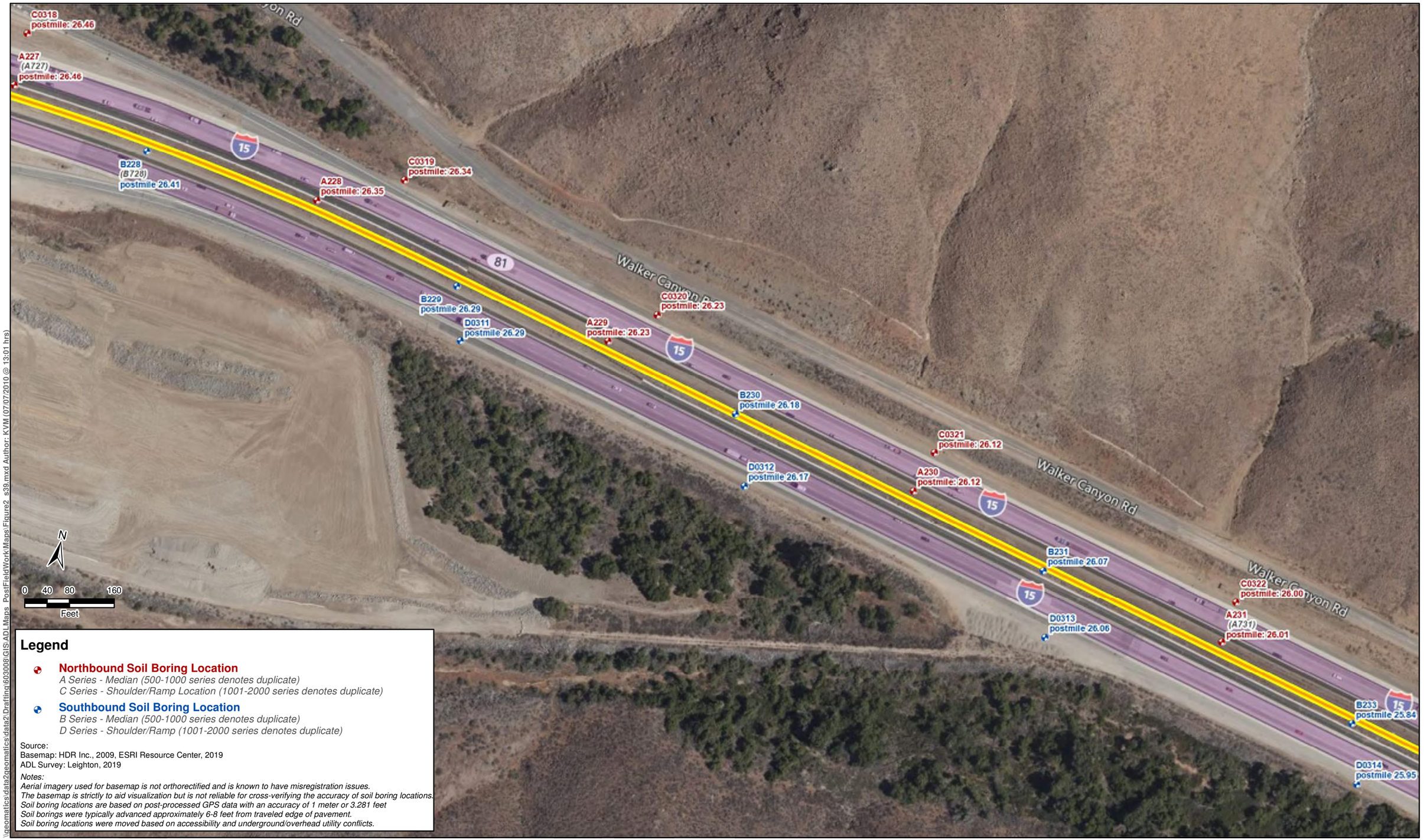
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

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ADL Survey: Leighton, 2019

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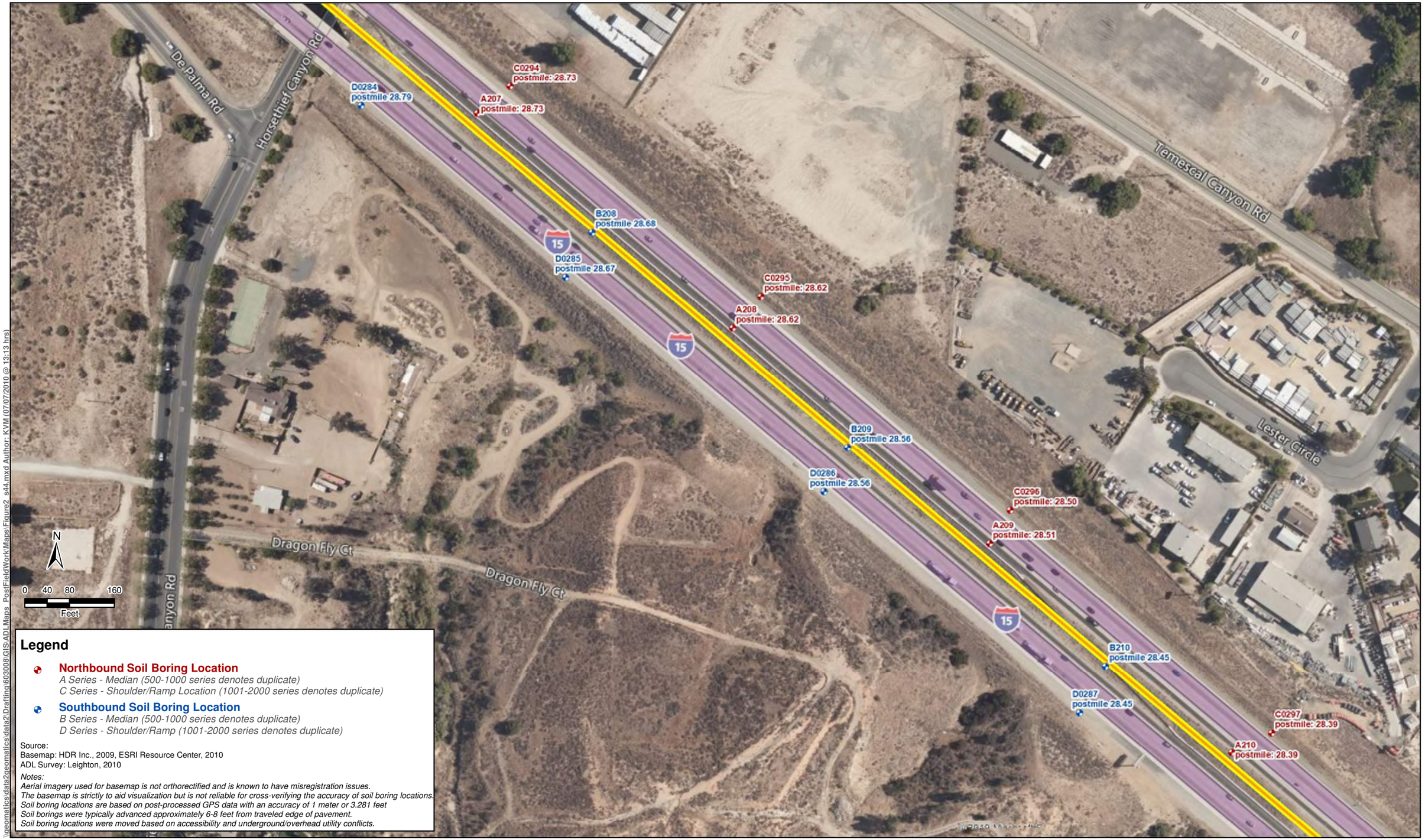
Figure 2 (s14)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
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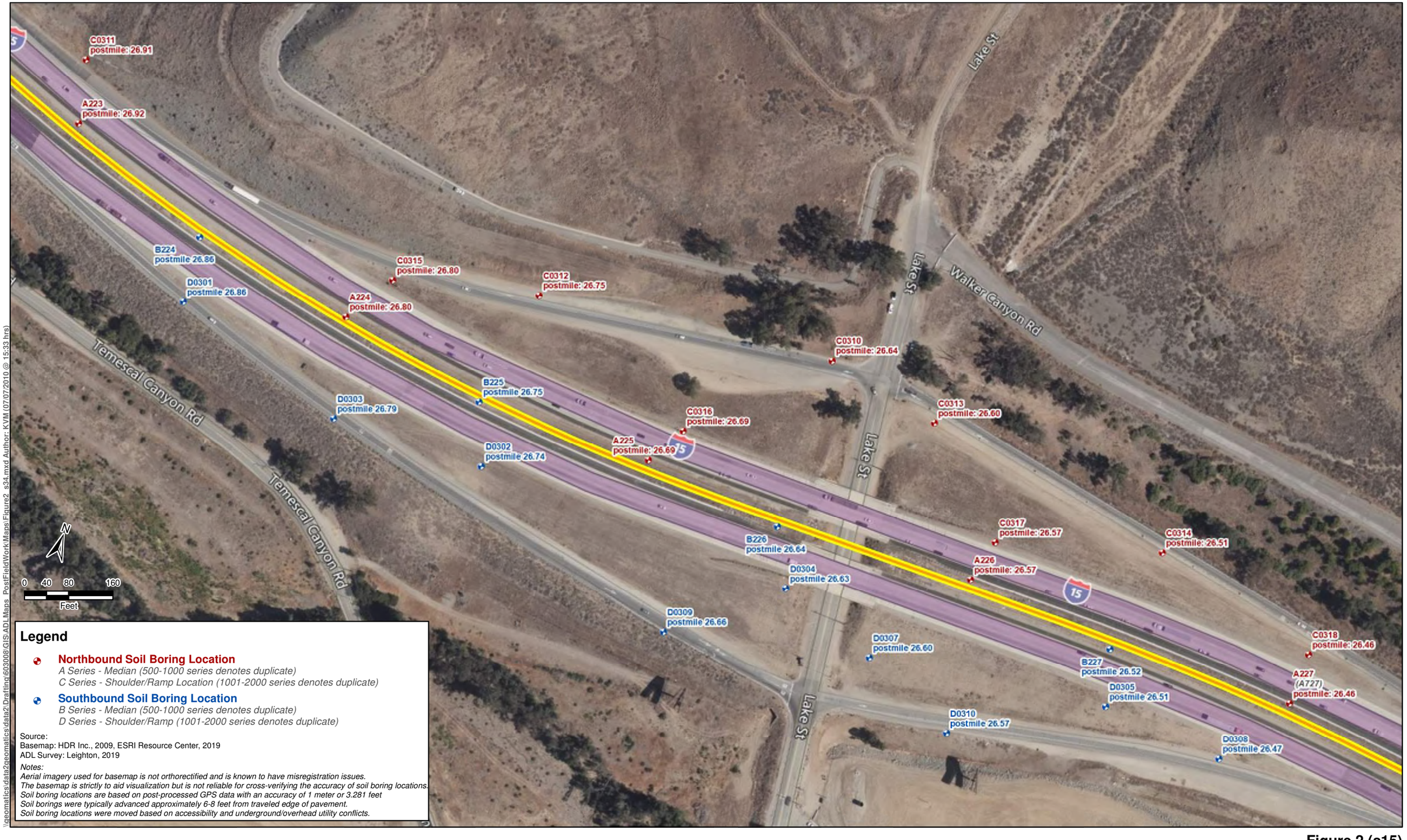
Figure 2 (s19)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

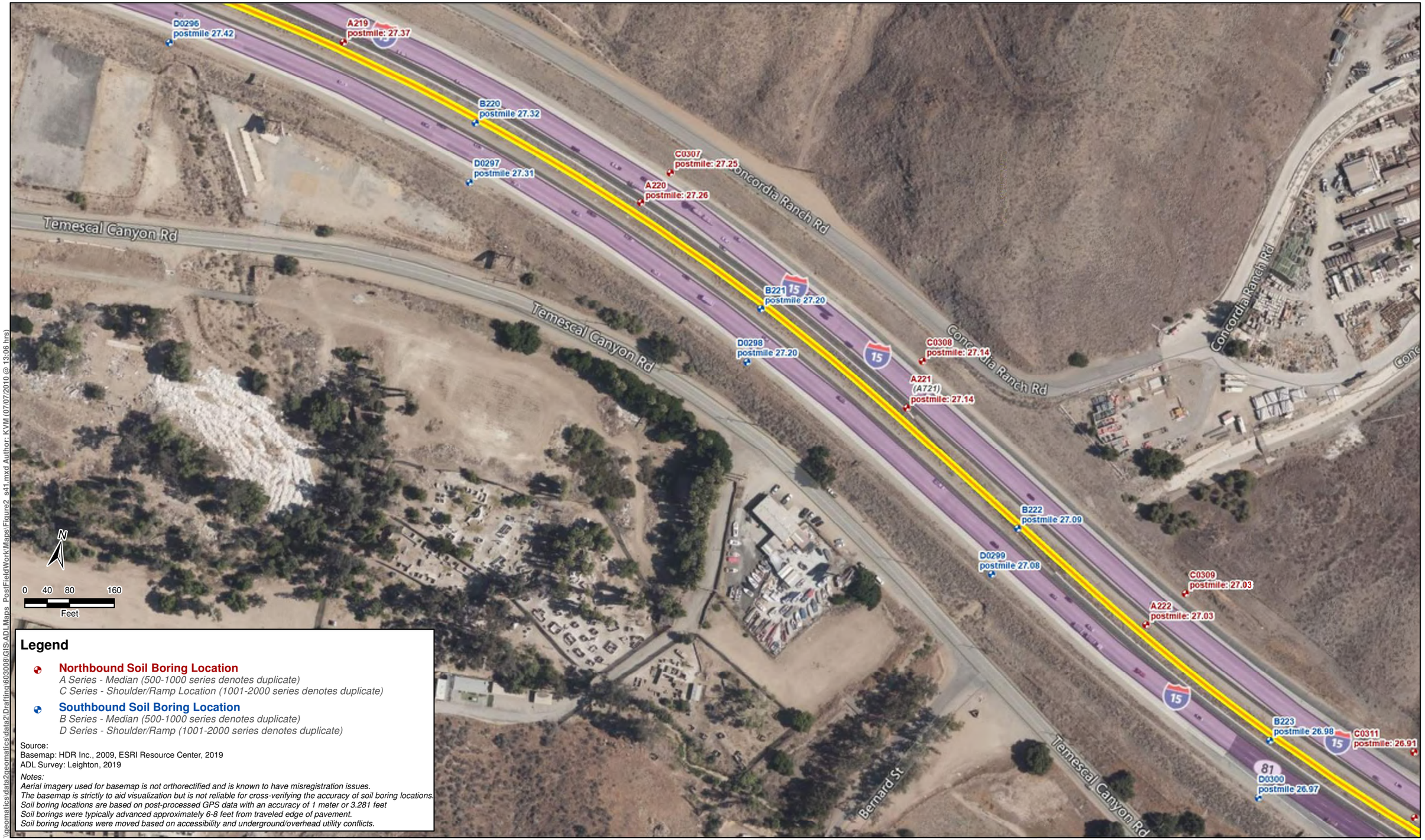
Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

\\geomatics\data2\geomatics\data2\Drafting\603008\GIS\ADL\Maps_PostFieldWork\Maps\Figure2_s34.mxd Author: KVM (07/07/2010 @ 15:33 hrs)

Figure 2 (s15)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

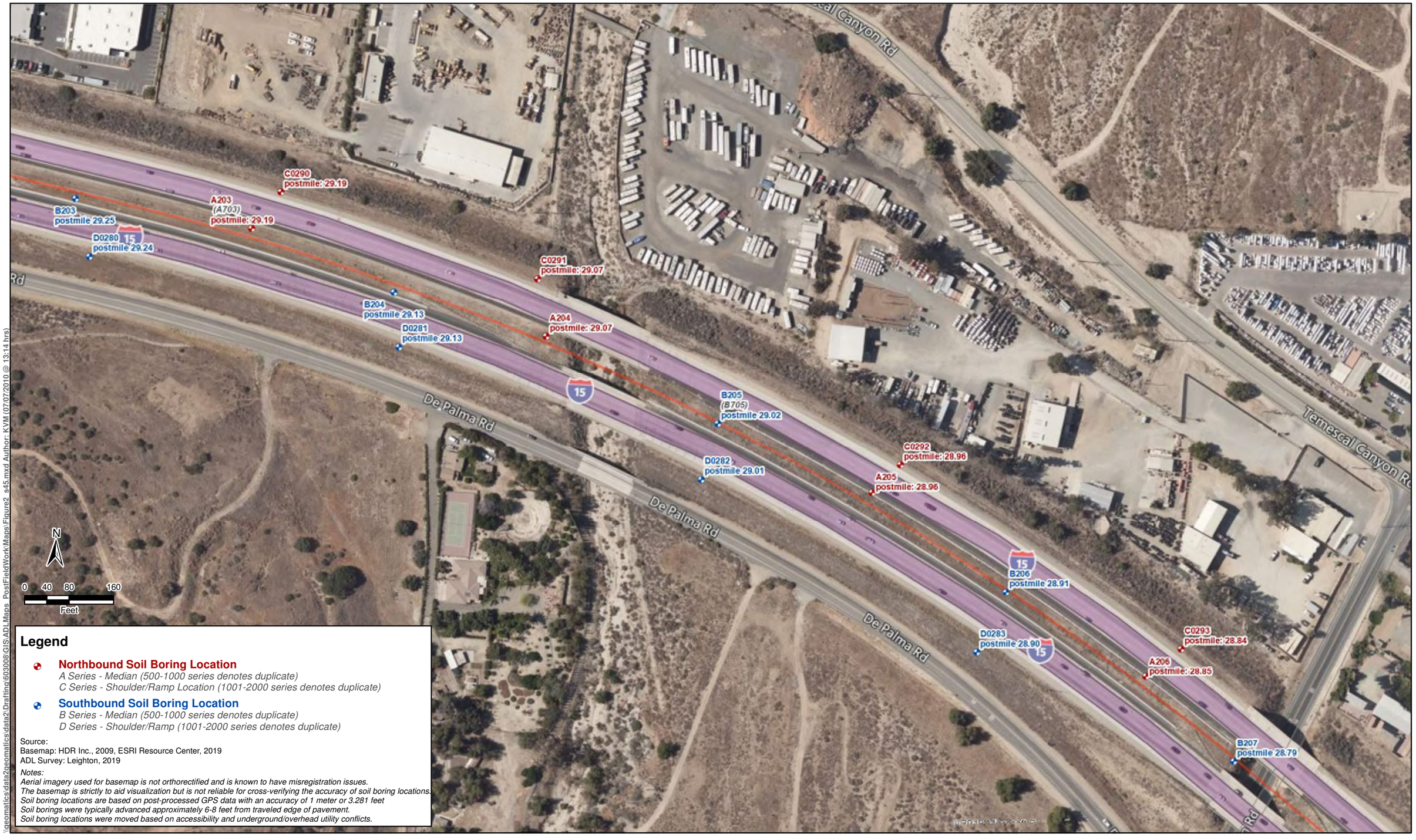
Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s16)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
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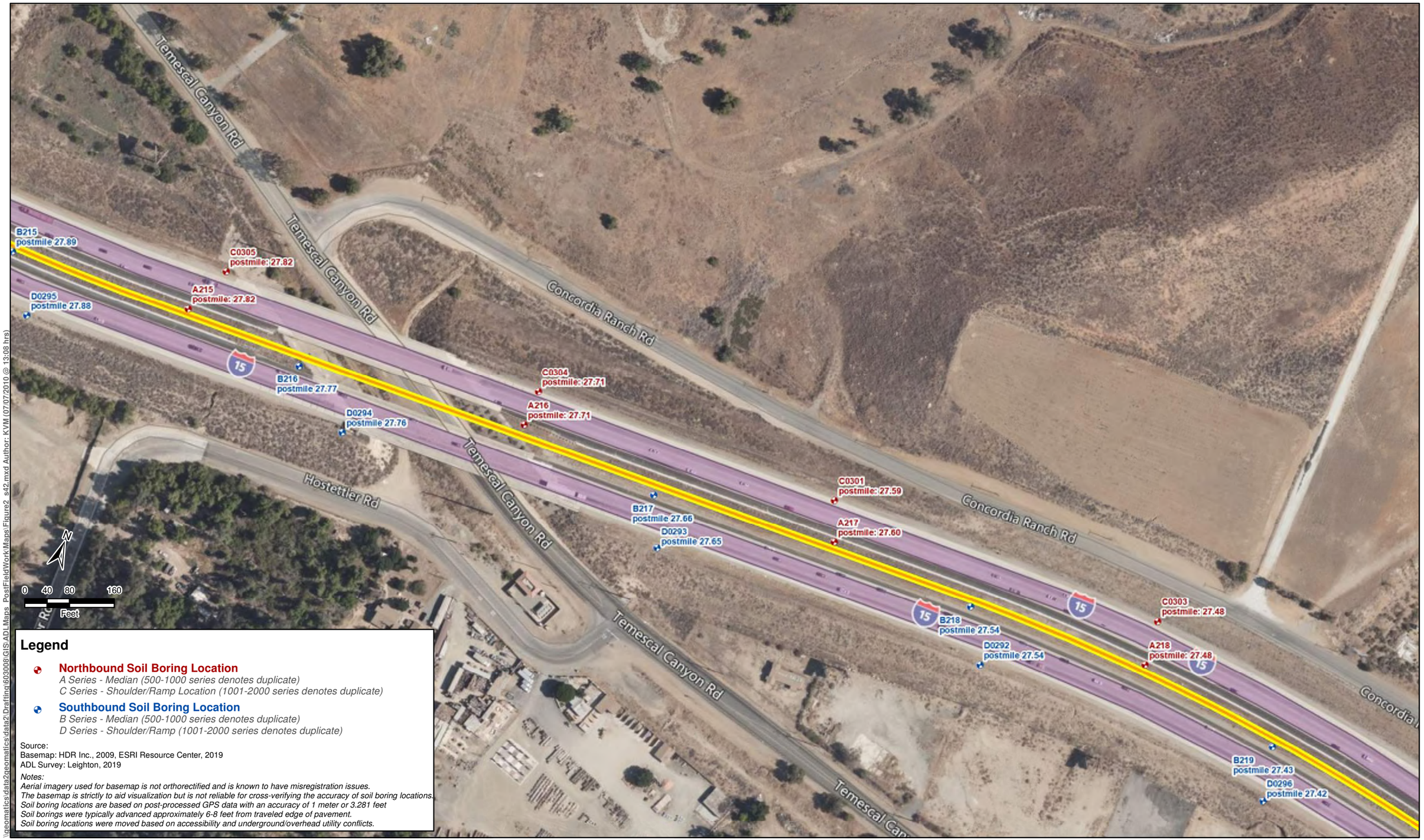
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

\\geomatics\data2\geomatics\data2\Drafting\603008\GIS\ADLMaps_PostFieldWork\Maps\Figure2_s45.mxd Author: KVM (07/07/2010 @ 13:14 hrs)

Figure 2 (s20)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

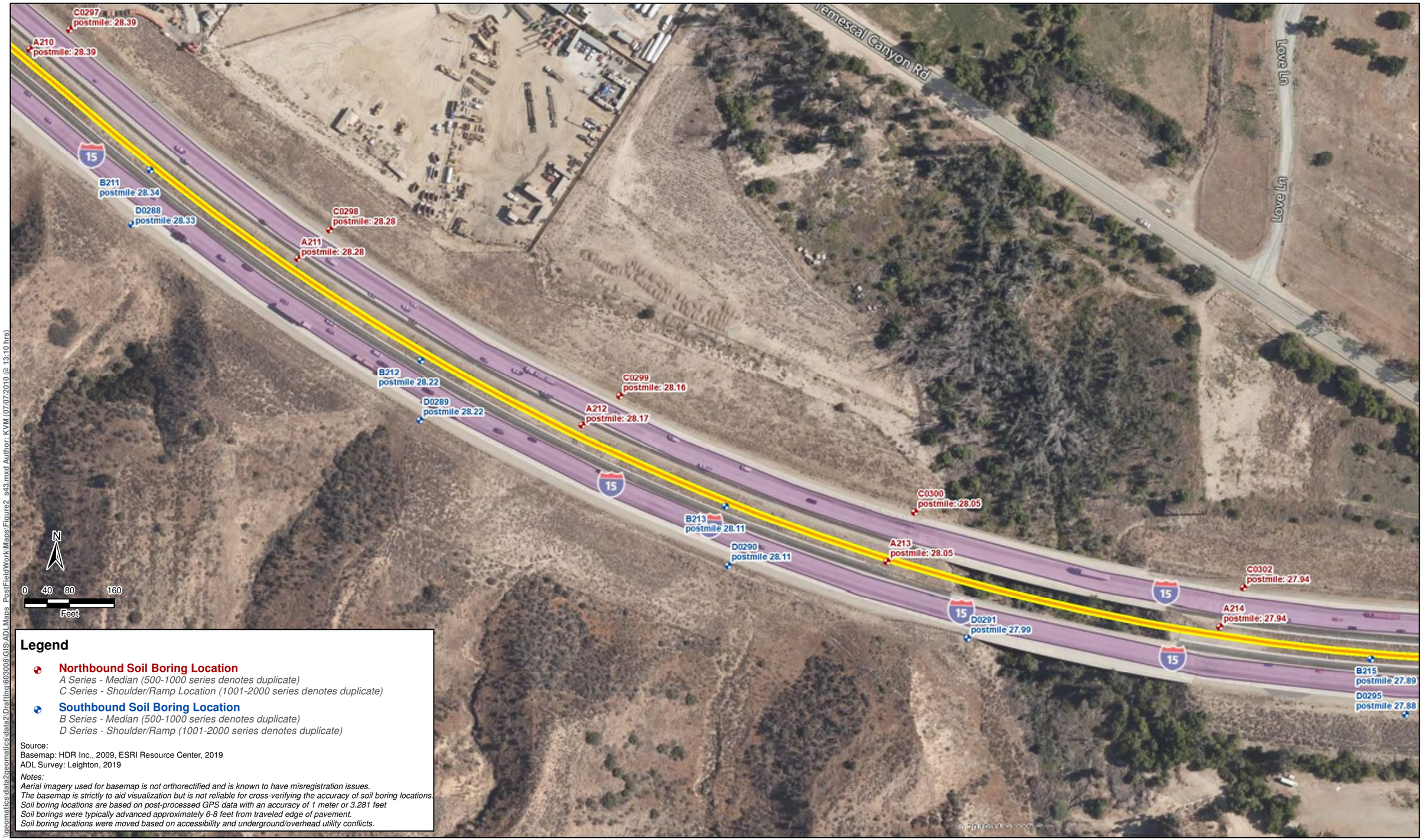
Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s17)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

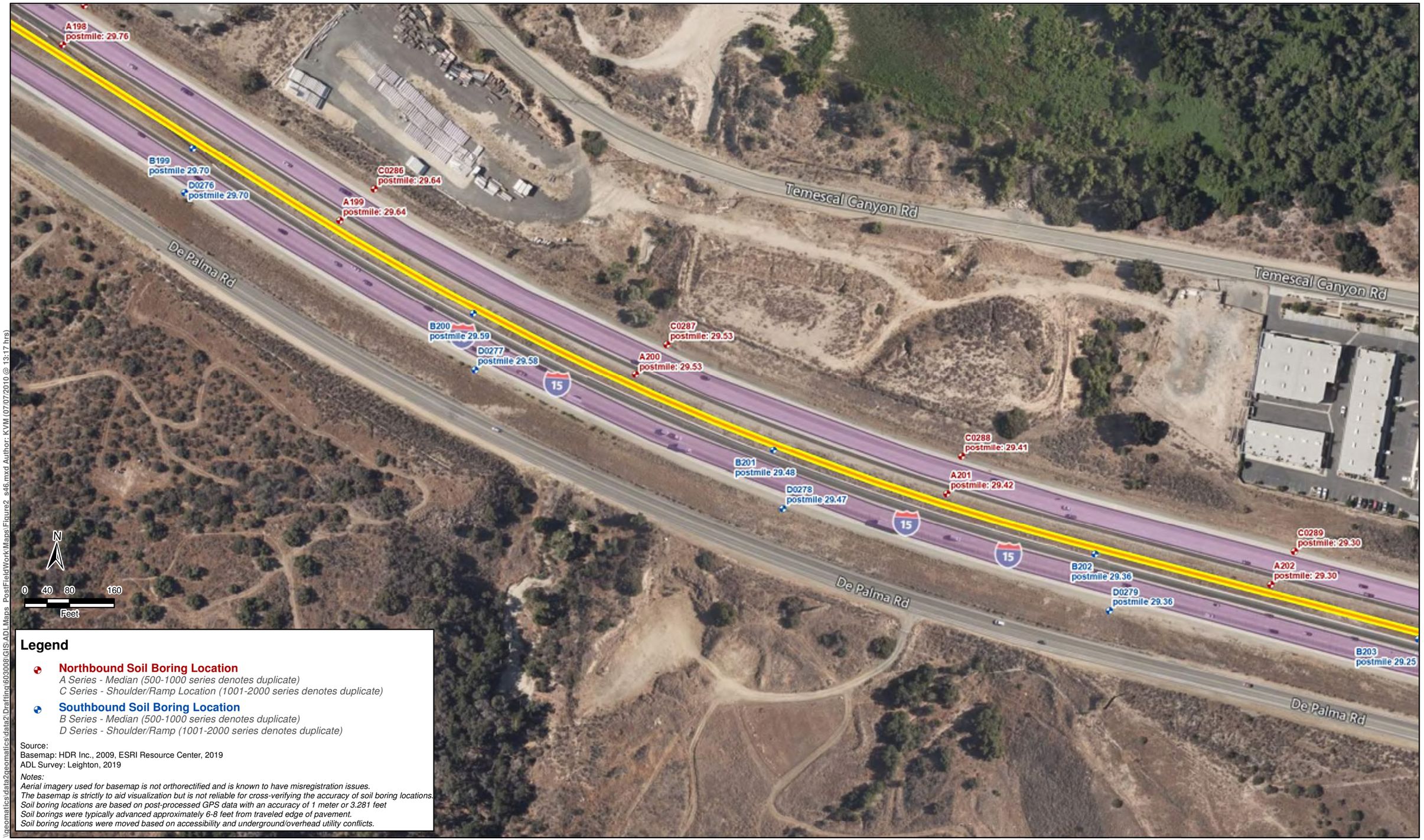
Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

\\geomatics\data2\geomatics\data2\Drafting\603008\GIS\ADL Maps_PostFieldWork\Maps\Figure2_s43.mxd Author: KVM (07/07/2010 @ 13:10 hrs)

Figure 2 (s18)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
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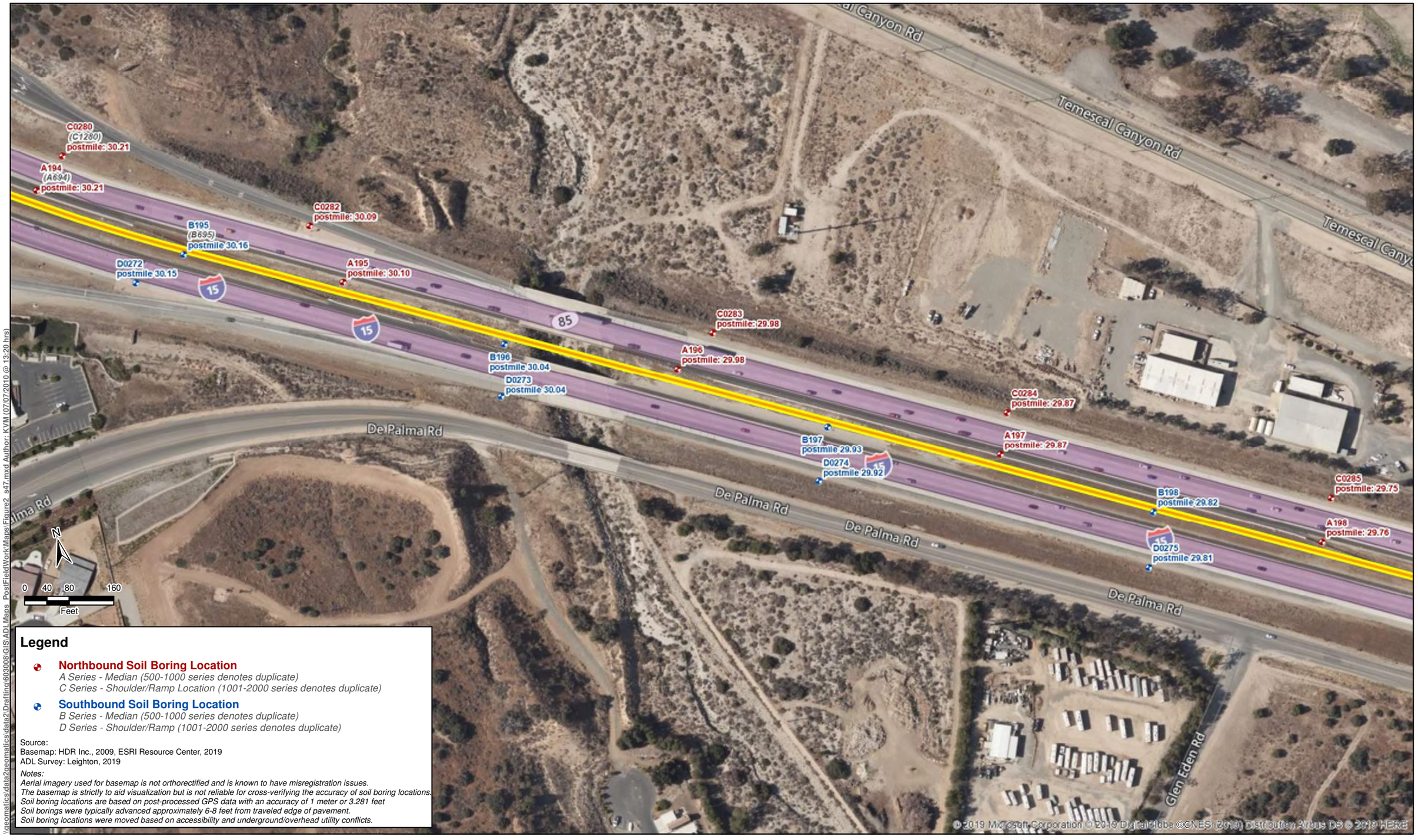
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s21)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
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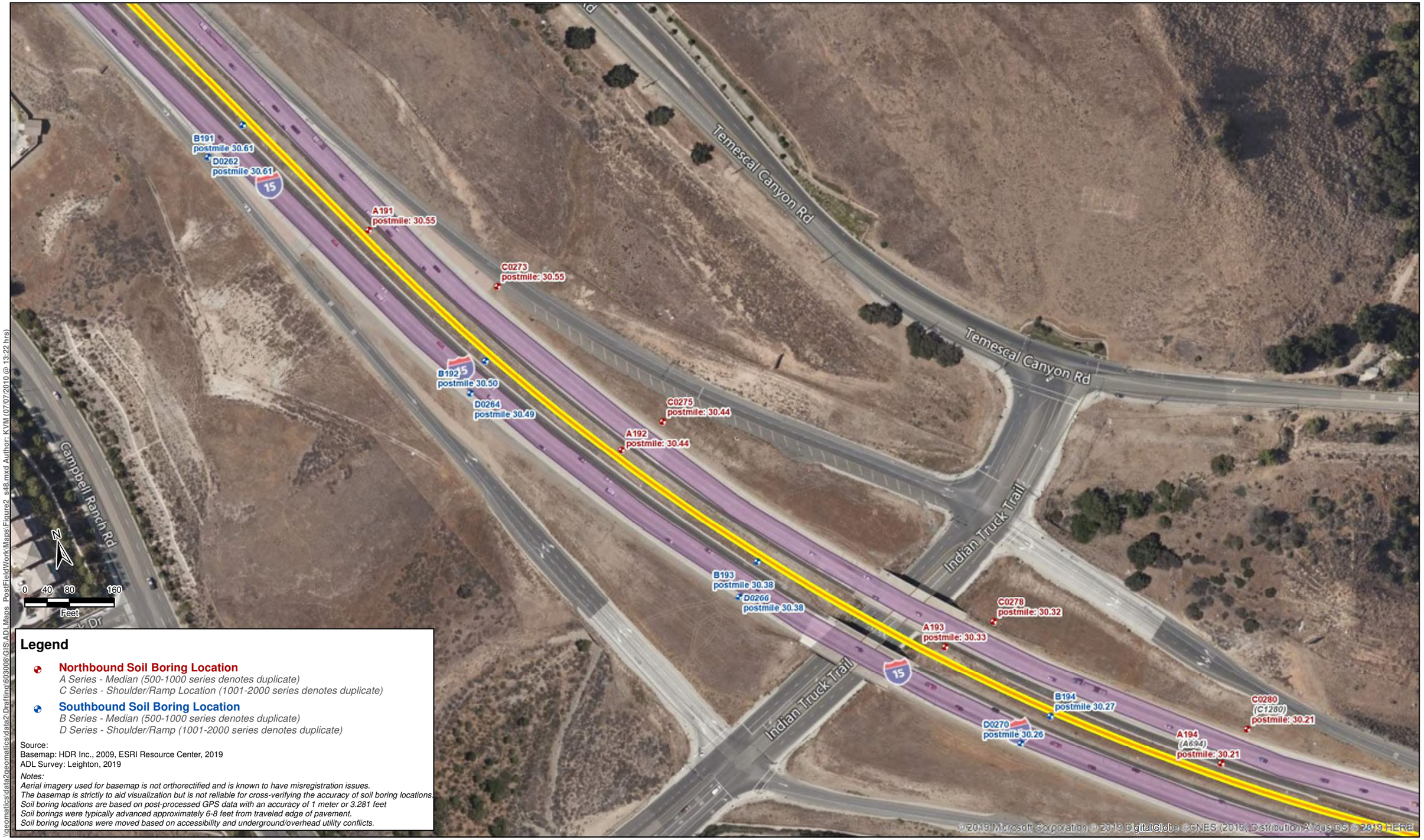
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s22)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
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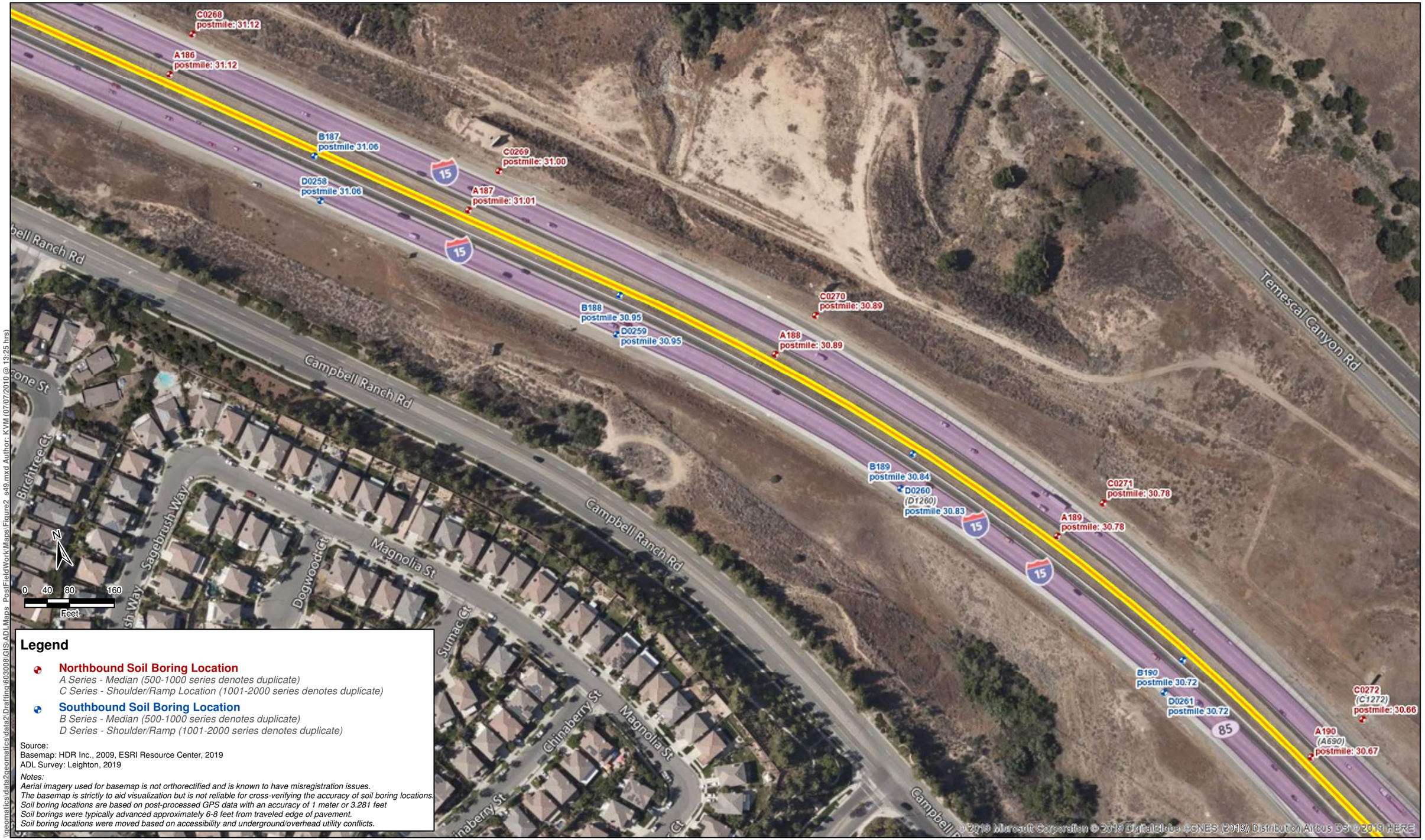
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s23)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
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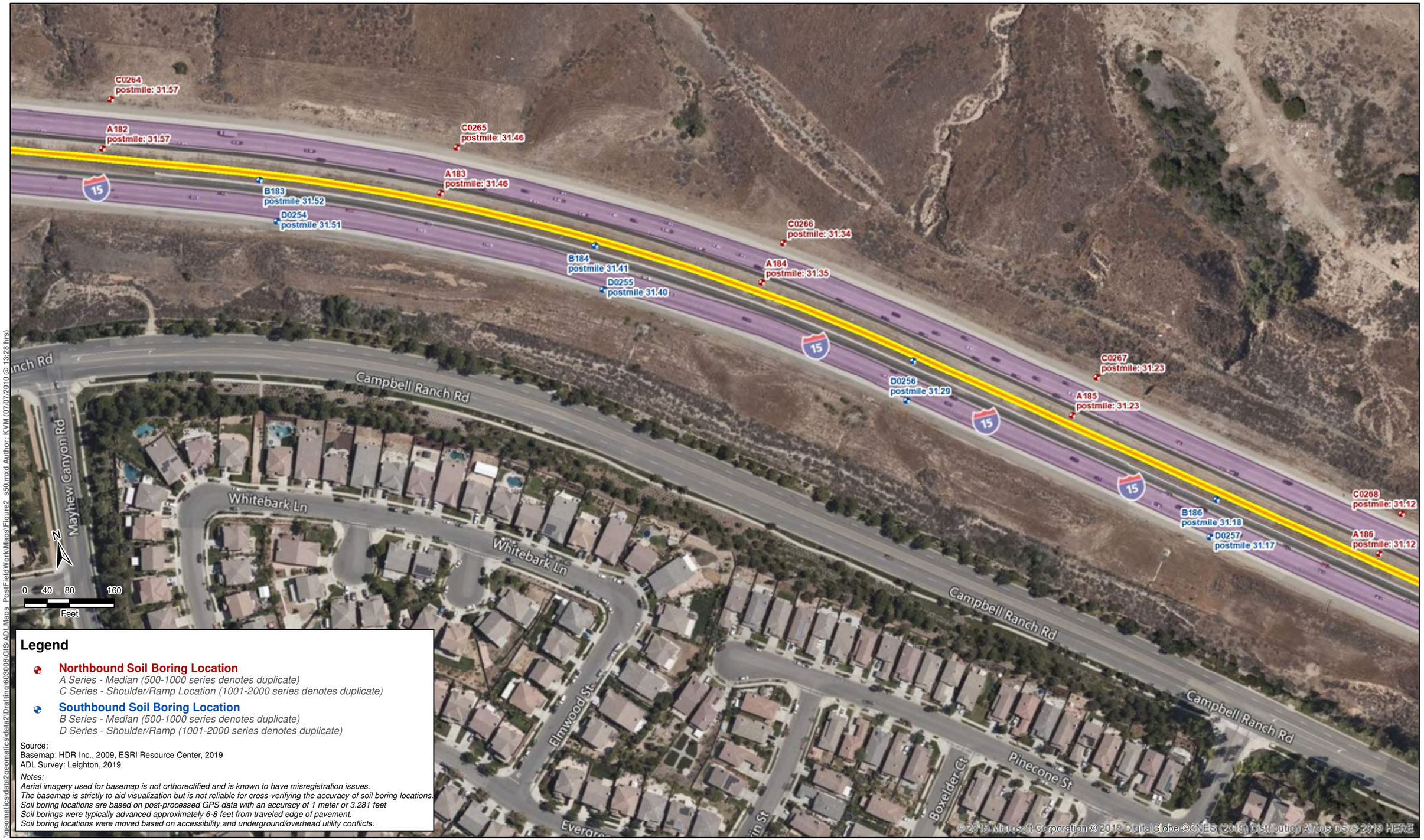
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s24)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
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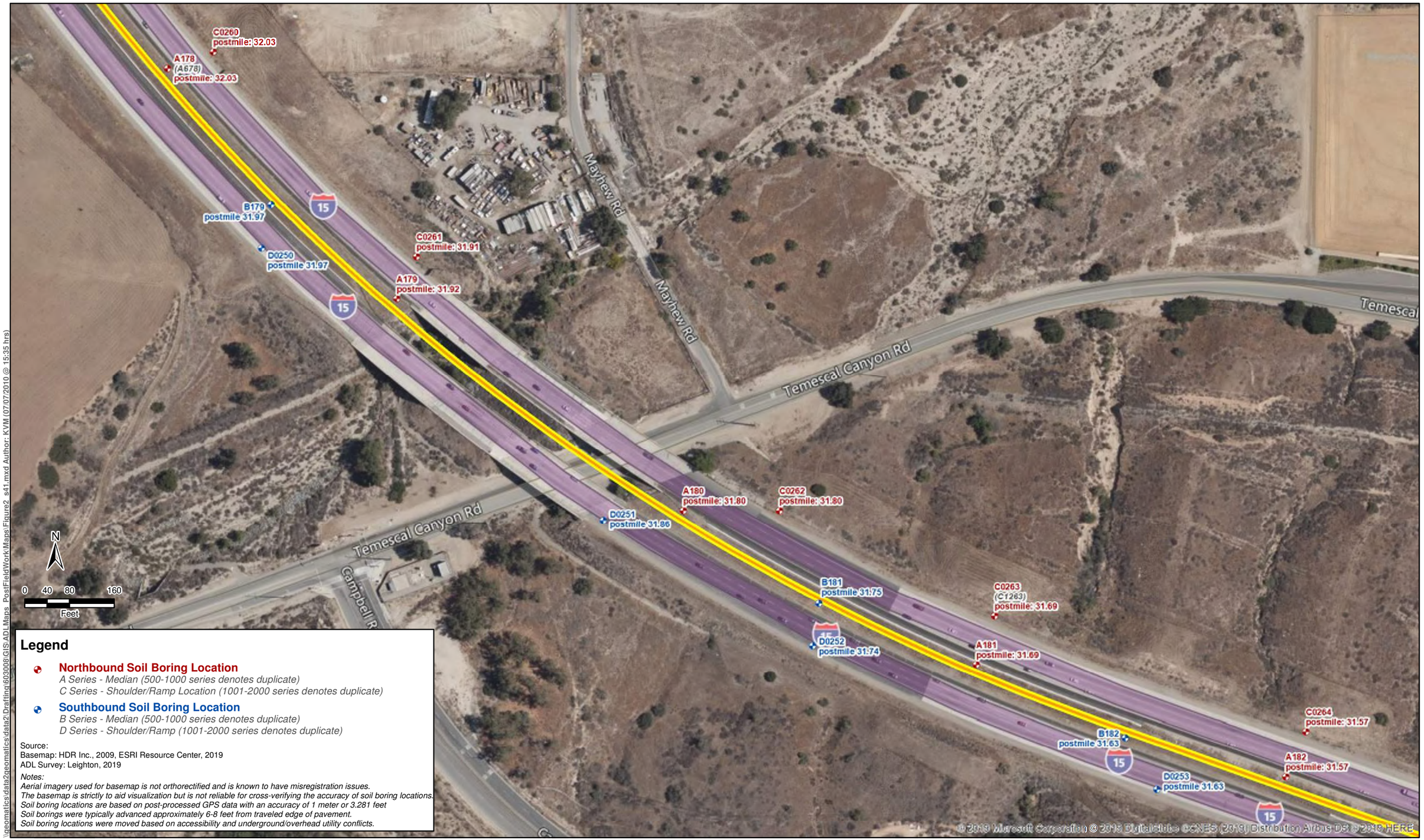
Figure 2 (s25)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
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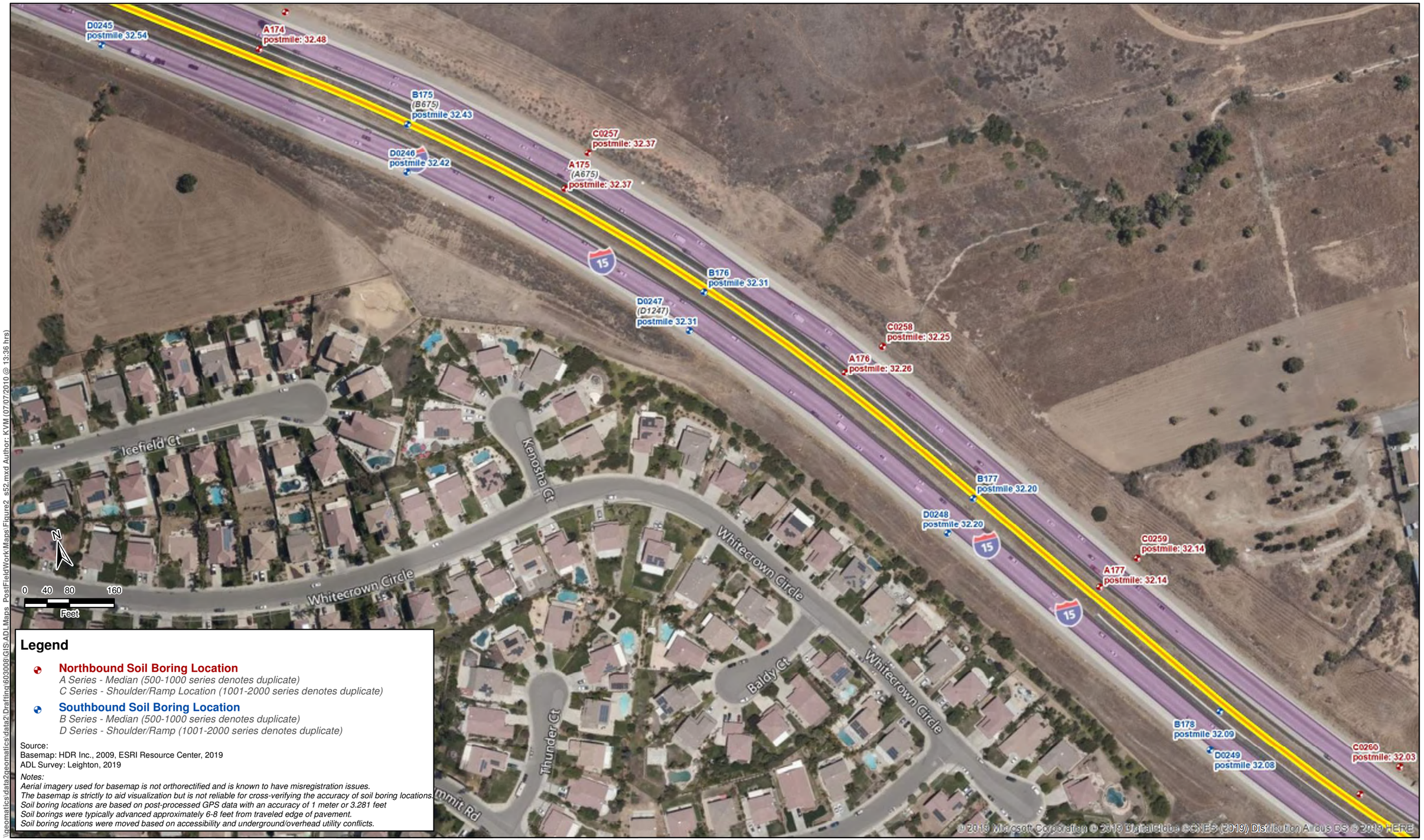
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s26)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
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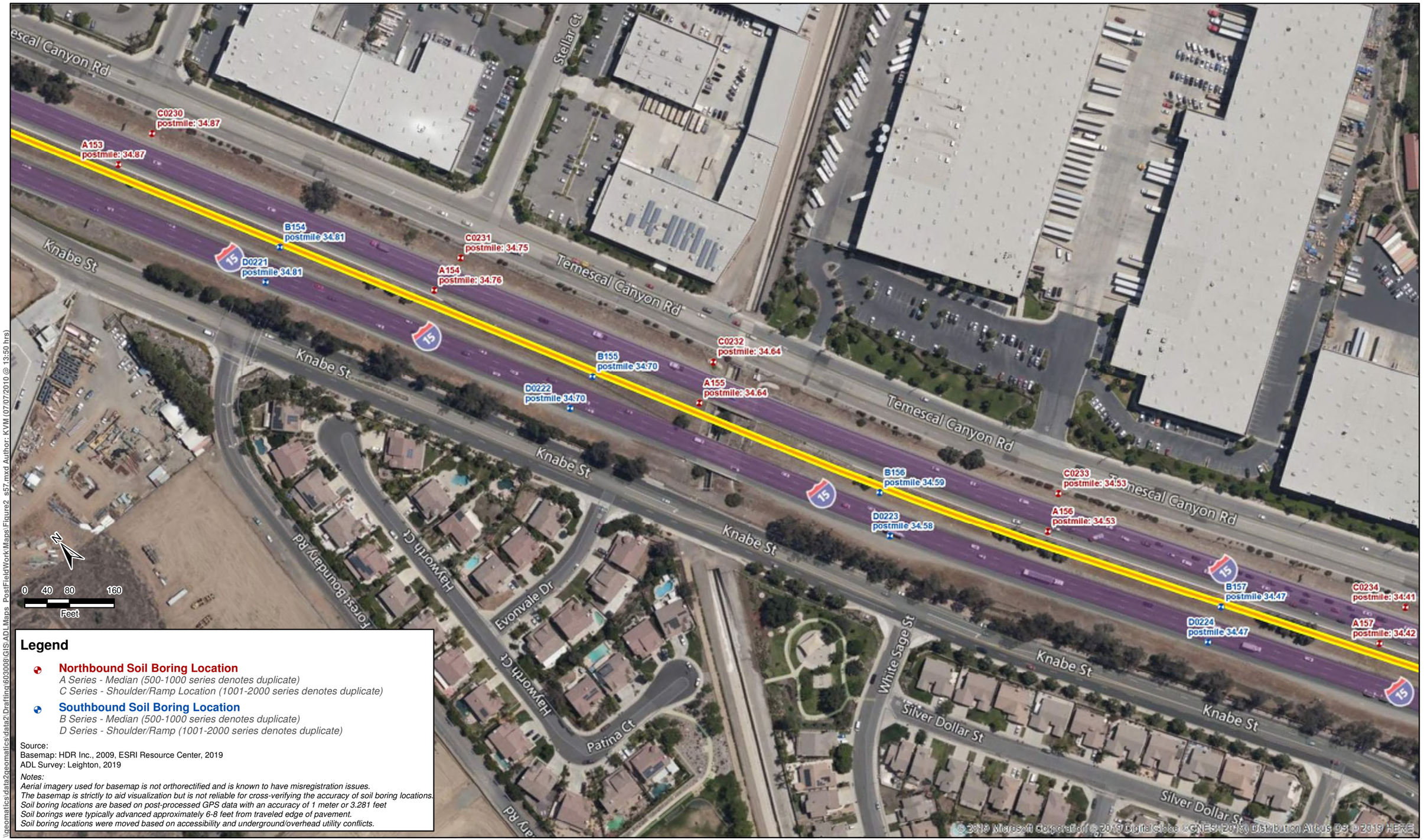
Figure 2 (s27)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
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Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
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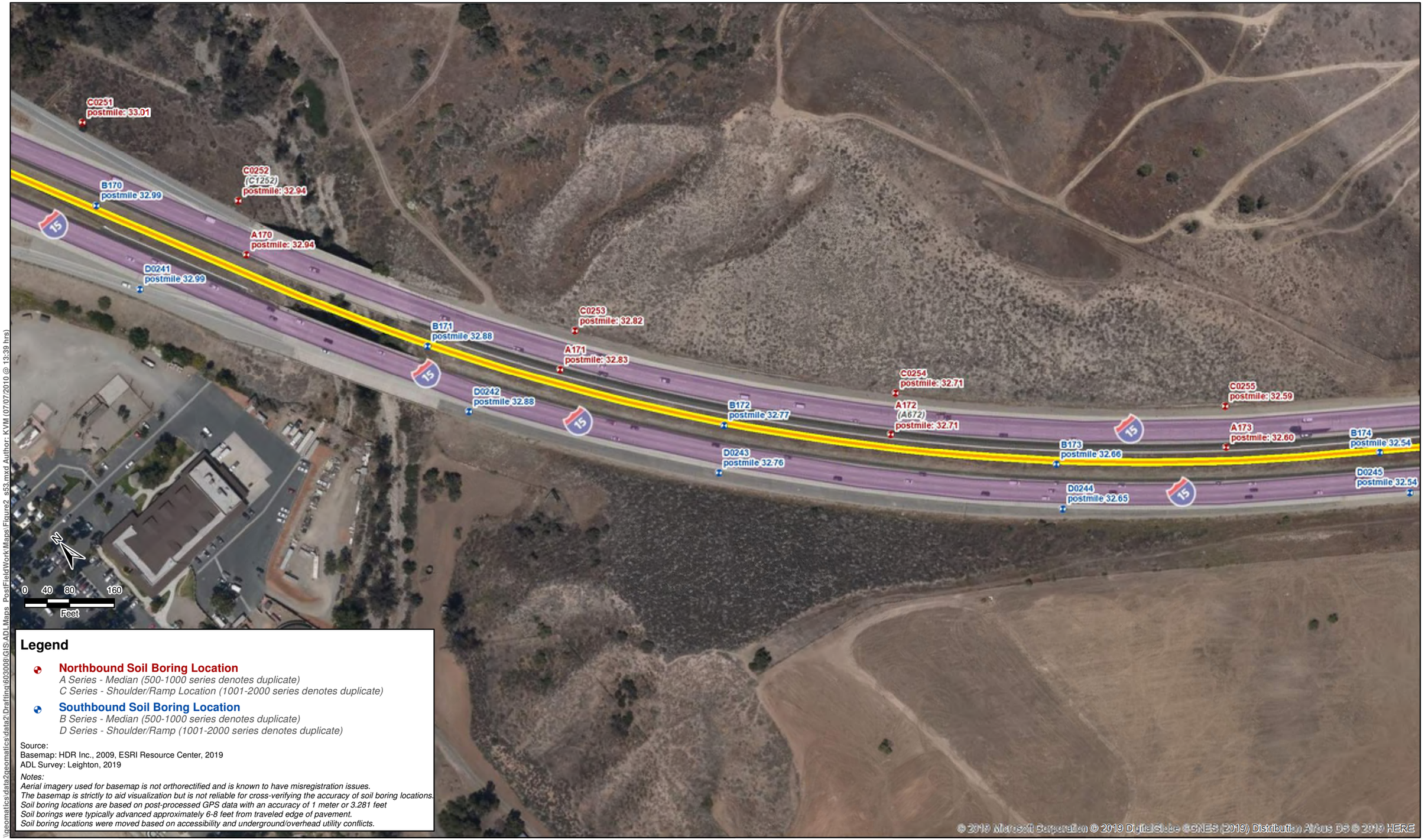
\\geomatics\data2\geomatics\data2\Drafting\603006\GIS\ADL\Maps_PostFieldWork\Maps\Figure2_s57.mxd Author: KVM (07/07/2010 @ 13:50 hrs)

Figure 2 (s32)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
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Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s28)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California

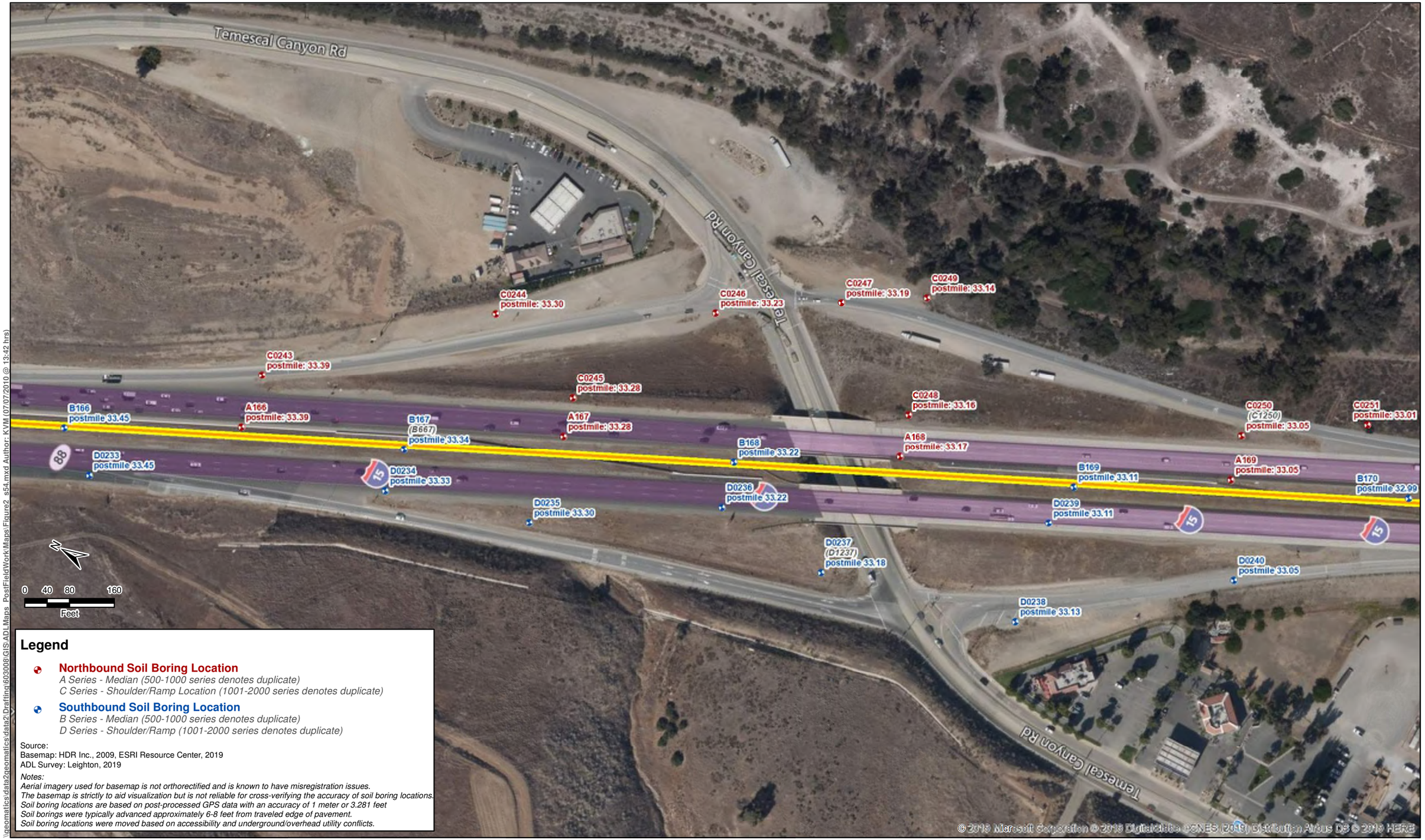
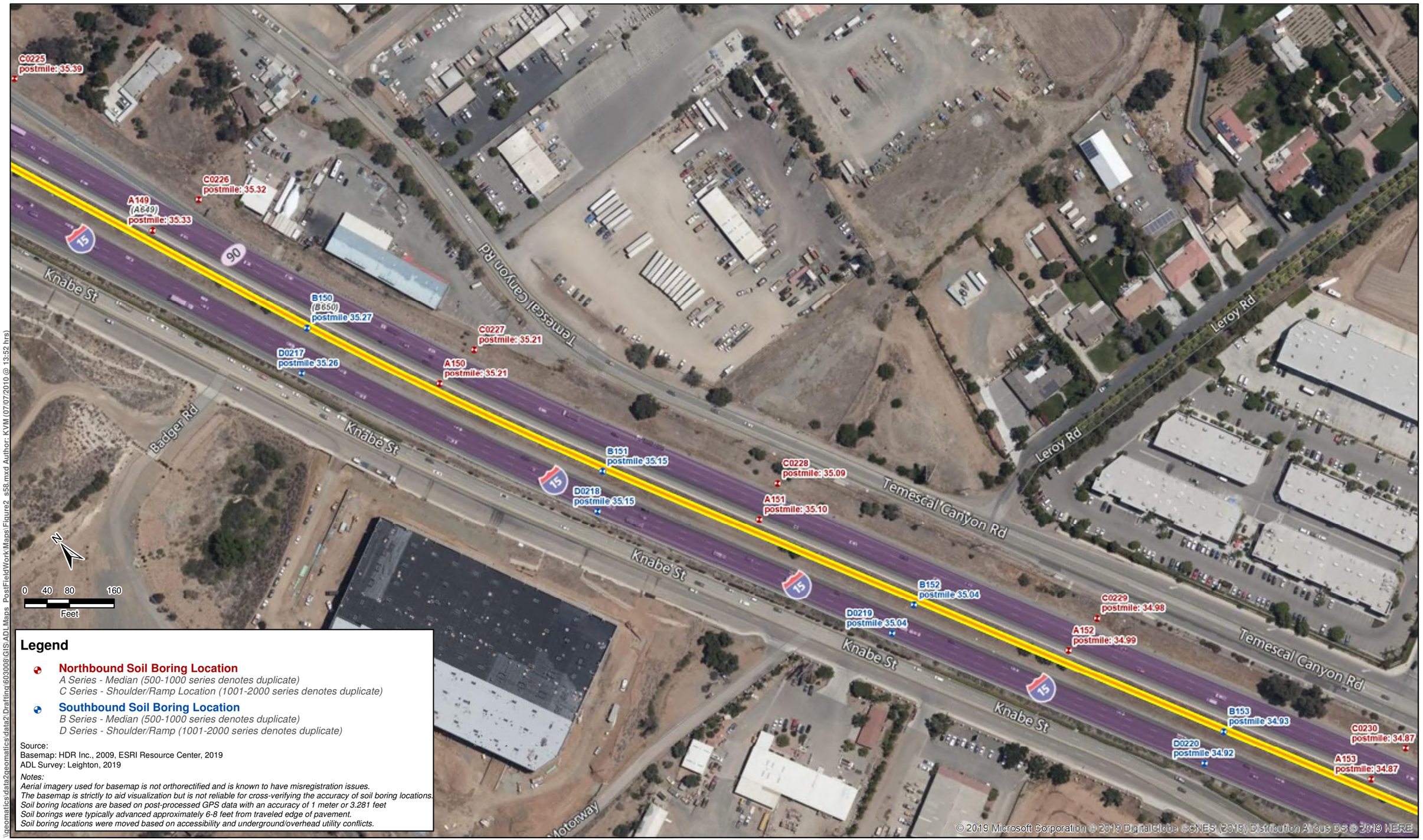


Figure 2 (s29)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
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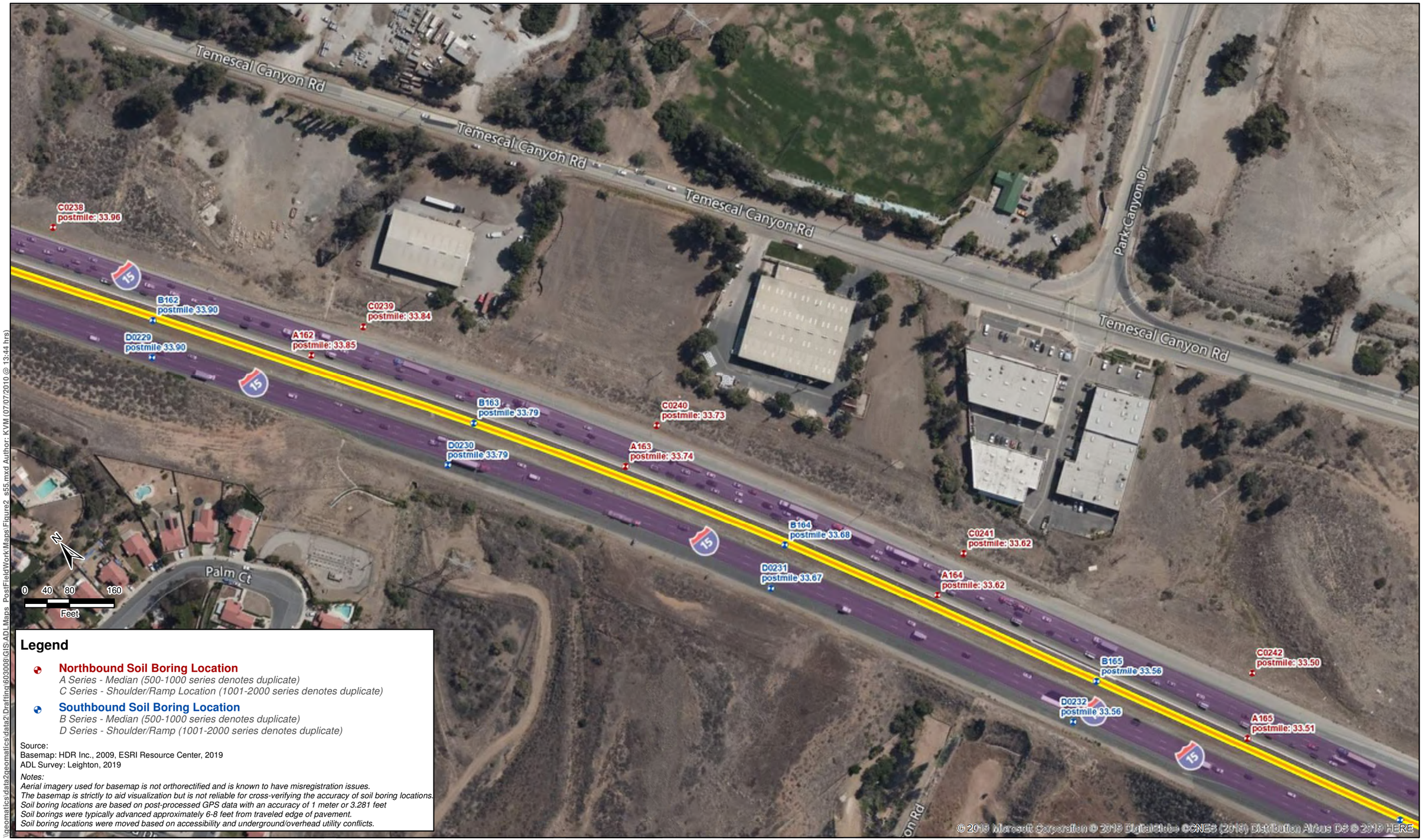
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s33)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
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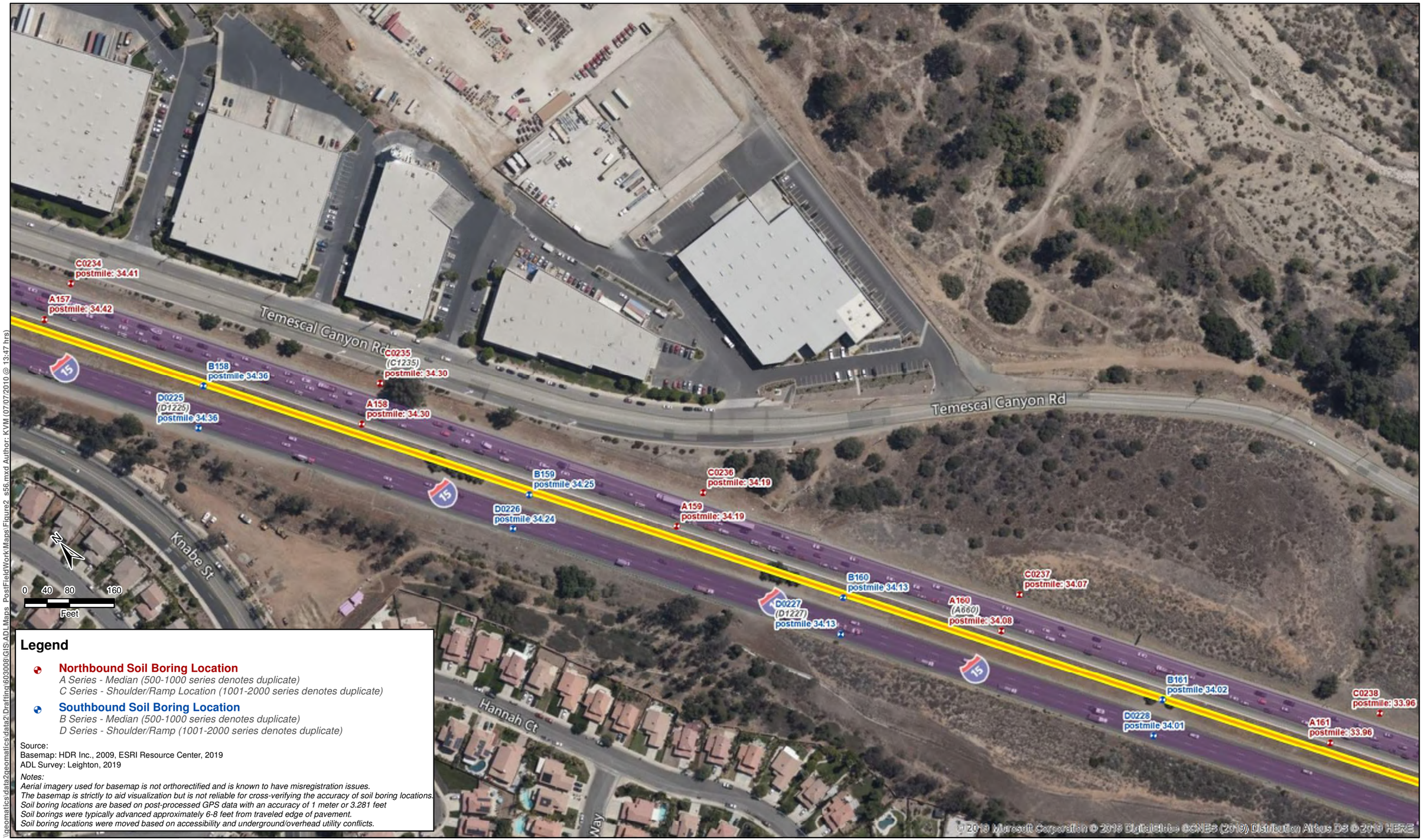
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s30)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
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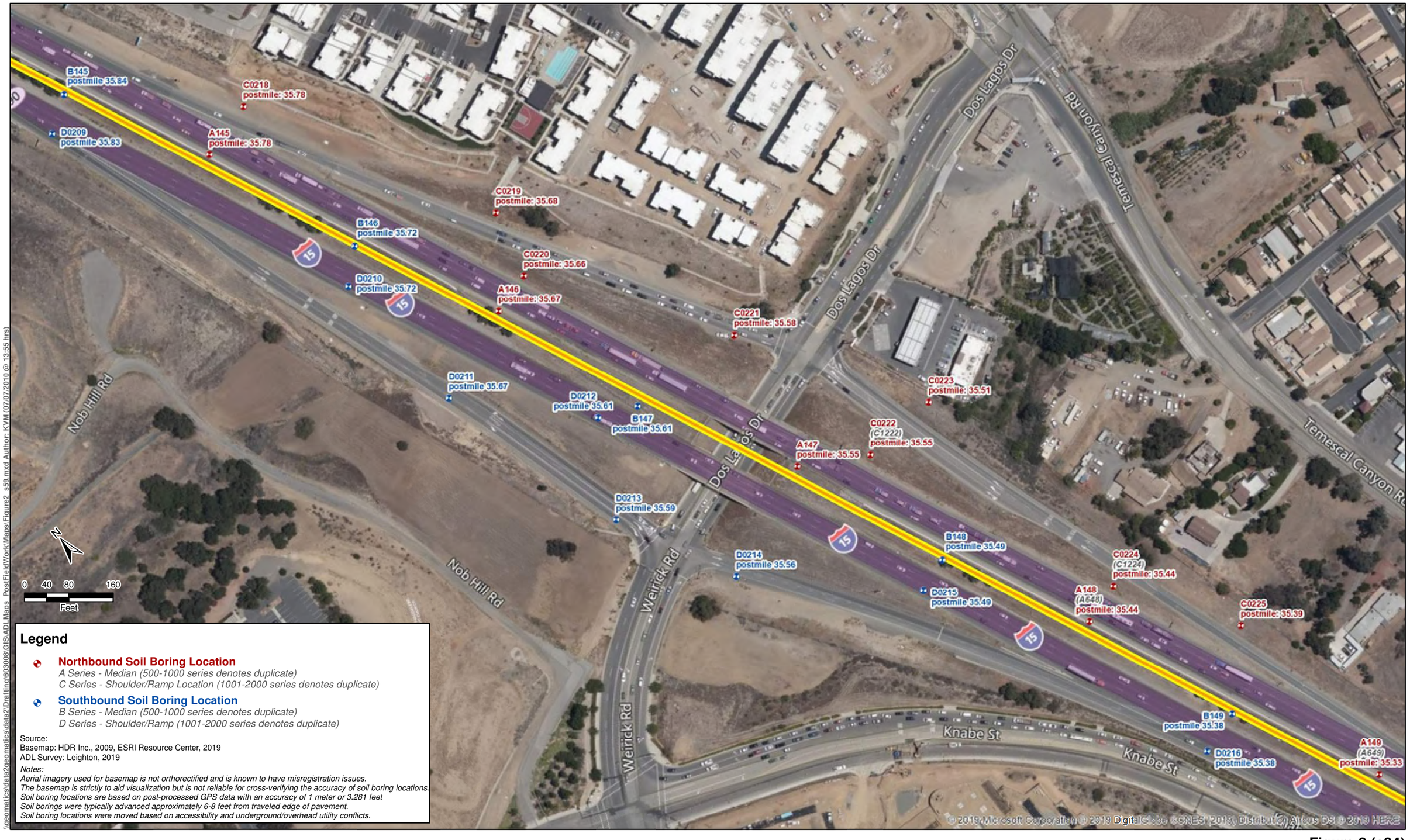
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s31)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

- **Northbound Soil Boring Location**
  - *A Series - Median (500-1000 series denotes duplicate)*
  - *C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)*
- **Southbound Soil Boring Location**
  - *B Series - Median (500-1000 series denotes duplicate)*
  - *D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)*

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
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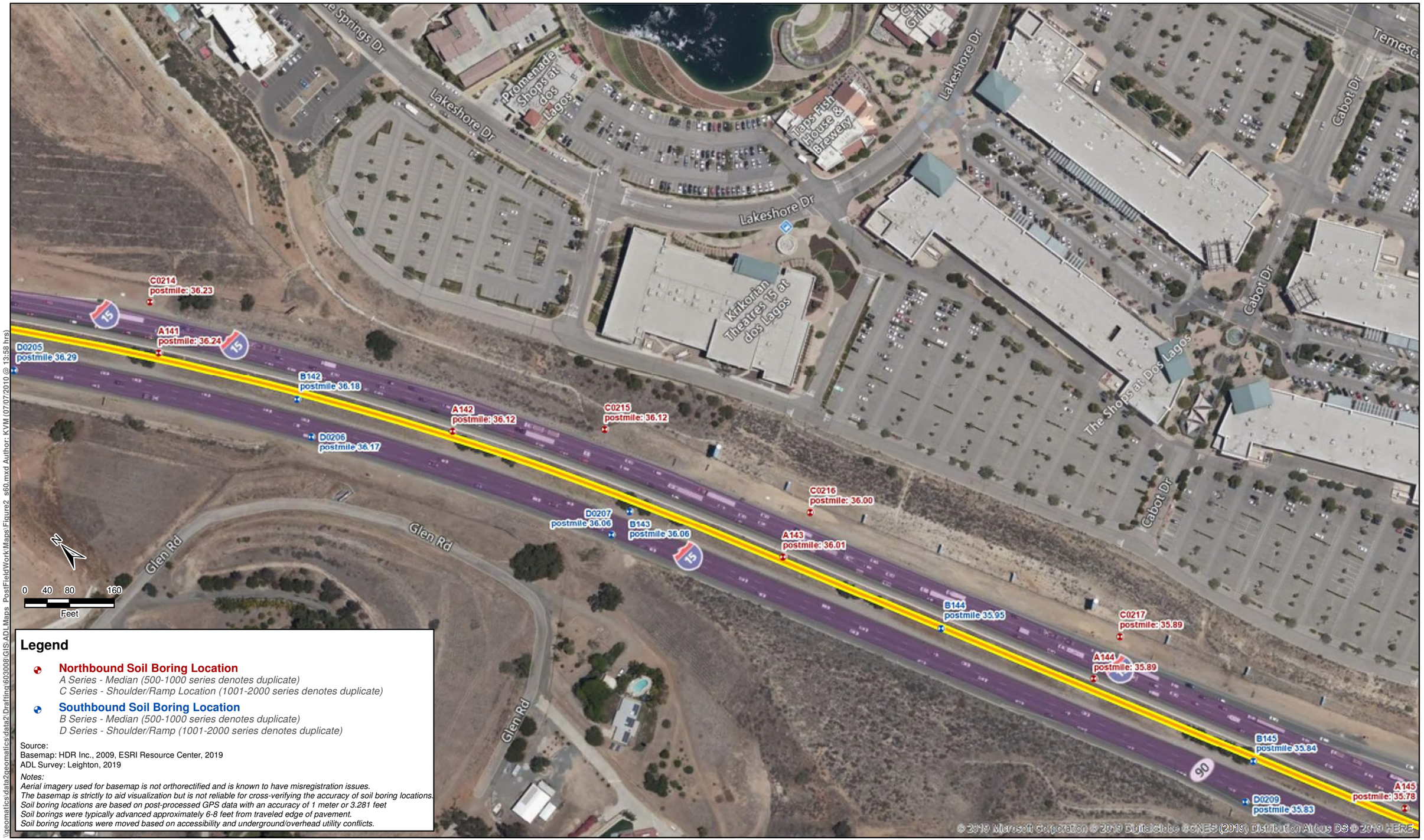
Figure 2 (s34)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
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\\geomatics\data2\geomatics\data2\Drafting\603008\GIS\ADL Maps_PostFieldWork\Maps\Figure2_s60.mxd Author: KVM (07/07/2010 @ 13:58 hrs)

Figure 2 (s35)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California

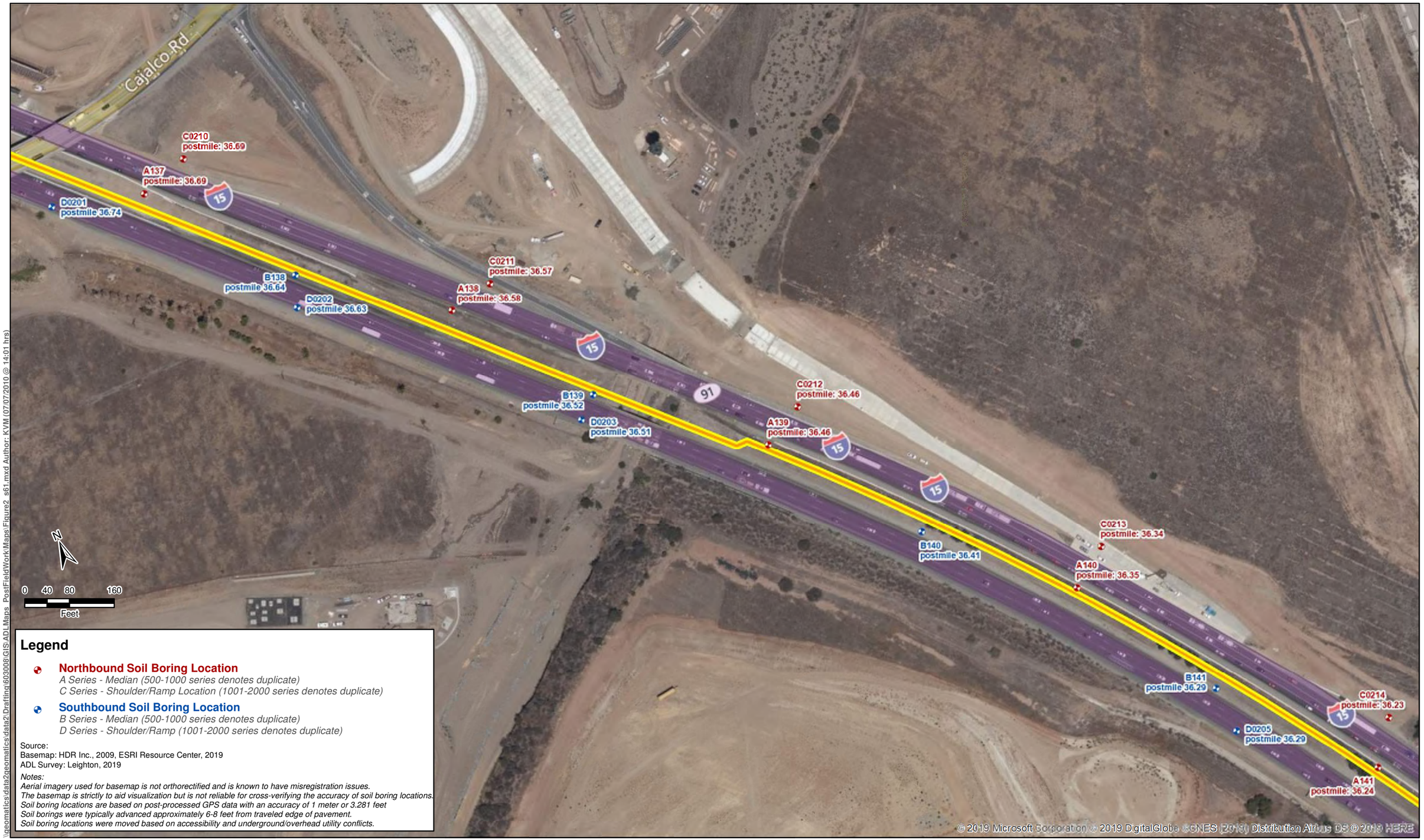
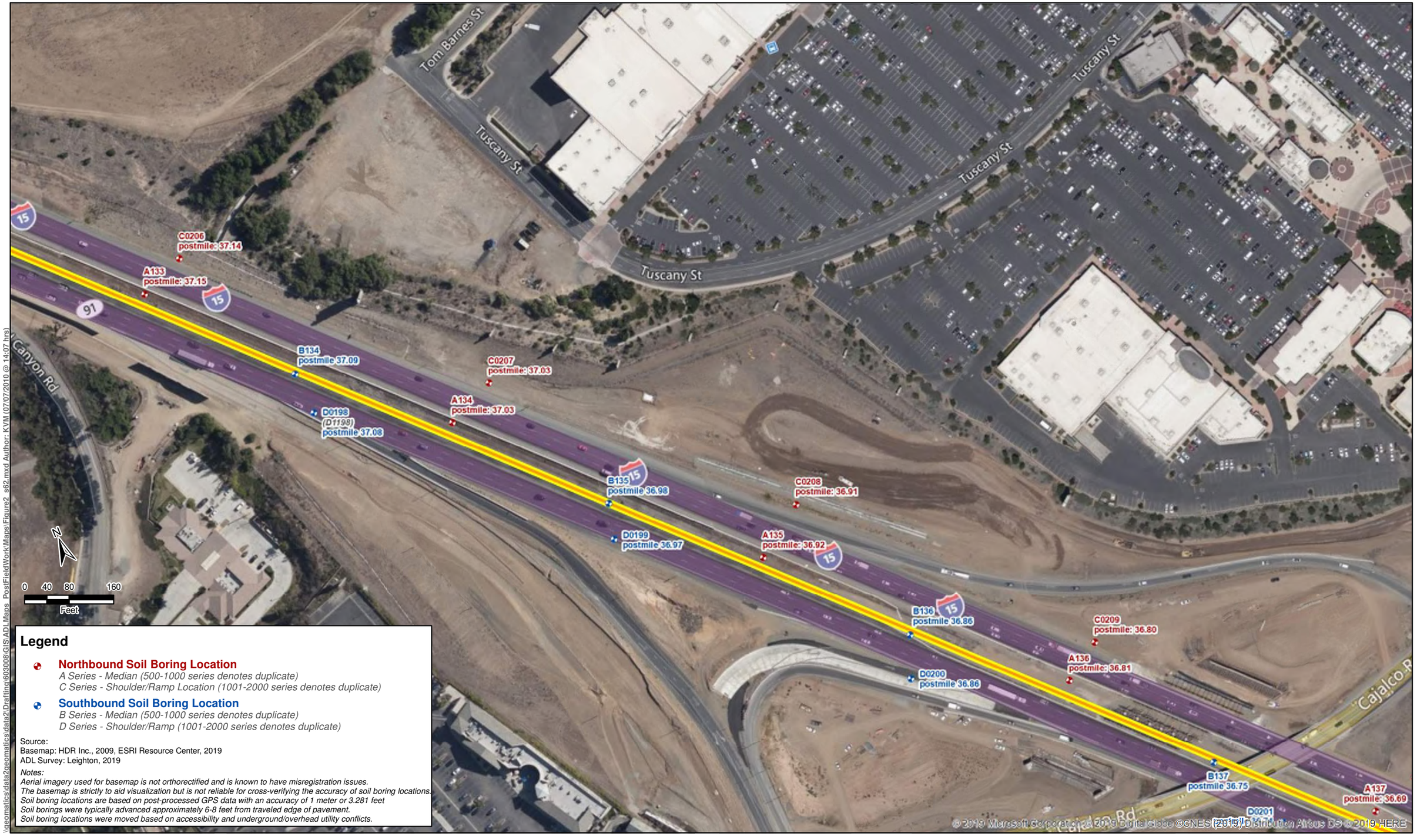


Figure 2 (s36)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

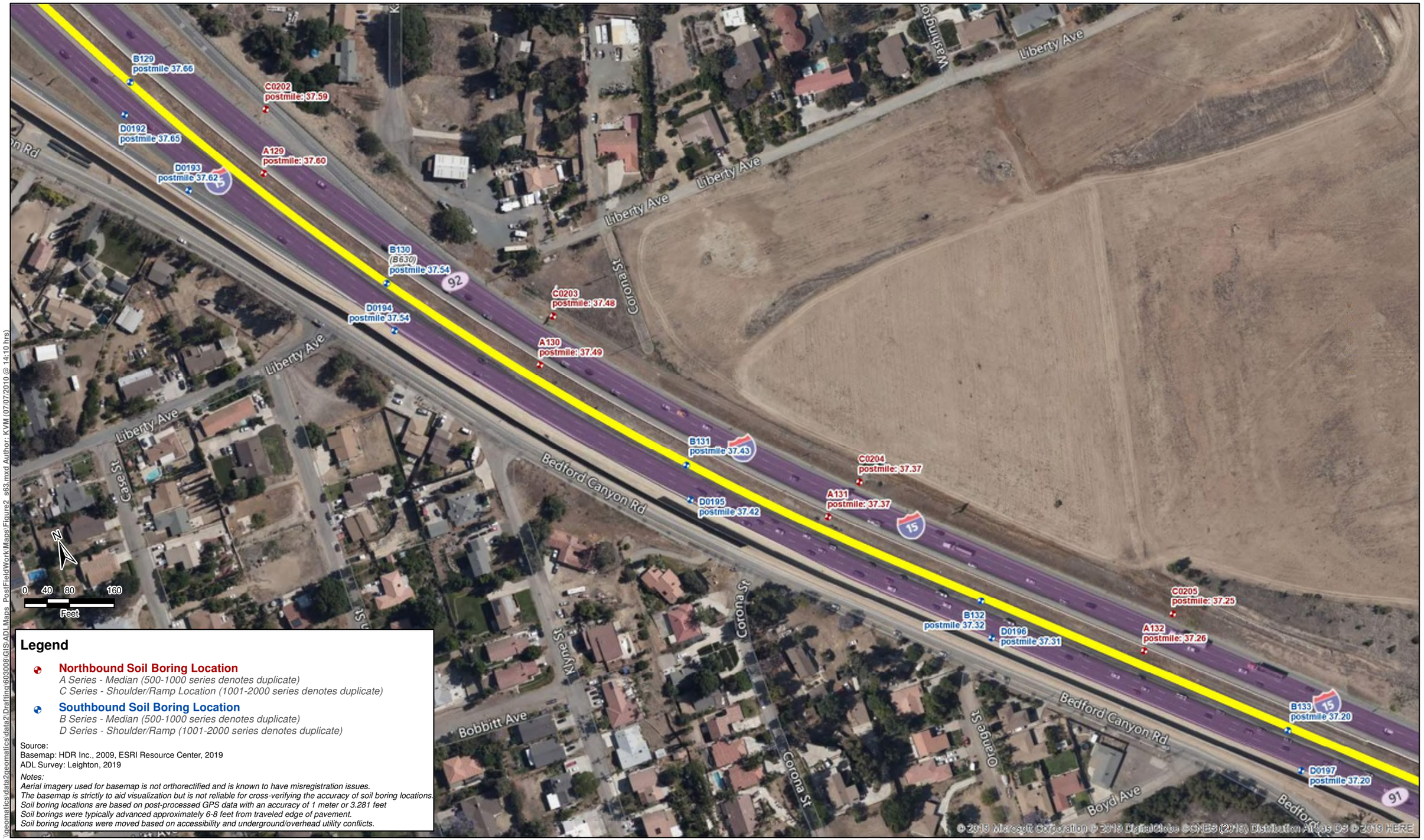
Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s37)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

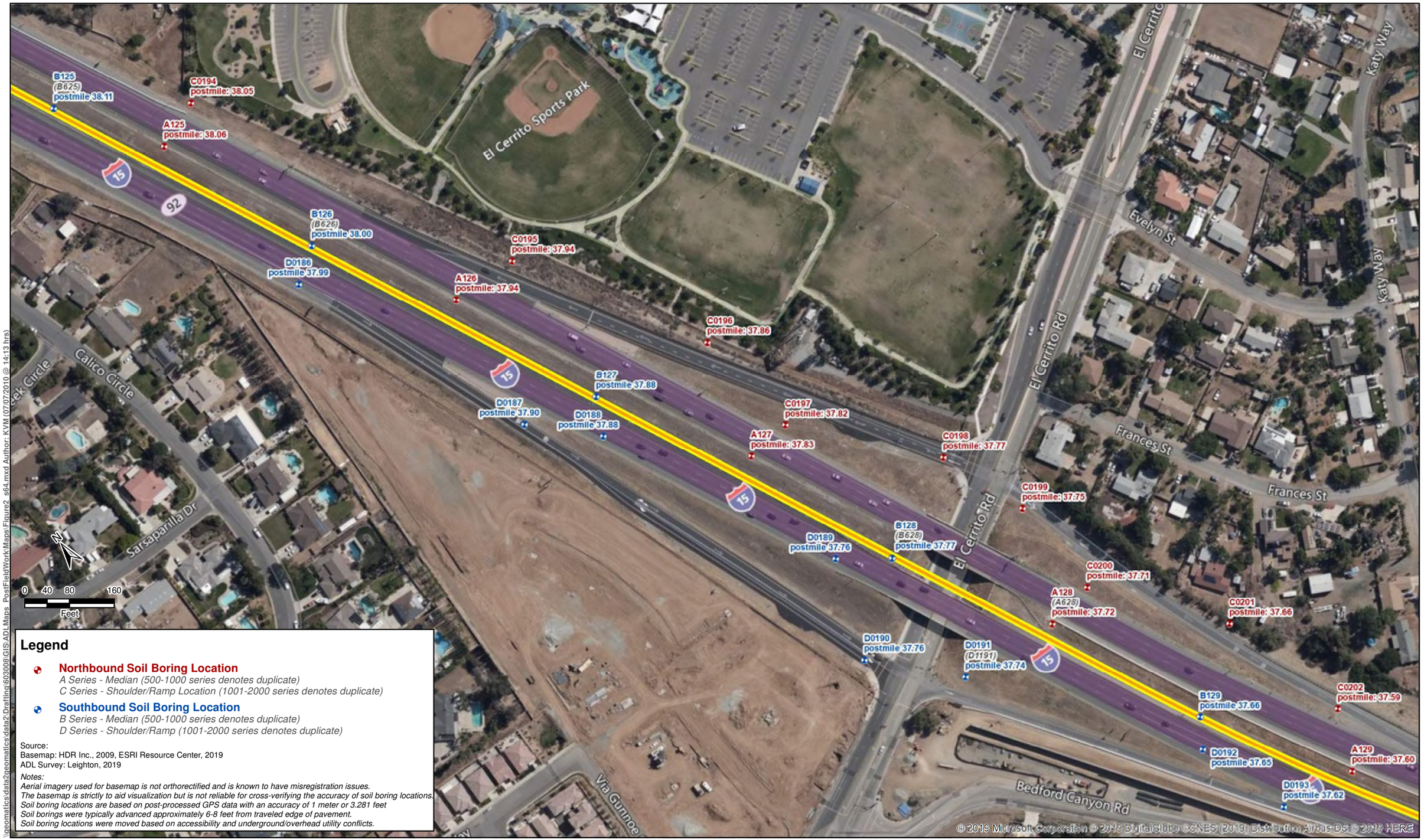
Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s38)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

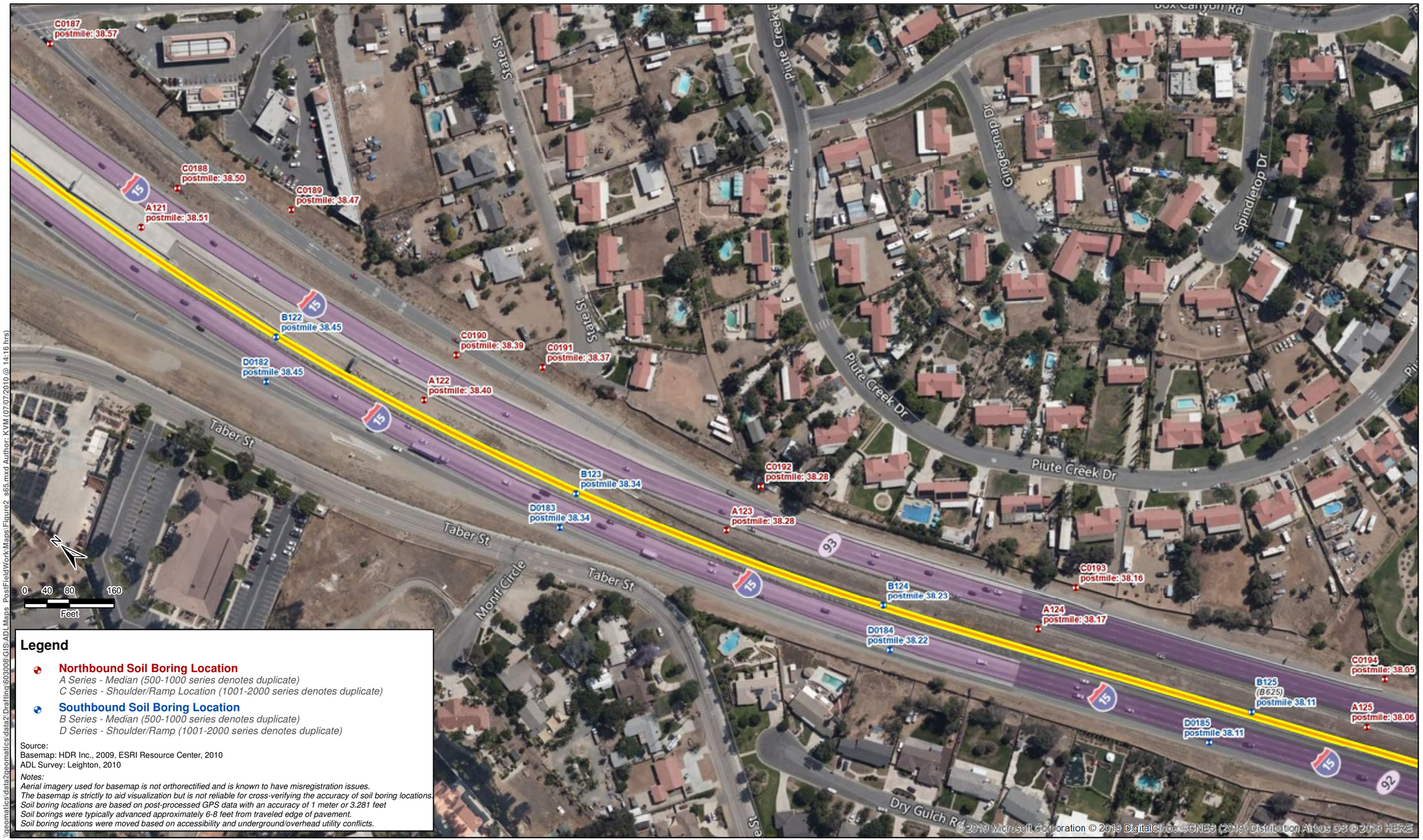
Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2019
ADL Survey: Leighton, 2019

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s39)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

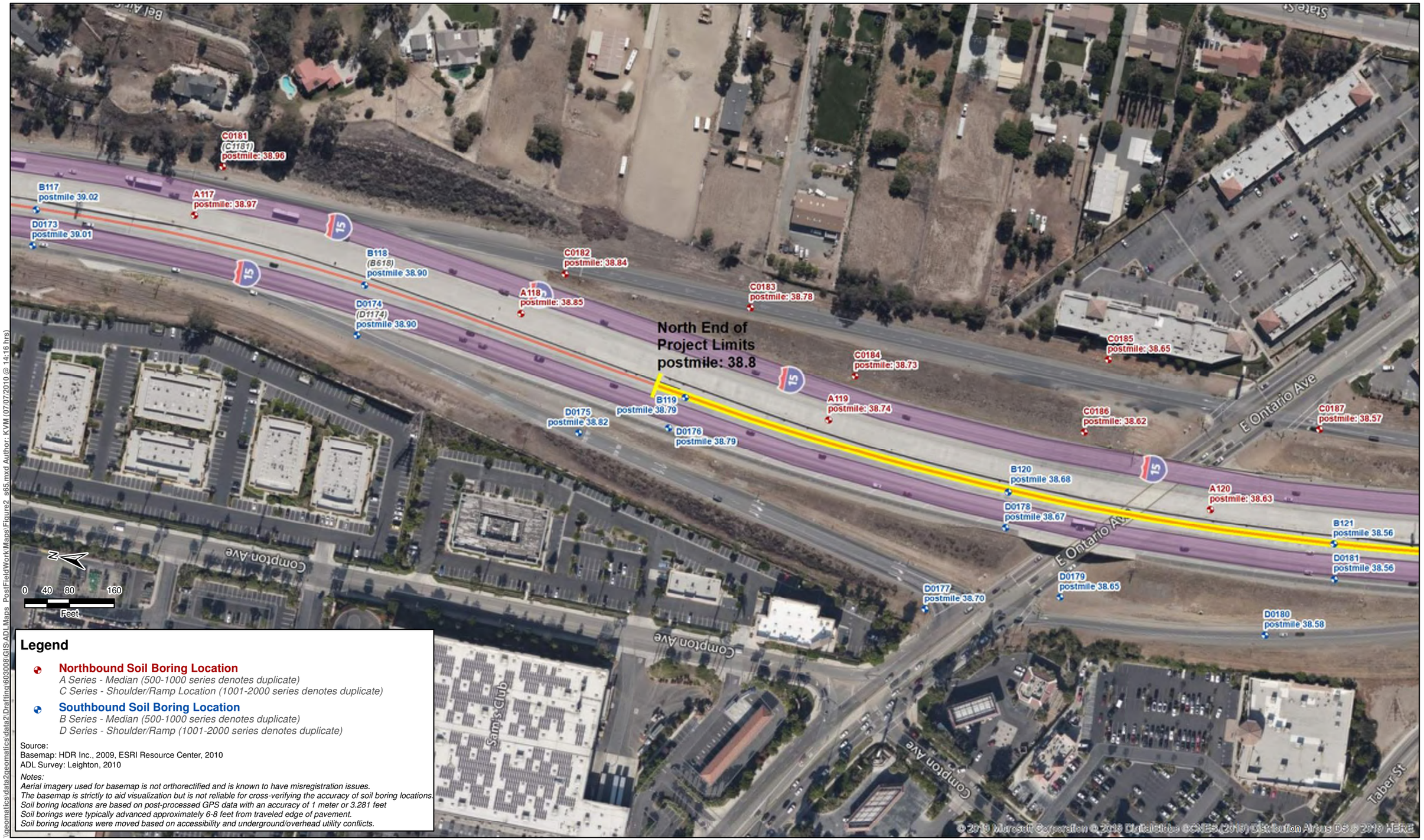
Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2010
ADL Survey: Leighton, 2010

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

\\geomatics\data2\geomatics\data2\Drafting\603006\GIS\ADL\Maps_PostFieldWork\Maps\Figure2_s65.mxd Author: KVM (07/07/2010 @ 14:16 hrs)

Figure 2 (s40)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California



Legend

Northbound Soil Boring Location
A Series - Median (500-1000 series denotes duplicate)
C Series - Shoulder/Ramp Location (1001-2000 series denotes duplicate)

Southbound Soil Boring Location
B Series - Median (500-1000 series denotes duplicate)
D Series - Shoulder/Ramp (1001-2000 series denotes duplicate)

Source:
Basemap: HDR Inc., 2009, ESRI Resource Center, 2010
ADL Survey: Leighton, 2010

Notes:
Aerial imagery used for basemap is not orthorectified and is known to have misregistration issues.
The basemap is strictly to aid visualization but is not reliable for cross-verifying the accuracy of soil boring locations.
Soil boring locations are based on post-processed GPS data with an accuracy of 1 meter or 3.281 feet
Soil borings were typically advanced approximately 6-8 feet from traveled edge of pavement.
Soil boring locations were moved based on accessibility and underground/overhead utility conflicts.

Figure 2 (s41)
Boring Location Map, Aerially Deposited Lead Survey
I-15 Corridor Improvement Project, Riverside County, California

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A118	A118-0.5	0.5		95.4	5.83	<0.05	0.030	
A118	A118-1.0	1		3.35				
A118	A118-2.5	2.5		29.8	0.130			
A118	A118-5.0	5		3.33				
A119	A119-0.5	0.5		47.7				
A119	A119-1.0	1		5.20				
A119	A119-2.5	2.5		8.26	0.056			
A119	A119-5.0	5		5.90				
A120	A120-0.5	0.5		23.6				
A120	A120-1.0	1		9.22				
A120	A120-2.5	2.5		8.52				
A120	A120-5.0	5		20.3				
A121	A121-0.5	0.5		15.7				
A121	A121-1.0	1		8.70				7.42
A121	A121-2.5	2.5		7.98				
A121	A121-5.0	5		4.93				
A122	A122-0.5	0.5		14.2				
A122	A122-1.0	1		10.3				
A122	A122-2.5	2.5		7.53				
A122	A122-5.0	5		8.42		<0.05		
A123	A123-0.5	0.5		12.8				
A123	A123-1.0	1		3.84				
A123	A123-2.5	2.5		5.97				
A123	A123-5.0	5		9.59				
A124	A124-0.5	0.5		6.96				
A124	A124-1.0	1		9.32				
A124	A124-2.5	2.5		8.42	<0.05			
A124	A124-5.0	5		7.53				8.38
A125	A125-0.5	0.5		9.69				
A125	A125-1.0	1		9.50				
A125	A125-2.5	2.5		5.98				
A125	A125-5.0	5		6.03				
A126	A126-0.5	0.5		7.62				
A126	A126-1.0	1		6.44				
A126	A126-2.5	2.5		6.66				
A126	A126-5.0	5		14.3				
A127	A127-0.5	0.5		12.3				
A127	A127-1.0	1		1.18				
A127	A127-2.5	2.5		1.21				
A127	A127-5.0	5		< 0.5				
A128	A128-0.5	0.5		41.3				
A628	A628-0.5	0.5	X	36.0				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A128	A128-1.0	1		5.85				
A628	A628-1.0	1	X	5.62				
A128	A128-2.5	2.5		2.20				
A628	A628-2.5	2.5	X	1.82				
A128	A128-5.0	5		1.09		<0.05		
A628	A628-5.0	5	X	1.14				
A129	A129-0.5	0.5		10.1				
A129	A129-1.0	1		4.2				
A129	A129-2.5	2.5		14.3				
A129	A129-5.0	5		7.99				
A130	A130-0.5	0.5		14.4				
A130	A130-1.0	1		4.17				
A130	A130-2.5	2.5		2.55				7.74
A130	A130-5.0	5		2.63		<0.05		
A131	A131-0.5	0.5		19.0				
A131	A131-1.0	1		9.18				
A131	A131-2.5	2.5		3.50				
A131	A131-5.0	5		3.04				
A132	A132-0.5	0.5		13.7				
A132	A132-1.0	1		8.13				7.80
A132	A132-2.5	2.5		7.55				
A132	A132-5.0	5		2.93				
A133	A133-0.5	0.5		9.90				
A133	A133-1.0	1		3.19				
A133	A133-2.5	2.5		2.31				
A133	A133-5.0	5		3.02				
A134	A134-0.5	0.5		21.2				
A134	A134-1.0	1		7.43				6.22
A134	A134-2.5	2.5		2.95	0.101			
A135	A135-0.5	0.5		49.6				
A135	A135-1.0	1		8.98				7.52
A135	A135-2.5	2.5		8.69				
A135	A135-5.0	5		8.01				
A136	A136-0.5	0.5		10.1				
A136	A136-1.0	1		8.99				
A136	A136-2.5	2.5		7.50				
A137	A137-0.5	0.5		19.3				
A137	A137-1.0	1		7.43		<0.05		
A137	A137-2.5	2.5		9.06				
A137	A137-5.0	5		9.86				
A138	A138-0.5	0.5		10.9	<0.05			
A138	A138-1.0	1		2.59				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A138	A138-2.5	2.5		4.12				
A138	A138-5.0	5		2.84				7.98
A139	A139-0.5	0.5		13.9				
A139	A139-1.0	1		5.80				
A139	A139-2.5	2.5		6.54				
A139	A139-5.0	5		7.07				
A140	A140-0.5	0.5		3.18				
A140	A140-1.0	1		3.95				
A140	A140-2.5	2.5		7.50		<0.05		
A140	A140-5.0	5		6.96				8.27
A141	A141-0.5	0.5		12.3				
A141	A141-1.0	1		3.38				
A141	A141-2.5	2.5		7.35				
A141	A141-5.0	5		7.86				
A142	A142-0.5	0.5		30.0				
A142	A142-1.0	1		1.79				
A142	A142-2.5	2.5		1.60				
A142	A142-5.0	5		1.53				
A143	A143-0.5	0.5		10.9				
A143	A143-1.0	1		7.09				
A143	A143-2.5	2.5		4.52				
A143	A143-5.0	5		6.23	0.059			
A144	A144-0.5	0.5		27.1				
A144	A144-1.0	1		4.99				
A144	A144-2.5	2.5		6.28	0.055			
A144	A144-5.0	5		10.9				
A145	A145-0.5	0.5		4.84				
A145	A145-1.0	1		2.50				7.55
A145	A145-2.5	2.5		9.84				
A145	A145-5.0	5		1.90				
A146	A146-0.5	0.5		71.0	3.43	<0.05		
A146	A146-1.0	1		3.85				
A146	A146-2.5	2.5		4.05				7.48
A146	A146-5.0	5		34.3				
A147	A147-0.5	0.5		329	9.41	<0.05	0.400	7.86
A147	A147-1.0	1		10.1				
A147	A147-2.5	2.5		253	6.36	<0.05	0.210	
A147	A147-5.0	5		4.39				
A148	A148-0.5	0.5		41.8				
A648	A648-0.5	0.5	X	45.0				
A148	A148-1.0	1		2.60				
A648	A648-1.0	1	X	2.52				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A148	A148-2.5	2.5		6.04		<0.05		
A648	A648-2.5	2.5	X	16.5				
A148	A148-5.0	5		1.44				8.02
A648	A648-5.0	5	X	3.95				7.95
A149	A149-0.5	0.5		126	0.480	<0.05		
A649	A649-0.5	0.5	X	38.7				
A149	A149-1.0	1		1.10		<0.05		
A649	A649-1.0	1	X	7.83				
A149	A149-2.5	2.5		2.39				7.98
A649	A649-2.5	2.5	X	1.61				
A149	A149-5.0	5		12.5				
A150	A150-0.5	0.5		35.8				
A150	A150-1.0	1		7.06				
A150	A150-2.5	2.5		8.37				
A150	A150-5.0	5		6.87				
A151	A151-0.5	0.5		21.4				
A151	A151-1.0	1		7.46				
A151	A151-2.5	2.5		7.39				
A151	A151-5.0	5		7.61				
A152	A152-0.5	0.5		23.1				
A152	A152-1.0	1		5.78		<0.05		
A152	A152-2.5	2.5		6.97				
A152	A152-5.0	5		4.25				
A153	A153-0.5	0.5		39.9				
A153	A153-1.0	1		2.41				
A153	A153-2.5	2.5		29.5				7.58
A153	A153-5.0	5		5.03				
A154	A154-0.5	0.5		5.67				
A154	A154-1.0	1		5.33				
A154	A154-2.5	2.5		6.57		<0.05		
A154	A154-5.0	5		7.34				
A155	A155-0.5	0.5		9.34				
A155	A155-1.0	1		8.61				
A155	A155-2.5	2.5		5.62				
A155	A155-5.0	5		5.23				
A156	A156-0.5	0.5		21.3				
A156	A156-1.0	1		9.97				
A156	A156-2.5	2.5		4.29	0.190			
A156	A156-5.0	5		8.61		<0.05		
A157	A157-0.5	0.5		16.2				
A157	A157-1.0	1		14.3				
A157	A157-2.5	2.5		8.68				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A157	A157-5.0	5		9.16				
A158	A158-0.5	0.5		22.0				
A158	A158-1.0	1		7.66				
A158	A158-2.5	2.5		10.2				
A158	A158-5.0	5		9.07				
A159	A159-0.5	0.5		14.7				
A159	A159-1.0	1		14.4				
A159	A159-2.5	2.5		6.49				
A159	A159-5.0	5		5.02				
A160	A160-0.5	0.5		102	5.87	<0.05	0.240	
A660	A660-0.5	0.5	X	132	6.30	<0.05	0.090	
A160	A160-1.0	1		7.90				
A660	A660-1.0	1	X	4.56				
A160	A160-2.5	2.5		4.60				7.65
A660	A660-2.5	2.5	X	5.72				7.61
A161	A161-0.5	0.5		23.1				
A161	A161-1.0	1		7.22				
A161	A161-2.5	2.5		5.83				
A161	A161-5.0	5		11.6				
A162	A162-0.5	0.5		26.0				
A162	A162-1.0	1		5.88				
A162	A162-2.5	2.5		4.22				
A162	A162-5.0	5		4.22				
A163	A163-0.5	0.5		43.2		<0.05		
A163	A163-1.0	1		28.7	0.064	0.096		
A163	A163-2.5	2.5		3.62				
A163	A163-5.0	5		2.99		<0.05		
A164	A164-0.5	0.5		21.8	0.338			
A164	A164-1.0	1		8.09				
A164	A164-2.5	2.5		2.92				8.05
A164	A164-5.0	5		3.39				
A165	A165-0.5	0.5		9.58				
A165	A165-1.0	1		7.67				
A165	A165-2.5	2.5		2.68				
A165	A165-5.0	5		1.70				
A166	A166-0.5	0.5		7.48				
A166	A166-1.0	1		21.8				
A166	A166-2.5	2.5		3.41				
A166	A166-5.0	5		3.59				
A167	A167-0.5	0.5		6.61				
A167	A167-1.0	1		9.21				
A167	A167-2.5	2.5		5.30				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A167	A167-5.0	5		7.11				
A168	A168-0.5	0.5		5.33				
A168	A168-1.0	1		2.39				
A168	A168-2.5	2.5		7.55				
A169	A169-0.5	0.5		2.20				
A169	A169-1.0	1		5.78	0.108			7.09
A169	A169-2.5	2.5		4.69				
A169	A169-5.0	5		3.11				
A170	A170-0.5	0.5		10.1				
A170	A170-1.0	1		2.52				
A170	A170-2.5	2.5		2.18				
A170	A170-5.0	5		0.778		<0.05		
A171	A171-0.5	0.5		10.4				
A171	A171-1.0	1		2.56				7.52
A171	A171-2.5	2.5		2.04				
A171	A171-5.0	5		2.82	0.137			
A172	A172-0.5	0.5		2.05				
A672	A672-0.5	0.5	X	19.7				
A172	A172-1.0	1		2.31	0.088			
A672	A672-1.0	1	X	7.44				
A172	A172-2.5	2.5		16.2				
A672	A672-2.5	2.5	X	1.19				
A172	A172-5.0	5		2.21				
A672	A672-5.0	5	X	1.32				
A173	A173-0.5	0.5		23.0				
A173	A173-1.0	1		< 0.5		<0.05		7.73
A173	A173-2.5	2.5		< 0.5		<0.05		
A174	A174-0.5	0.5		31.6				
A174	A174-1.0	1		1.50				7.53
A174	A174-2.5	2.5		1.54	<0.05			
A174	A174-5.0	5		1.76				
A175	A175-0.5	0.5		27.6				
A675	A675-0.5	0.5	X	34.1				
A175	A175-1.0	1		1.63		<0.05		
A675	A675-1.0	1	X	2.03				
A175	A175-2.5	2.5		1.71				
A675	A675-2.5	2.5	X	2.31				
A175	A175-5.0	5		1.96				
A675	A675-5.0	5	X	3.56				
A176	A176-0.5	0.5		58.0	1.26	<0.05		
A176	A176-1.0	1		2.14				
A176	A176-2.5	2.5		2.59				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A176	A176-5.0	5		1.44				
A177	A177-0.5	0.5		28.1				7.14
A177	A177-1.0	1		2.12				
A177	A177-2.5	2.5		0.652				
A177	A177-5.0	5		1.18				
A178	A178-0.5	0.5		40.4				
A678	A678-0.5	0.5	X	35.1				
A178	A178-1.0	1		1.07				
A678	A678-1.0	1	X	0.844				
A178	A178-2.5	2.5		2.15				
A678	A678-2.5	2.5	X	1.14				
A178	A178-5.0	5		1.57				
A678	A678-5.0	5	X	0.73				
A179	A179-0.5	0.5		12.1				
A179	A179-1.0	1		1.96				
A179	A179-2.5	2.5		1.77				
A179	A179-5.0	5		1.10				
A180	A180-0.5	0.5		9.15				
A180	A180-1.0	1		1.68				
A180	A180-2.5	2.5		2.04		<0.05		
A180	A180-5.0	5		1.41				
A181	A181-0.5	0.5		79.9	1.72	0.148		
A181	A181-1.0	1		2.29				
A181	A181-2.5	2.5		1.71				
A181	A181-5.0	5		1.63				
A182	A182-0.5	0.5		3.85				
A182	A182-1.0	1		1.89				
A182	A182-2.5	2.5		2.19				
A182	A182-5.0	5		1.55				
A183	A183-0.5	0.5		36.7				
A183	A183-1.0	1		1.65				7.26
A183	A183-2.5	2.5		1.15				
A184	A184-0.5	0.5		22.8				
A184	A184-1.0	1		2.03	<0.05			7.15
A184	A184-2.5	2.5		1.40				
A184	A184-5.0	5		0.82				
A185	A185-0.5	0.5		5.48				
A185	A185-1.0	1		2.21				
A185	A185-2.5	2.5		0.837	<0.05			
A185	A185-5.0	5		1.16				7.23
A186	A186-0.5	0.5		40.6				
A186	A186-1.0	1		1.70				7.32

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A186	A186-2.5	2.5		1.75				
A187	A187-0.5	0.5		29.8				7.36
A187	A187-1.0	1		0.888				
A187	A187-2.5	2.5		0.971	<0.05			
A188	A188-0.5	0.5		3.83				
A188	A188-1.0	1		1.64				
A188	A188-2.5	2.5		2.71				7.72
A188	A188-5.0	5		1.20				
A189	A189-0.5	0.5		32.2				6.53
A189	A189-1.0	1		3.90				
A189	A189-2.5	2.5		1.94				
A189	A189-5.0	5		2.89		<0.05		
A190	A190-0.5	0.5		38.6				
A690	A690-0.5	0.5	X	24.9				
A190	A190-1.0	1		5.75				
A690	A690-1.0	1	X	4.00				
A190	A190-2.5	2.5		2.94				
A690	A690-2.5	2.5	X	2.46				
A190	A190-4.0	4		4.97				
A191	A191-0.5	0.5		106	3.79	<0.05		
A191	A191-1.0	1		3.30				
A191	A191-2.5	2.5		4.64				
A192	A192-0.5	0.5		40.0	<0.05			
A192	A192-1.0	1		0.524				6.67
A192	A192-2.5	2.5		1.62				
A192	A192-5.0	5		1.49		<0.05		
A193	A193-0.5	0.5		4.16				
A193	A193-1.0	1		3.69				
A193	A193-2.5	2.5		4.56				
A193	A193-5.0	5		3.84				
A194	A194-0.5	0.5		72.0	2.20	<0.05		
A694	A694-0.5	0.5	X	54.3	1.31			
A194	A194-1.0	1		4.22				
A694	A694-1.0	1	X	5.96				
A194	A194-2.5	2.5		5.48				
A694	A694-2.5	2.5	X	4.11				
A194	A194-5.0	5		5.03				
A694	A694-5.0	5	X	6.11				
A195	A195-0.5	0.5		7.45				
A195	A195-1.0	1		1.65				6.04
A195	A195-2.5	2.5		4.49				
A195	A195-5.0	5		2.64				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A196	A196-0.5	0.5		4.96				
A196	A196-1.0	1		1.54				5.84
A196	A196-2.5	2.5		13.9				
A196	A196-5.0	5		3.80				
A197	A197-0.5	0.5		20.3				
A197	A197-1.0	1		5.90				
A197	A197-2.5	2.5		4.16				
A197	A197-5.0	5		8.65				
A198	A198-0.5	0.5		4.76	<0.05			
A198	A198-1.0	1		3.34	0.058			
A198	A198-2.5	2.5		3.93				
A198	A198-5.0	5		4.24				
A199	A199-0.5	0.5		10.4				
A199	A199-1.0	1		< 0.5	<0.05			6.24
A200	A200-0.5	0.5		9.10				
A200	A200-1.0	1		2.70				
A200	A200-2.5	2.5		1.25				
A200	A200-5.0	5		4.66				
A201	A201-0.5	0.5		4.70				
A201	A201-1.0	1		1.94				
A201	A201-2.5	2.5		3.50				
A201	A201-4.0	4		3.47				
A202	A202-0.5	0.5		13.4				
A202	A202-1.0	1		5.20				
A202	A202-2.5	2.5		1.98				
A202	A202-5.0	5		11.5				
A203	A203-0.5	0.5		7.80				
A703	A703-0.5	0.5	X	43.2				
A203	A203-1.0	1		2.17				
A703	A703-1.0	1	X	1.79				
A203	A203-2.5	2.5		3.37				
A703	A703-2.5	2.5	X	12.7				
A203	A203-5.0	5		2.38				
A703	A703-5.0	5	X	2.30				
A204	A204-0.5	0.5		108	<0.05	0.100		
A204	A204-1.0	1		2.40				
A204	A204-2.5	2.5		1.49				
A204	A204-5.0	5		2.80	<0.05			
A205	A205-0.5	0.5		22.9				
A205	A205-1.0	1		1.22				
A205	A205-2.5	2.5		1.53				
A205	A205-5.0	5		3.04				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A206	A206-0.5	0.5		4.43		<0.05		
A206	A206-1.0	1		1.80				
A206	A206-2.5	2.5		1.51				
A206	A206-5.0	5		1.04				
A207	A207-0.5	0.5		49.2				
A207	A207-1.0	1		2.27				6.95
A207	A207-2.5	2.5		2.01				
A207	A207-5.0	5		2.27				
A208	A208-0.5	0.5		3.01		<0.05		
A208	A208-1.0	1		1.68				
A208	A208-2.5	2.5		37.7				
A208	A208-5.0	5		2.26				
A209	A209-0.5	0.5		96.6	4.97	0.159		
A209	A209-1.0	1		1.95				
A209	A209-2.5	2.5		3.40				
A209	A209-5.0	5		3.21				
A210	A210-0.5	0.5		3.45				
A210	A210-1.0	1		3.10				
A210	A210-2.5	2.5		4.19		<0.05		
A210	A210-5.0	5		4.09		<0.05		
A211	A211-0.5	0.5		25.9				
A211	A211-1.0	1		2.46				
A211	A211-2.5	2.5		3.64	<0.05			7.11
A212	A212-0.5	0.5		4.30				
A212	A212-1.0	1		< 0.5				
A212	A212-2.5	2.5		0.596				
A212	A212-5.0	5		2.28		<0.05		
A213	A213-0.5	0.5		2.30				
A213	A213-1.0	1		2.35		<0.05		7.45
A213	A213-2.5	2.5		2.84				
A213	A213-5.0	5		3.20	<0.05			
A214	A214-0.5	0.5		49.5				
A214	A214-1.0	1		2.46				
A214	A214-2.5	2.5		5.07				7.5
A214	A214-5.0	5		1.85				
A215	A215-0.5	0.5		30.0				7.63
A215	A215-1.0	1		2.61				
A215	A215-2.5	2.5		2.55				
A215	A215-5.0	5		3.64				
A216	A216-0.5	0.5		12.8				
A216	A216-1.0	1		3.66				
A216	A216-2.5	2.5		2.03				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A216	A216-5.0	5		2.62				
A217	A217-0.5	0.5		22.5				
A217	A217-1.0	1		4.79				
A217	A217-2.5	2.5		4.01				
A217	A217-5.0	5		4.19				
A218	A218-0.5	0.5		3.70		<0.05		
A218	A218-1.0	1		3.24		<0.05		
A218	A218-2.5	2.5		2.94				7.22
A218	A218-5.0	5		3.06				
A219	A219-0.5	0.5		39.1				
A219	A219-1.0	1		3.49				
A219	A219-2.5	2.5		3.14				
A219	A219-5.0	5		3.44				
A220	A220-0.5	0.5		3.88		<0.05		
A220	A220-1.0	1		2.51				
A220	A220-2.5	2.5		4.99				
A220	A220-5.0	5		0.602		<0.05		
A221	A221-0.5	0.5		8.77				
A721	A721-0.5	0.5	X	29.9				
A221	A221-1.0	1		3.16				
A721	A721-1.0	1	X	3.37				
A221	A221-2.5	2.5		< 0.5				
A721	A721-2.5	2.5	X	3.35				
A221	A221-5.0	5		0.561				
A721	A721-5.0	5	X	1.83				
A222	A222-0.5	0.5		12.4				
A222	A222-1.0	1		4.90				
A222	A222-2.5	2.5		4.21				
A222	A222-5.0	5		3.91				
A223	A223-0.5	0.5		4.61				
A223	A223-1.0	1		4.03				
A223	A223-2.5	2.5		< 0.5				7.95
A224	A224-0.5	0.5		4.99	0.06			
A224	A224-1.0	1		< 0.5				
A224	A224-2.5	2.5		< 0.5				
A225	A225-0.5	0.5		4.53				
A225	A225-1.0	1		4.76				8.19
A225	A225-2.5	2.5		4.59				
A225	A225-5.0	5		5.12				
A226	A226-0.5	0.5		3.48				
A226	A226-1.0	1		< 0.5				
A226	A226-2.5	2.5		4.47				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A226	A226-5.0	5		< 0.5				6.54
A227	A227-0.5	0.5		6.18				7.35
A727	A727-0.5	0.5	X	< 0.5				7.84
A227	A227-1.0	1		< 0.5				
A727	A727-1.0	1	X	< 0.5				
A227	A227-2.5	2.5		< 0.5				
A727	A727-2.5	2.5	X	4.21				
A227	A227-5.0	5		< 0.5				
A727	A727-5.0	5	X	5.47				
A228	A228-0.5	0.5		12.6				
A228	A228-1.0	1		4.06				7.72
A228	A228-2.5	2.5		< 0.5				
A228	A228-5.0	5		< 0.5				
A229	A229-0.5	0.5		9.56				
A229	A229-1.0	1		13.2				
A229	A229-2.5	2.5		8.90				
A230	A230-0.5	0.5		6.96				
A230	A230-1.0	1		4.52				
A230	A230-2.5	2.5		< 0.5				
A231	A231-0.5	0.5		64.7	1.28	<0.05		
A731	A731-0.5	0.5	X	13.5				
A231	A231-1.0	1		6.17				8.25
A731	A731-1.0	1	X	13.4				8.02
A232	A232-0.5	0.5		44.5	1.41			
A232	A232-1.0	1		15.2		<0.05		
A232	A232-2.5	2.5		9.93				6.68
A232	A232-5.0	5		26.5				
A233	A233-0.5	0.5		24.4				
A233	A233-1.0	1		16.4				
A233	A233-2.5	2.5		11.5	0.227			7.61
A233	A233-5.0	5		18.8		<0.05		
A234	A234-0.5	0.5		15.4				
A234	A234-1.0	1		11.8				
A234	A234-2.5	2.5		9.07				
A235	A235-0.5	0.5		11.5				
A235	A235-1.0	1		5.34				
A235	A235-2.5	2.5		4.31				
A235	A235-5.0	5		7.85				
A236	A236-0.5	0.5		16.9		<0.05		
A236	A236-1.0	1		12.7				
A236	A236-2.5	2.5		6.13	<0.05			
A236	A236-5.0	5		3.18				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A237	A237-0.5	0.5		42.2		<0.05		
A237	A237-1.0	1		10.5				
A237	A237-2.5	2.5		12.5				
A237	A237-5.0	5		11.1				6.45
A238	A238-0.5	0.5		10.6				
A238	A238-1.0	1		14.6				
A238	A238-2.5	2.5		12.7				
A238	A238-5.0	5		6.57				
A239	A239-0.5	0.5		18.6				6.84
A239	A239-1.0	1		13.1				
A239	A239-2.5	2.5		9.24				
A239	A239-5.0	5		8.39				
A240	A240-0.5	0.5		14.5				
A240	A240-1.0	1		8.54				
A240	A240-2.5	2.5		2.63				
A241	A241-0.5	0.5		42.3				
A241	A241-1.0	1		10.2				
A241	A241-2.5	2.5		9.04				
A241	A241-5.0	5		9.26				
A242	A242-0.5	0.5		6.81				
A242	A242-1.0	1		7.03		<0.05		
A242	A242-2.5	2.5		10.2				
A243	A243-0.5	0.5		129	1.57	<0.05		
A243	A243-1.0	1		6.49				
A243	A243-2.5	2.5		3.43				
A243	A243-5.0	5		42.2				
A244	A244-0.5	0.5		8.64		<0.05		
A244	A244-1.0	1		5.69				
A244	A244-2.5	2.5		8.76	0.106			6.31
A244	A244-5.0	5		16.7				
A245	A245-0.5	0.5		12.6				
A245	A245-1.0	1		1.75	<0.05			6.36
A245	A245-2.5	2.5		4.55				
A245	A245-5.0	5		8.49	0.058			
A246	A246-0.5	0.5		28.4	1.73			
A746	A746-0.5	0.5	X	71.7	2.34			
A246	A246-1.0	1		11.7		<0.05		
A746	A746-1.0	1	X	11.8				
A246	A246-2.5	2.5		6.59				
A746	A746-2.5	2.5	X	6.92				
A246	A246-5.0	5		7.49				6.29
A247	A247-0.5	0.5		82.9	4.93	<0.05		

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A247	A247-1.0	1		9.90				6.7
A247	A247-2.5	2.5		17.1				
A247	A247-3.5	3.5		8.01				
A248	A248-0.5	0.5		12.3				
A248	A248-1.0	1		13.1		<0.05		
A249	A249-0.5	0.5		16.0				
A249	A249-1.0	1		7.11				
A249	A249-2.5	2.5		10.8	0.343			
A250	A250-0.5	0.5		12.5	0.200			
A250	A250-1.0	1		8.07		<0.05		
A251	A251-0.5	0.5		21.9				
A751	A751-0.5	0.5	X	7.24				
A251	A251-1.0	1		7.60	<0.05			
A751	A751-1.0	1	X	6.63				
A251	A251-2.5	2.5		5.82				
A751	A751-2.5	2.5	X	5.99				
A252	A252-0.5	0.5		24.7				
A252	A252-1.0	1		23.3				
A252	A252-2.5	2.5		6.13				7.08
A252	A252-5.0	5		5.98				
A253	A253-0.5	0.5		30.3				
A253	A253-1.0	1		7.28				6.92
A253	A253-2.5	2.5		5.33				
A253	A253-5.0	5		5.89				
A254	A254-0.5	0.5		11.7				
A254	A254-1.0	1		12.9				
A254	A254-2.5	2.5		4.46	0.12			7.54
A254	A254-5.0	5		1.91				
A255	A255-0.5	0.5		4.19				
A255	A255-1.0	1		13.8				
A255	A255-2.5	2.5		2.78				
A255	A255-5.0	5		2.29				
A256	A256-0.5	0.5		9.94	0.082			
A256	A256-1.0	1		12.6				
A256	A256-2.5	2.5		8.86				
A256	A256-5.0	5		7.92				
A257	A257-0.5	0.5		12.5		<0.05		
A757	A757-0.5	0.5	X	9.87				
A257	A257-1.0	1		6.40				
A757	A757-1.0	1	X	4.65				
A257	A257-2.5	2.5		9.20				
A757	A757-2.5	2.5	X	8.49				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A257	A257-5.0	5		6.12				
A757	A757-5.0	5	X	4.79				
A258	A258-0.5	0.5		27.8		<0.05		
A258	A258-1.0	1		8.00				
A258	A258-2.5	2.5		63.1	0.860	<0.05		
A258	A258-5.0	5		3.99				
A259	A259-0.5	0.5		6.90	<0.05			
A259	A259-1.0	1		3.92				
A259	A259-2.5	2.5		2.60		<0.05		
A259	A259-5.0	5		5.03				
A260	A260-0.5	0.5		2.75				
A260	A260-1.0	1		4.90				6.98
A260	A260-2.5	2.5		4.97	0.11			
A260	A260-5.0	5		2.29				
A261	A261-0.5	0.5		7.83				
A261	A261-1.0	1		4.35				
A261	A261-2.5	2.5		4.24		<0.05		
A261	A261-5.0	5		6.17				
A262	A262-0.5	0.5		25.9				
A262	A262-1.0	1		4.19				
A263	A263-0.5	0.5		162	1.79	0.057		
A263	A263-1.0	1		4.69				
A263	A263-2.5	2.5		12.5				7.34
A263	A263-5.0	5		67.9	3.76	<0.05		
A264	A264-0.5	0.5		18.3				
A264	A264-1.0	1		4.49	<0.05			
A264	A264-2.5	2.5		17.1				
A264	A264-5.0	5		14.1				
A265	A265-0.5	0.5		16.2				
A265	A265-1.0	1		6.17				
A265	A265-2.5	2.5		3.79				
A265	A265-5.0	5		5.02				
A266	A266-0.5	0.5		7.89				
A266	A266-1.0	1		5.98				
A266	A266-2.5	2.5		5.08				
A266	A266-5.0	5		13.3				
A267	A267-0.5	0.5		10.7				
A267	A267-1.0	1		7.92				6.84
A267	A267-2.5	2.5		9.50				
A267	A267-5.0	5		4.51				
A268	A268-0.5	0.5		8.32				
A268	A268-1.0	1		5.30				

Table 1
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Interstate 15 ELPSE ADL Survey
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Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A268	A268-2.5	2.5		4.89				
A268	A268-5.0	5		9.67				
A269	A269-0.5	0.5		2.57				7.02
A269	A269-1.0	1		6.09				
A269	A269-2.5	2.5		7.76		<0.05		
A269	A269-5.0	5		3.61				
A270	A270-0.5	0.5		6.83				
A270	A270-1.0	1		11.9				7.68
A270	A270-2.5	2.5		13.4	0.073			
A270	A270-5.0	5		9.47		<0.05		
A271	A271-0.5	0.5		5.07				
A271	A271-1.0	1		4.78				
A271	A271-2.5	2.5		13.4				
A271	A271-5.0	5		2.90				
A272	A272-0.5	0.5		9.57				
A272	A272-1.0	1		9.80				
A272	A272-2.5	2.5		6.49				
A272	A272-5.0	5		11.5				6.75
A273	A273-0.5	0.5		7.14				
A273	A273-1.0	1		< 0.5				
A273	A273-2.5	2.5		< 0.5				
A274	A274-0.5	0.5		7.52				
A274	A274-1.0	1		6.35		<0.05		
A274	A274-2.5	2.5		6.32				7.12
A274	A274-5.0	5		6.81				
A275	A275-0.5	0.5		2.94				
A275	A275-1.0	1		0.864	0.061			
A275	A275-2.5	2.5		4.49				7.95
A275	A275-5.0	5		3.70				
A276	A276-0.5	0.5		1.35				
A276	A276-1.0	1		< 0.5	0.062			
A276	A276-2.5	2.5		1.24				
A276	A276-5.0	5		2.13				
A277	A277-0.5	0.5		29.3		0.14		
A277	A277-1.0	1		< 0.5				
A277	A277-2.5	2.5		19.9	0.278	<0.05		
A277	A277-5.0	5		< 0.5				
A278	A278-0.5	0.5		< 0.5				
A278	A278-1.0	1		< 0.5	0.059			
A278	A278-2.5	2.5		< 0.5				
A278	A278-5.0	5		< 0.5				
A279	A279-0.5	0.5		1.17				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
A279	A279-1.0	1		< 0.5		<0.05		
A279	A279-2.5	2.5		< 0.5				
A279	A279-5.0	5		< 0.5				
A280	A280-0.5	0.5		< 0.5	0.075			
A281	A281-0.5	0.5		< 0.5				
A281	A281-1.0	1		1.37				
A281	A281-2.5	2.5		1.07				
A282	A282-0.5	0.5		2.34				
A782	A782-0.5	0.5	X	15.0				
A282	A282-1.0	1		7.79				
A782	A782-1.0	1	X	13.9				
A282	A282-2.5	2.5		11.5				6.92
A782	A782-2.5	2.5	X	< 0.5				7.34
A282	A282-5.0	5		< 0.5				
A782	A782-5.0	5	X	< 0.5				
B118	B118-0.5	0.5		13.9				
B618	B618-0.5	0.5	X	77.9	1.51			
B118	B118-1.0	1		1.80				
B618	B618-1.0	1	X	1.65				
B118	B118-2.5	2.5		1.50				6.95
B618	B618-2.5	2.5	X	1.33				7.25
B118	B118-5.0	5		0.785				
B618	B618-5.0	5	X	3.01				
B119	B119-0.5	0.5		20.3	0.657			6.61
B119	B119-1.0	1		0.733				
B119	B119-2.5	2.5		1.34				
B119	B119-5.0	5		0.520				
B120	B120-0.5	0.5		10.2		<0.05		
B120	B120-1.0	1		0.612				6.95
B120	B120-2.5	2.5		1.03		<0.05		
B120	B120-5.0	5		1.07				
B121	B121-0.5	0.5		24.5				
B121	B121-1.0	1		4.35				
B121	B121-2.5	2.5		3.26				
B121	B121-5.0	5		8.54				
B122	B122-0.5	0.5		26.3		<0.05		
B122	B122-1.0	1		4.87				
B122	B122-2.5	2.5		8.76				7.33
B122	B122-5.0	5		4.17				
B123	B123-0.5	0.5		55.8	1.54	<0.05		
B123	B123-1.0	1		16.9				
B123	B123-2.5	2.5		5.13		<0.05		

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B123	B123-5.0	5		17.5	0.113			
B124	B124-0.5	0.5		137	6.29	<0.05	0.040	
B124	B124-1.0	1		10.3				
B124	B124-2.5	2.5		9.93				
B124	B124-5.0	5		8.45				8.74
B125	B125-0.5	0.5		16.9				
B125	B125-1.0	1		6.74				
B125	B125-2.5	2.5		7.54				
B125	B125-5.0	5		7.45				
B126	B126-0.5	0.5		18.2				
B626	B626-0.5	0.5	X	16.6				
B126	B126-1.0	1		5.53	<0.05			7.84
B626	B626-1.0	1	X	7.38				7.89
B126	B126-2.5	2.5		6.45				
B626	B626-2.5	2.5	X	7.51				
B126	B126-5.0	5		8.62		<0.05		
B626	B626-5.0	5	X	6.72				
B127	B127-0.5	0.5		36.8				
B127	B127-1.0	1		0.93		<0.05		
B127	B127-2.5	2.5		1.09				8.22
B127	B127-5.0	5		5.77				
B128	B128-0.5	0.5		49.6				
B628	B628-0.5	0.5	X	6.73				
B128	B128-1.0	1		3.50				
B628	B628-1.0	1	X	2.92				
B128	B128-2.5	2.5		1.15				
B628	B628-2.5	2.5	X	2.36				
B128	B128-5.0	5		0.895				8.35
B628	B628-5.0	5	X	0.799				8.51
B129	B129-0.5	0.5		26.1				
B129	B129-1.0	1		1.57				7.60
B129	B129-2.5	2.5		0.992				
B129	B129-5.0	5		2.12				
B130	B130-0.5	0.5		29.5				
B630	B630-0.5	0.5	X	28.4				
B130	B130-1.0	1		3.45				
B630	B630-1.0	1	X	1.66				
B130	B130-2.5	2.5		6.16				
B630	B630-2.5	2.5	X	5.94				
B130	B130-5.0	5		9.31	0.072			
B630	B630-5.0	5	X	10.2				
B131	B131-0.5	0.5		23.7				7.85

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B131	B131-1.0	1		1.87				
B131	B131-2.5	2.5		2.23				
B131	B131-5.0	5		< 0.5				
B132	B132-0.5	0.5		29.0				
B132	B132-1.0	1		9.16				
B132	B132-2.5	2.5		7.15		0.095		
B132	B132-5.0	5		4.21				
B133	B133-0.5	0.5		12.9				
B133	B133-1.0	1		7.44				
B133	B133-2.5	2.5		7.40				
B133	B133-5.0	5		6.81				
B134	B134-0.5	0.5		21.5				
B134	B134-1.0	1		7.70				
B134	B134-2.5	2.5		8.66				
B134	B134-5.0	5		7.88				
B135	B135-0.5	0.5		8.72				
B135	B135-1.0	1		6.99				
B135	B135-2.5	2.5		6.87				
B135	B135-5.0	5		6.04	0.050			
B136	B136-0.5	0.5		11.8				
B136	B136-1.0	1		14.5				
B136	B136-2.5	2.5		6.59				7.72
B136	B136-5.0	5		7.88				
B137	B137-0.5	0.5		30.5				
B137	B137-1.0	1		7.70				
B137	B137-2.5	2.5		7.26				
B137	B137-5.0	5		7.82				
B138	B138-0.5	0.5		12.6				
B138	B138-1.0	1		7.52				
B138	B138-2.5	2.5		7.49				
B138	B138-5.0	5		7.32				
B139	B139-0.5	0.5		59.2	2.91	0.162		6.51
B139	B139-1.0	1		4.99	<0.05			
B139	B139-2.5	2.5		6.33		<0.05		
B139	B139-5.0	5		4.63				
B140	B140-0.5	0.5		48.7	2.58			
B140	B140-1.0	1		7.38				
B140	B140-2.5	2.5		6.96				
B140	B140-5.0	5		8.99				
B141	B141-0.5	0.5		6.97				
B141	B141-1.0	1		7.21				
B141	B141-2.5	2.5		7.63	0.052			

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B141	B141-5.0	5		7.42				
B142	B142-0.5	0.5		17.6				
B142	B142-1.0	1		1.35				
B142	B142-2.5	2.5		2.90				
B142	B142-5.0	5		4.02				
B143	B143-0.5	0.5		34.4		<0.05		
B143	B143-1.0	1		4.69				
B143	B143-2.5	2.5		4.50				
B143	B143-5.0	5		5.93				
B144	B144-0.5	0.5		7.29				
B144	B144-1.0	1		8.90				
B144	B144-2.5	2.5		2.74				
B144	B144-5.0	5		6.01				
B145	B145-0.5	0.5		20.5				
B145	B145-1.0	1		5.60	0.089			
B145	B145-2.5	2.5		35.7				
B145	B145-5.0	5		2.18		<0.05		
B146	B146-0.5	0.5		32.9	0.683			
B146	B146-1.0	1		4.45				
B146	B146-2.5	2.5		3.58		<0.05		
B146	B146-5.0	5		2.44				
B147	B147-0.5	0.5		2.84				
B147	B147-1.0	1		2.93				
B147	B147-2.5	2.5		2.17				
B147	B147-5.0	5		3.60				
B148	B148-0.5	0.5		34.5				
B148	B148-1.0	1		5.00		<0.05		
B148	B148-2.5	2.5		3.26				
B148	B148-5.0	5		9.26				
B149	B149-0.5	0.5		44.0				7.58
B149	B149-1.0	1		3.46				
B149	B149-2.5	2.5		3.01				
B149	B149-5.0	5		5.56				
B150	B150-0.5	0.5		36.8				
B650	B650-0.5	0.5	X	43.4				
B150	B150-1.0	1		8.12				7.02
B650	B650-1.0	1	X	5.48				7.25
B150	B150-2.5	2.5		6.71	0.085			
B650	B650-2.5	2.5	X	7.16				
B150	B150-5.0	5		7.16				
B650	B650-5.0	5	X	6.96				
B151	B151-0.5	0.5		7.32				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B151	B151-1.0	1		6.48				
B151	B151-2.5	2.5		8.53				
B151	B151-5.0	5		7.05	0.06			
B152	B152-0.5	0.5		48.3				
B152	B152-1.0	1		8.42				
B152	B152-2.5	2.5		10.3				
B152	B152-5.0	5		4.71	<0.05			
B153	B153-0.5	0.5		8.49				7.64
B153	B153-1.0	1		7.33	0.115			
B153	B153-2.5	2.5		5.80				
B153	B153-5.0	5		4.56		<0.05		
B154	B154-0.5	0.5		5.19				
B154	B154-1.0	1		5.47				
B154	B154-2.5	2.5		5.64		<0.05		
B154	B154-5.0	5		3.80		<0.05		
B155	B155-0.5	0.5		27.9				
B155	B155-1.0	1		3.72				
B155	B155-2.5	2.5		4.96				
B155	B155-5.0	5		8.95				
B156	B156-0.5	0.5		12.0				
B156	B156-1.0	1		4.94				
B156	B156-2.5	2.5		7.85				
B156	B156-5.0	5		10.9				
B157	B157-0.5	0.5		12.3				
B157	B157-1.0	1		11.2				
B157	B157-2.5	2.5		7.10				
B157	B157-5.0	5		7.00				
B158	B158-0.5	0.5		34.1				
B158	B158-1.0	1		9.64				
B158	B158-2.5	2.5		8.83	<0.05			7.60
B158	B158-5.0	5		8.15				
B159	B159-0.5	0.5		12.1		<0.05		
B159	B159-1.0	1		8.45				7.04
B159	B159-2.5	2.5		9.26				
B159	B159-5.0	5		9.87				
B160	B160-0.5	0.5		10.2				
B160	B160-1.0	1		6.20				
B160	B160-2.5	2.5		7.30				
B160	B160-5.0	5		7.59				
B161	B161-0.5	0.5		23.6				
B161	B161-1.0	1		6.43				
B161	B161-2.5	2.5		11.5				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B161	B161-5.0	5		3.80	0.425			
B162	B162-0.5	0.5		17.6				
B162	B162-1.0	1		8.68				
B162	B162-2.5	2.5		4.43		<0.05		
B162	B162-5.0	5		8.52				
B163	B163-0.5	0.5		12.6	0.069			
B163	B163-1.0	1		2.08				
B163	B163-2.5	2.5		4.06				7.58
B163	B163-5.0	5		4.76				
B164	B164-0.5	0.5		10.1				
B164	B164-1.0	1		5.37				
B164	B164-2.5	2.5		16.6				
B164	B164-5.0	5		11.3				
B165	B165-0.5	0.5		16.8				
B165	B165-1.0	1		5.31	<0.05			7.9
B165	B165-2.5	2.5		8.98				
B165	B165-5.0	5		3.31		<0.05		
B166	B166-0.5	0.5		5.66				
B166	B166-1.0	1		9.37				
B166	B166-2.5	2.5		5.21				
B166	B166-5.0	5		4.62				
B167	B167-0.5	0.5		12.5				
B667	B667-0.5	0.5	X	13.9				
B167	B167-1.0	1		5.94				
B667	B667-1.0	1	X	4.84				
B167	B167-2.5	2.5		6.52	0.119			
B667	B667-2.5	2.5	X	64.2	2.97			
B167	B167-5.0	5		1.95				
B667	B667-5.0	5	X	1.88				
B168	B168-0.5	0.5		10.4				
B168	B168-1.0	1		5.31				
B168	B168-2.5	2.5		5.89		<0.05		
B168	B168-5.0	5		5.46				
B169	B169-0.5	0.5		39.8				
B169	B169-1.0	1		1.53	<0.05	<0.05		
B169	B169-2.5	2.5		1.74				
B169	B169-5.0	5		5.61				
B170	B170-0.5	0.5		14.8				
B170	B170-1.0	1		< 0.5				
B170	B170-2.5	2.5		6.60				
B170	B170-5.0	5		1.74				
B171	B171-0.5	0.5		11.3				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B171	B171-1.0	1		1.64				
B171	B171-2.5	2.5		1.21	<0.05			
B171	B171-5.0	5		1.58				
B172	B172-0.5	0.5		3.26				
B172	B172-1.0	1		1.59				
B172	B172-2.5	2.5		1.19				
B172	B172-5.0	5		1.64				
B173	B173-0.5	0.5		0.563				
B173	B173-1.0	1		< 0.5				
B173	B173-2.5	2.5		< 0.5	<0.05			
B174	B174-0.5	0.5		8.99				
B174	B174-1.0	1		1.67		<0.05		
B174	B174-2.5	2.5		4.95				
B174	B174-5.0	5		3.51				
B175	B175-0.5	0.5		5.78				
B675	B675-0.5	0.5	X	2.91				
B175	B175-1.0	1		1.07				
B675	B675-1.0	1	X	1.93				
B175	B175-2.5	2.5		0.641				
B675	B675-2.5	2.5	X	0.952				
B175	B175-5.0	5		3.63				7.99
B675	B675-5.0	5	X	1.13				8.02
B176	B176-0.5	0.5		23.7		<0.05		
B176	B176-1.0	1		2.13				
B176	B176-2.5	2.5		0.759				
B176	B176-5.0	5		3.66				
B177	B177-0.5	0.5		1.77				
B177	B177-1.0	1		4.15				
B177	B177-2.5	2.5		1.42				
B177	B177-5.0	5		4.52				
B178	B178-0.5	0.5		42.9				
B178	B178-1.0	1		1.79		<0.05		
B178	B178-2.5	2.5		1.45				
B178	B178-5.0	5		2.90				
B179	B179-0.5	0.5		2.69				
B179	B179-1.0	1		1.40				
B179	B179-2.5	2.5		1.52	<0.05			
B179	B179-5.0	5		4.66				
B181	B181-0.5	0.5		20.7				
B181	B181-1.0	1		2.13				
B181	B181-2.5	2.5		4.87				7.97
B181	B181-5.0	5		5.22				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B182	B182-0.5	0.5		4.15				
B182	B182-1.0	1		4.22				
B182	B182-2.5	2.5		3.42				
B182	B182-5.0	5		2.79				
B183	B183-0.5	0.5		78.3	1.35	<0.05		
B183	B183-1.0	1		1.94				
B183	B183-2.5	2.5		2.02				7.07
B183	B183-5.0	5		2.41	<0.05			
B184	B184-0.5	0.5		44.9				
B184	B184-1.0	1		1.62				
B184	B184-2.5	2.5		2.17				
B184	B184-5.0	5		1.16				
B185	B185-0.5	0.5		95.1	3.44	<0.05		
B685	B685-0.5	0.5	X	39.9				
B185	B185-1.0	1		1.71		<0.05		
B685	B685-1.0	1	X	1.71				
B185	B185-2.5	2.5		1.79				
B685	B685-2.5	2.5	X	1.39				
B185	B185-5.0	5		2.22		<0.05		7.02
B685	B685-5.0	5	X	1.73				6.95
B186	B186-0.5	0.5		40.1				
B186	B186-1.0	1		1.76				
B186	B186-2.5	2.5		2.10	<0.05			
B186	B186-5.0	5		2.84				
B187	B187-0.5	0.5		28.7	0.897			
B187	B187-1.0	1		1.67				
B187	B187-2.5	2.5		3.00				
B187	B187-5.0	5		1.36				
B188	B188-0.5	0.5		0.835				
B188	B188-1.0	1		1.43				
B189	B189-0.5	0.5		52.9	3.45	<0.05		
B189	B189-1.0	1		1.53				7.66
B189	B189-2.5	2.5		1.08				
B189	B189-5.0	5		2.90				
B190	B190-0.5	0.5		23.7				
B190	B190-1.0	1		< 0.5				
B190	B190-2.5	2.5		2.17				
B190	B190-5.0	5		1.16				
B191	B191-0.5	0.5		18.2				
B191	B191-1.0	1		7.11				
B191	B191-2.5	2.5		16.9	0.236			
B191	B191-5.0	5		6.41	<0.05			

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B192	B192-0.5	0.5		11.4				
B192	B192-1.0	1		4.50				
B192	B192-2.5	2.5		7.35				
B192	B192-5.0	5		3.82				
B193	B193-0.5	0.5		11.8				
B193	B193-1.0	1		3.14				
B193	B193-2.5	2.5		4.40				
B193	B193-5.0	5		3.65				
B194	B194-0.5	0.5		2.77				
B194	B194-1.0	1		2.58				
B194	B194-2.5	2.5		2.97				
B194	B194-5.0	5		3.80				
B195	B195-0.5	0.5		9.70				
B695	B695-0.5	0.5	X	19.8				
B195	B195-1.0	1		3.06				
B695	B695-1.0	1	X	3.97				
B195	B195-2.5	2.5		3.49				
B695	B695-2.5	2.5	X	3.31				
B195	B195-5.0	5		3.50	0.163	<0.05		
B695	B695-5.0	5	X	4.53				
B196	B196-0.5	0.5		1.14				
B196	B196-1.0	1		1.33				
B196	B196-2.5	2.5		2.16				
B197	B197-0.5	0.5		6.56				
B197	B197-1.0	1		3.24				
B197	B197-2.5	2.5		4.76				
B197	B197-5.0	5		3.91				
B198	B198-0.5	0.5		7.34				
B198	B198-1.0	1		2.37				
B198	B198-2.5	2.5		2.74				
B198	B198-5.0	5		2.06				
B199	B199-0.5	0.5		11.7				
B199	B199-1.0	1		4.05				
B199	B199-2.5	2.5		4.30		<0.05		
B199	B199-5.0	5		5.56				
B200	B200-0.5	0.5		45.7	1.18			
B200	B200-1.0	1		6.09				
B200	B200-2.5	2.5		3.17				
B201	B201-0.5	0.5		8.93				
B201	B201-1.0	1		1.38				
B201	B201-2.5	2.5		16.2				
B201	B201-5.0	5		3.24				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B202	B202-0.5	0.5		33.9				
B202	B202-1.0	1		2.97				6.16
B202	B202-2.5	2.5		5.18				
B202	B202-5.0	5		2.89				
B203	B203-0.5	0.5		30.6				
B203	B203-1.0	1		3.81				
B203	B203-2.5	2.5		2.30				
B203	B203-5.0	5		2.98				
B204	B204-0.5	0.5		29.3				
B204	B204-1.0	1		3.06				
B204	B204-2.5	2.5		3.47				
B204	B204-5.0	5		3.18				
B205	B205-0.5	0.5		44.9				
B705	B705-0.5	0.5	X	55.4	2.48			
B205	B205-1.0	1		2.34				
B705	B705-1.0	1	X	2.88				
B205	B205-2.5	2.5		1.17		<0.05		
B705	B705-2.5	2.5	X	1.47				
B205	B205-5.0	5		3.15				
B206	B206-0.5	0.5		69.0	1.87	<0.05		
B206	B206-1.0	1		1.58				
B206	B206-2.5	2.5		1.67	<0.05			
B206	B206-5.0	5		1.57				7.02
B207	B207-0.5	0.5		15.3				
B207	B207-1.0	1		5.58		<0.05		
B207	B207-2.5	2.5		1.93				
B207	B207-5.0	5		7.75				
B208	B208-0.5	0.5		16.3				
B208	B208-1.0	1		2.70				
B208	B208-2.5	2.5		14.3		0.051		6.63
B208	B208-5.0	5		3.00				
B209	B209-0.5	0.5		7.39	0.086			
B209	B209-1.0	1		2.31				
B209	B209-2.5	2.5		2.68				
B209	B209-5.0	5		2.27				
B210	B210-0.5	0.5		3.23				
B210	B210-1.0	1		1.55				
B210	B210-2.5	2.5		3.08				6.65
B210	B210-5.0	5		2.19				
B211	B211-0.5	0.5		13.6		<0.05		
B211	B211-1.0	1		1.99				7.05
B211	B211-2.5	2.5		2.04				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B211	B211-5.0	5		2.04				
B212	B212-0.5	0.5		19.1				
B212	B212-1.0	1		2.33				
B212	B212-2.5	2.5		1.80				7.05
B212	B212-5.0	5		1.97				
B213	B213-0.5	0.5		28.1				
B213	B213-1.0	1		1.66				7.26
B213	B213-2.5	2.5		1.41				
B213	B213-5.0	5		2.06				
B215	B215-0.5	0.5		31.8				
B215	B215-1.0	1		5.04				
B215	B215-2.5	2.5		5.10	<0.05			
B215	B215-5.0	5		6.21				
B216	B216-0.5	0.5		7.86				
B216	B216-1.0	1		3.22				
B216	B216-2.5	2.5		1.65				
B216	B216-5.0	5		2.64				
B217	B217-0.5	0.5		7.04				7.07
B217	B217-1.0	1		2.65				
B217	B217-2.5	2.5		3.95				
B217	B217-5.0	5		4.50				
B218	B218-0.5	0.5		19.4				
B218	B218-1.0	1		4.86				
B218	B218-2.5	2.5		9.41				7.12
B218	B218-5.0	5		3.91				
B219	B219-0.5	0.5		3.99	0.065			
B219	B219-1.0	1		3.34				
B219	B219-2.5	2.5		4.54				
B219	B219-5.0	5		3.95				
B220	B220-0.5	0.5		2.07				
B220	B220-1.0	1		1.82		<0.05		
B220	B220-2.5	2.5		2.84				
B220	B220-5.0	5		4.49		<0.05		
B221	B221-0.5	0.5		8.87				
B221	B221-1.0	1		3.83				
B221	B221-2.5	2.5		41.2				
B221	B221-5.0	5		4.41				
B222	B222-0.5	0.5		3.18	0.071			
B222	B222-1.0	1		9.07				
B222	B222-2.5	2.5		3.68	0.062	<0.05		
B222	B222-5.0	5		3.93				
B223	B223-0.5	0.5		11.0				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B223	B223-1.0	1		2.63				
B223	B223-2.5	2.5		4.10				
B223	B223-5.0	5		5.54		<0.05		
B224	B224-0.5	0.5		3.22				
B224	B224-1.0	1		< 0.5				
B224	B224-2.0	2		< 0.5				
B225	B225-0.5	0.5		12.8				7.10
B225	B225-1.0	1		< 0.5				
B226	B226-0.5	0.5		4.11	<0.05			
B226	B226-1.0	1		5.93				6.85
B226	B226-2.5	2.5		4.81				
B227	B227-0.5	0.5		4.15				
B227	B227-1.0	1		< 0.5				
B227	B227-2.5	2.5		< 0.5				
B227	B227-5.0	5		< 0.5				
B228	B228-0.5	0.5		6.46				
B728	B728-0.5	0.5	X	23.8				
B228	B228-1.0	1		< 0.5				
B728	B728-1.0	1	X	< 0.5				
B228	B228-2.5	2.5		2.22				
B728	B728-2.5	2.5	X	4.84				
B228	B228-5.0	5		< 0.5				7.93
B728	B728-5.0	5	X	< 0.5				7.98
B229	B229-0.5	0.5		1.99		<0.05		
B229	B229-1.0	1		< 0.5				
B229	B229-2.5	2.5		< 0.5				
B229	B229-5.0	5		< 0.5				
B230	B230-0.5	0.5		16.2				
B230	B230-1.0	1		1.99				
B230	B230-2.5	2.5		1.06	<0.05			
B230	B230-5.0	5		< 0.5				
B231	B231-0.5	0.5		3.51				
B231	B231-1.0	1		4.20				
B231	B231-2.5	2.5		1.33		<0.05		
B232	B232-0.5	0.5		16.0				
B232	B232-1.0	1		10.9				
B232	B232-2.5	2.5		4.40				8.11
B233	B233-0.5	0.5		22.6				
B233	B233-1.0	1		40.6				6.97
B233	B233-2.5	2.5		23.9				
B234	B234-0.5	0.5		31.2				
B234	B234-1.0	1		7.44		<0.05		

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B234	B234-2.5	2.5		1.18				
B235	B235-0.5	0.5		13.2				
B235	B235-1.0	1		49.5				
B235	B235-2.5	2.5		12.5				
B235	B235-5.0	5		9.86				
B236	B236-0.5	0.5		41.4				
B236	B236-1.0	1		14.5				7.27
B238	B238-0.5	0.5		17.8				
B238	B238-1.0	1		7.65				
B238	B238-2.5	2.5		15.2				
B238	B238-5.0	5		9.41				
B239	B239-0.5	0.5		13.7				
B239	B239-1.0	1		7.32				7.58
B239	B239-2.5	2.5		6.85				
B239	B239-5.0	5		8.39				
B240	B240-0.5	0.5		30.4				
B240	B240-1.0	1		12.0	0.067			6.54
B240	B240-2.5	2.5		13.3				
B240	B240-5.0	5		10.7				
B241	B241-0.5	0.5		82.6	<0.05	<0.05		
B741	B741-0.5	0.5	X	19.1				
B241	B241-1.0	1		10.8				
B741	B741-1.0	1	X	8.53				
B241	B241-2.5	2.5		12.8				6.31
B741	B741-2.5	2.5	X	11.2				6.48
B242	B242-0.5	0.5		12.3				
B242	B242-1.0	1		21.7		<0.05		
B242	B242-2.5	2.5		7.08				6.78
B243	B243-0.5	0.5		42.1				
B243	B243-1.0	1		6.39				
B243	B243-2.5	2.5		19.7				
B243	B243-5.0	5		20.2				
B244	B244-0.5	0.5		17.2				
B244	B244-1.0	1		6.76				
B244	B244-2.5	2.5		22.1				
B244	B244-5.0	5		8.56	0.71			
B245	B245-0.5	0.5		31.4		0.056		
B245	B245-1.0	1		21.1				
B246	B246-0.5	0.5		40.3				
B246	B246-1.0	1		12.1				
B246	B246-2.5	2.5		12.3		<0.05		
B246	B246-5.0	5		7.98	0.062			

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B247	B247-0.5	0.5		12.3				
B247	B247-1.0	1		7.32		<0.05		
B248	B248-0.5	0.5		17.4				
B248	B248-1.0	1		15.4				
B248	B248-2.5	2.5		21.4	1.51			6.75
B248	B248-4.0	4		10.6				
B249	B249-0.5	0.5		19.8				
B249	B249-1.0	1		28.2				7.01
B250	B250-0.5	0.5		31.4				
B250	B250-1.0	1		6.28				7.19
B250	B250-2.5	2.5		4.94				
B250	B250-5.0	5		6.81	<0.05			
B251	B251-0.5	0.5		5.42				
B251	B251-1.0	1		7.83				
B251	B251-2.5	2.5		1.85				6.87
B252	B252-0.5	0.5		< 0.5				
B252	B252-1.0	1		14.8				
B252	B252-2.5	2.5		10.8	0.066			
B252	B252-5.0	5		11.0				
B253	B253-0.5	0.5		10.2				
B753	B753-0.5	0.5	X	8.73				
B253	B253-1.0	1		3.04				
B753	B753-1.0	1	X	3.54				
B253	B253-2.5	2.5		2.37		<0.05		
B753	B753-2.5	2.5	X	4.26				
B253	B253-5.0	5		5.85				
B753	B753-5.0	5	X	5.56				
B254	B254-0.5	0.5		12.0				
B254	B254-1.0	1		6.16				
B254	B254-2.5	2.5		7.97				
B254	B254-5.0	5		7.46				
B255	B255-0.5	0.5		1.58				
B255	B255-1.0	1		8.52		<0.05		
B255	B255-2.5	2.5		1.92				
B255	B255-5.0	5		7.51				
B256	B256-0.5	0.5		17.3	0.727			
B256	B256-1.0	1		9.38				
B256	B256-2.5	2.5		5.20				
B256	B256-5.0	5		3.01				
B257	B257-0.5	0.5		7.34				
B257	B257-1.0	1		5.37				7.29
B257	B257-2.5	2.5		7.54	0.059			

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B257	B257-5.0	5		2.12				
B258	B258-0.5	0.5		7.55				
B258	B258-1.0	1		4.28	0.082			7.52
B258	B258-2.5	2.5		3.19				
B258	B258-5.0	5		3.64				
B259	B259-0.5	0.5		4.97				
B259	B259-1.0	1		22.5				
B259	B259-2.5	2.5		4.00				
B259	B259-5.0	5		5.47				
B260	B260-0.5	0.5		4.83				
B260	B260-1.0	1		5.53				
B260	B260-2.5	2.5		5.08				7.39
B260	B260-5.0	5		5.81				
B261	B261-0.5	0.5		6.29		<0.05		
B261	B261-1.0	1		7.32				
B261	B261-2.5	2.5		3.79				
B261	B261-5.0	5		4.59				
B262	B262-0.5	0.5		10.6				
B762	B762-0.5	0.5	X	5.30				
B262	B262-1.0	1		4.82		<0.05		
B762	B762-1.0	1	X	3.09				
B262	B262-2.5	2.5		4.88				
B762	B762-2.5	2.5	X	5.08				
B262	B262-5.0	5		4.72				
B762	B762-5.0	5	X	4.83				
B263	B263-0.5	0.5		10.8				
B263	B263-1.0	1		4.10				
B263	B263-2.5	2.5		4.79				
B264	B264-0.5	0.5		3.34				
B764	B764-0.5	0.5	X	5.93				
B264	B264-1.0	1		5.49				
B764	B764-1.0	1	X	87.3	<0.05			
B264	B264-2.5	2.5		3.37				
B764	B764-2.5	2.5	X	8.02				
B264	B264-5.0	5		6.78				
B764	B764-5.0	5	X	6.76				
B265	B265-0.5	0.5		6.46		<0.05		
B265	B265-1.0	1		3.40				
B265	B265-2.5	2.5		7.25				
B265	B265-5.0	5		6.30				
B266	B266-0.5	0.5		41.7				
B266	B266-1.0	1		9.05				7.54

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B266	B266-2.5	2.5		16.7				
B266	B266-5.0	5		8.57				
B267	B267-0.5	0.5		16.7		<0.05		
B267	B267-1.0	1		6.77	<0.05			
B267	B267-2.5	2.5		18.6	0.106			
B267	B267-5.0	5		8.43				
B268	B268-0.5	0.5		10.1				
B268	B268-1.0	1		11.3		<0.05		
B268	B268-2.5	2.5		5.29		<0.05		
B268	B268-5.0	5		5.61				
B269	B269-0.5	0.5		90.0	0.92	<0.05		
B269	B269-1.0	1		2.09				
B269	B269-2.5	2.5		< 0.5	<0.05			8.21
B269	B269-5.0	5		5.44				
B270	B270-0.5	0.5		6.83				
B770	B770-0.5	0.5	X	5.27				
B270	B270-1.0	1		9.69				
B770	B770-1.0	1	X	5.24				
B270	B270-2.5	2.5		6.33		<0.05		
B770	B770-2.5	2.5	X	8.61				
B270	B270-5.0	5		7.50				
B770	B770-5.0	5	X	5.77				
B271	B271-0.5	0.5		10.7				
B271	B271-1.0	1		2.71				
B271	B271-2.5	2.5		< 0.5				
B271	B271-5.0	5		8.94				
B272	B272-0.5	0.5		2.38				
B272	B272-1.0	1		< 0.5				
B272	B272-2.5	2.5		10.8		<0.05		
B272	B272-5.0	5		4.22				
B273	B273-0.5	0.5		1.27				
B273	B273-1.0	1		< 0.5				
B273	B273-2.5	2.5		3.83				
B273	B273-5.0	5		7.36		<0.05		
B274	B274-0.5	0.5		45.8				
B774	B774-0.5	0.5	X	40.2				
B274	B274-1.0	1		5.87				
B774	B774-1.0	1	X	4.05				
B274	B274-2.5	2.5		6.29				7.46
B774	B774-2.5	2.5	X	5.64				7.22
B274	B274-5.0	5		7.14				
B774	B774-5.0	5	X	3.40				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
B275	B275-0.5	0.5		23.4				
B775	B775-0.5	0.5	X	179	1.25			
B275	B275-1.0	1		1.39				
B775	B775-1.0	1	X	3.25				
B275	B275-2.5	2.5		2.73				
B775	B775-2.5	2.5	X	1.65				
B275	B275-5.0	5		4.52				
B775	B775-5.0	5	X	4.96				
B276	B276-0.5	0.5		4.76				
B776	B776-0.5	0.5	X	4.15				
B276	B276-1.0	1		0.65				
B776	B776-1.0	1	X	0.604				
B276	B276-2.5	2.5		3.65	0.445			
B776	B776-2.5	2.5	X	4.52				
B276	B276-5.0	5		0.834				8.21
B776	B776-5.0	5	X	< 0.5				8.26
B277	B277-0.5	0.5		< 0.5				
B277	B277-1.0	1		1.04				
B277	B277-2.5	2.5		1.11				
B277	B277-5.0	5		0.991				
B278	B278-0.5	0.5		3.64				
B278	B278-1.0	1		< 0.5		<0.05		
B278	B278-2.5	2.5		< 0.5				
B278	B278-5.0	5		< 0.5				
B279	B279-0.5	0.5		8.65		0.065		
B279	B279-1.0	1		< 0.5				
B279	B279-2.5	2.5		< 0.5		<0.05		
B279	B279-5.0	5		< 0.5		<0.05		
B280	B280-0.5	0.5		4.42				
B280	B280-1.0	1		5.45	0.092			
B280	B280-2.5	2.5		5.12				
B280	B280-5.0	5		< 0.5		<0.05		
B281	B281-0.5	0.5		< 0.5	0.123			
B281	B281-1.0	1		< 0.5	0.102	<0.05		
B281	B281-2.5	2.5		< 0.5				
B281	B281-5.0	5		< 0.5				
B282	B282-0.5	0.5		72.1	1.61	0.134		7.14
B282	B282-1.0	1		< 0.5	0.112			
B282	B282-2.5	2.5		43.6				
C0182	C0182-0.5	0.5		10.6				
C0182	C0182-1.0	1		1.73	0.168	<0.05		
C0182	C0182-2.5	2.5		5.44				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0182	C0182-5.0	5		< 0.5				
C0183	C0183-0.5	0.5		8.83	0.076	<0.05		7.23
C0183	C0183-1.0	1		8.58				
C0183	C0183-2.5	2.5		5.00				7.13
C0183	C0183-5.0	5		< 0.5	0.08	<0.05		
C0184	C0184-0.5	0.5		17.8				
C0184	C0184-1.0	1		6.61				
C0184	C0184-2.5	2.5		7.34				
C0184	C0184-5.0	5		0.616				
C0185	C0185-0.5	0.5		15.7				
C0185	C0185-1.0	1		14.6				
C0185	C0185-2.5	2.5		12.9				8.12
C0185	C0185-5.0	5		11.2				
C0186	C0186-0.5	0.5		11.4				8.08
C0186	C0186-1.0	1		40.0				7.84
C0186	C0186-2.5	2.5		11.3				
C0186	C0186-5.0	5		< 0.5				
C0187	C0187-0.5	0.5		15.7				
C0187	C0187-1.0	1		6.46				
C0187	C0187-2.5	2.5		6.20				
C0187	C0187-5.0	5		5.14				
C0188	C0188-0.5	0.5		25.6				
C0188	C0188-1.0	1		4.15				
C0188	C0188-2.5	2.5		4.50				
C0188	C0188-5.0	5		1.30				
C0189	C0189-0.5	0.5		8.01				
C0189	C0189-1.0	1		0.780				
C0189	C0189-2.0	2		3.79				
C0190	C0190-0.5	0.5		22.7				
C0190	C0190-1.0	1		5.14				
C0190	C0190-2.5	2.5		131	<0.05	<0.05		
C0190	C0190-5.0	5		< 0.5				
C0191	C0191-0.5	0.5		19.8				
C0191	C0191-1.0	1		< 0.5				
C0191	C0191-2.5	2.5		1.33				
C0191	C0191-5.0	5		3.47				
C0192	C0192-0.5	0.5		11.5				7.26
C0192	C0192-1.0	1		12.2				
C0192	C0192-2.5	2.5		5.50				
C0192	C0192-5.0	5		7.16				
C0193	C0193-0.5	0.5		11.7				
C0193	C0193-1.0	1		85.6	<0.05	<0.05		

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0193	C0193-2.5	2.5		5.75				
C0193	C0193-5.0	5		6.75				
C0194	C0194-0.5	0.5		14.2				
C0194	C0194-1.0	1		11.9				7.59
C0194	C0194-2.5	2.5		3.58				
C0194	C0194-5.0	5		11.1				
C0195	C0195-0.5	0.5		5.86				
C0195	C0195-1.0	1		4.82				
C0195	C0195-2.5	2.5		7.32				6.94
C0196	C0196-0.5	0.5		7.84				
C0196	C0196-1.0	1		8.67				
C0196	C0196-2.5	2.5		3.68				
C0196	C0196-5.0	5		2.63				
C0197	C0197-0.5	0.5		11.9				
C0197	C0197-1.0	1		5.82				
C0198	C0198-0.5	0.5		9.68				
C0198	C0198-1.0	1		7.92				7.55
C0198	C0198-2.5	2.5		4.50				
C0198	C0198-5.0	5		4.27				
C0199	C0199-0.5	0.5		10.2				
C0199	C0199-1.0	1		12.3				
C0199	C0199-2.5	2.5		9.38				
C0199	C0199-5.0	5		8.44				
C0200	C0200-0.5	0.5		2.71				
C0200	C0200-1.0	1		1.80				
C0200	C0200-2.5	2.5		14.2				
C0200	C0200-5.0	5		3.26				
C0201	C0201-0.5	0.5		9.48				
C0201	C0201-1.0	1		2.28				7.76
C0201	C0201-2.5	2.5		4.28				
C0201	C0201-5.0	5		5.51				
C0202	C0202-0.5	0.5		11.9				
C0202	C0202-1.0	1		5.12				
C0202	C0202-2.5	2.5		10.9				
C0202	C0202-5.0	5		3.11	0.657	<0.05		
C0203	C0203-0.5	0.5		4.87				
C0203	C0203-1.0	1		8.34				
C0203	C0203-2.5	2.5		1.83	0.077	<0.05		
C0203	C0203-5.0	5		1.81				
C0204	C0204-0.5	0.5		16.8				
C0204	C0204-1.0	1		12.1				
C0204	C0204-2.5	2.5		17.8				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0204	C0204-5.0	5		37.5				
C0205	C0205-0.5	0.5		22.5				
C0205	C0205-1.0	1		4.58				
C0205	C0205-2.5	2.5		5.73				7.90
C0205	C0205-5.0	5		34.2				
C0206	C0206-0.5	0.5		9.09	1.00	<0.05		
C0206	C0206-1.0	1		27.0				
C0206	C0206-2.5	2.5		4.45				
C0206	C0206-5.0	5		2.26	0.084	<0.05		
C0207	C0207-0.5	0.5		13.8				
C0207	C0207-1.0	1		5.26				
C0207	C0207-2.5	2.5		6.45				
C0207	C0207-5.0	5		6.75				
C0208	C0208-0.5	0.5		10.3				
C0208	C0208-1.0	1		10.1	0.223	<0.05		7.62
C0208	C0208-2.5	2.5		13.5				
C0208	C0208-5.0	5		7.67				
C0209	C0209-0.5	0.5		10.1				
C0209	C0209-1.0	1		8.15	0.227	<0.05		
C0210	C0210-0.5	0.5		12.0	0.842	<0.05		
C0210	C0210-1.0	1		6.85	0.237	<0.05		
C0210	C0210-2.5	2.5		6.46				
C0210	C0210-5.0	5		5.97				
C0211	C0211-0.5	0.5		13.4	0.447	0.097		
C0211	C0211-1.0	1		19.3				
C0211	C0211-2.5	2.5		12.0				
C0211	C0211-5.0	5		3.91				
C0212	C0212-0.5	0.5		13.9				
C0212	C0212-1.0	1		6.60				
C0212	C0212-2.5	2.5		7.84				
C0212	C0212-5.0	5		4.61				
C0213	C0213-0.5	0.5		9.88				
C0213	C0213-1.0	1		6.93				
C0213	C0213-2.5	2.5		7.33				
C0213	C0213-5.0	5		8.01				8.11
C0214	C0214-0.5	0.5		5.18				
C0214	C0214-1.0	1		4.85				
C0214	C0214-2.5	2.5		5.29				
C0214	C0214-5.0	5		6.59				
C0215	C0215-0.5	0.5		5.89				
C0215	C0215-1.0	1		5.32				
C0215	C0215-2.5	2.5		6.57				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0215	C0215-5.0	5		26.0	0.074	<0.05		
C0216	C0216-0.5	0.5		6.93	0.757	<0.05		
C0216	C0216-1.0	1		4.56	<0.05	<0.05		
C0216	C0216-2.5	2.5		3.89				
C0216	C0216-5.0	5		6.79				7.70
C0217	C0217-0.5	0.5		5.81				7.82
C0217	C0217-1.0	1		7.18				
C0217	C0217-2.5	2.5		6.16				
C0217	C0217-5.0	5		2.58				
C0218	C0218-0.5	0.5		12.0				
C0218	C0218-1.0	1		3.30				
C0218	C0218-2.5	2.5		3.36				
C0219	C0219-0.5	0.5		4.59				
C0219	C0219-1.0	1		5.10				
C0219	C0219-2.5	2.5		11.4				
C0219	C0219-5.0	5		3.66	0.055	<0.05		
C0220	C0220-0.5	0.5		5.98				
C0220	C0220-1.0	1		3.89				
C0220	C0220-2.5	2.5		8.93				
C0220	C0220-5.0	5		3.06				
C0221	C0221-0.5	0.5		4.96				
C0221	C0221-1.0	1		3.36				
C0221	C0221-2.5	2.5		3.63				
C0221	C0221-5.0	5		4.92				
C0222	C0222-0.5	0.5		3.00				
C1222	C1222-0.5	0.5	X	7.27				
C0222	C0222-1.0	1		4.32				
C1222	C1222-1.0	1	X	4.16				
C0222	C0222-2.5	2.5		4.69				8.18
C1222	C1222-2.5	2.5	X	4.00				8.16
C0222	C0222-5.0	5		3.71				
C1222	C1222-5.0	5	X	2.33				
C0223	C0223-0.5	0.5		3.40				
C0223	C0223-1.0	1		4.53				
C0223	C0223-2.5	2.5		7.12				
C0223	C0223-5.0	5		5.90				
C0224	C0224-0.5	0.5		8.37				7.36
C1224	C1224-0.5	0.5	X	7.82				7.51
C0224	C0224-1.0	1		4.10	0.124	<0.05		
C1224	C1224-1.0	1	X	4.67				
C0224	C0224-2.5	2.5		4.43	0.078	<0.05		
C1224	C1224-2.5	2.5	X	3.64				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0224	C0224-5.0	5		2.32				
C1224	C1224-5.0	5	X	2.49				
C0225	C0225-0.5	0.5		2.76				
C0225	C0225-1.0	1		4.12				
C0225	C0225-2.5	2.5		6.31				7.78
C0225	C0225-5.0	5		11.4				
C0226	C0226-0.5	0.5		14.9				
C0226	C0226-1.0	1		4.13				
C0226	C0226-2.5	2.5		10.9				
C0226	C0226-5.0	5		8.85				
C0227	C0227-0.5	0.5		7.82				
C0227	C0227-1.0	1		4.36				
C0227	C0227-2.5	2.5		3.16				
C0227	C0227-5.0	5		7.28				
C0228	C0228-0.5	0.5		15.3				
C0228	C0228-1.0	1		4.27				
C0228	C0228-2.5	2.5		6.69				
C0228	C0228-5.0	5		6.44				
C0229	C0229-0.5	0.5		18.0				
C0229	C0229-1.0	1		2.90				
C0229	C0229-2.5	2.5		5.06				
C0229	C0229-5.0	5		7.91				
C0230	C0230-0.5	0.5		13.5				
C0230	C0230-1.0	1		3.73				
C0230	C0230-2.5	2.5		11.6				
C0230	C0230-5.0	5		9.47				
C0231	C0231-0.5	0.5		21.8	0.675	<0.05		
C0231	C0231-1.0	1		3.43	0.083	<0.05		
C0231	C0231-2.5	2.5		3.03				
C0231	C0231-5.0	5		6.66				
C0232	C0232-0.5	0.5		11.4				
C0232	C0232-1.0	1		6.94				
C0232	C0232-2.5	2.5		10.1				7.75
C0232	C0232-5.0	5		10.1				
C0233	C0233-0.5	0.5		22.9				
C0233	C0233-1.0	1		4.20				
C0233	C0233-2.5	2.5		4.73				
C0233	C0233-5.0	5		21.2				
C0234	C0234-0.5	0.5		6.72				
C0234	C0234-1.0	1		31.4				
C0234	C0234-2.5	2.5		5.64				
C0234	C0234-5.0	5		8.10				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0235	C0235-0.5	0.5		17.0				7.56
C1235	C1235-0.5	0.5	X	11.9				7.67
C0235	C0235-1.0	1		9.74				
C1235	C1235-1.0	1	X	8.72				
C0235	C0235-2.5	2.5		14.2				
C1235	C1235-2.5	2.5	X	12.4				
C0235	C0235-5.0	5		9.25				
C1235	C1235-5.0	5	X	7.13	0.063	<0.05		
C0236	C0236-0.5	0.5		10.2				
C0236	C0236-1.0	1		8.69	0.133	<0.05		
C0236	C0236-2.5	2.5		4.14	<0.05	<0.05		
C0236	C0236-5.0	5		6.99				
C0237	C0237-0.5	0.5		12.7				
C0237	C0237-1.0	1		9.58				7.84
C0238	C0238-0.5	0.5		13.6				
C0238	C0238-1.0	1		10.1				
C0238	C0238-2.5	2.5		2.39	0.053	<0.05		
C0238	C0238-5.0	5		9.18				
C0239	C0239-0.5	0.5		24.2				
C0239	C0239-1.0	1		2.57				
C0239	C0239-2.5	2.5		2.19				
C0239	C0239-5.0	5		4.99	0.113	<0.05		
C0240	C0240-0.5	0.5		22.2	0.732	<0.05		
C0240	C0240-1.0	1		9.78				
C0240	C0240-2.5	2.5		5.14	0.059	<0.05		
C0240	C0240-5.0	5		5.57				
C0241	C0241-0.5	0.5		10.6				
C1241	C1241-0.5	0.5	X	10.4				
C0241	C0241-1.0	1		35.7				
C1241	C1241-1.0	1	X	22.9				
C0241	C0241-2.5	2.5		11.7				
C1241	C1241-2.5	2.5	X	9.26				
C0241	C0241-5.0	5		5.55				
C1241	C1241-5.0	5	X	6.16				
C0242	C0242-0.5	0.5		21.3				
C0242	C0242-1.0	1		4.30				
C0242	C0242-2.5	2.5		11.3				
C0242	C0242-5.0	5		2.16	<0.05	<0.05		
C0243	C0243-0.5	0.5		12.5				7.77
C0243	C0243-1.0	1		2.43				
C0243	C0243-2.5	2.5		4.99	0.068	<0.05		
C0243	C0243-5.0	5		4.92				

Table 1
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Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0244	C0244-0.5	0.5		7.93				
C0244	C0244-1.0	1		7.60	<0.05	<0.05		
C0244	C0244-2.5	2.5		7.45				
C0244	C0244-5.0	5		6.29				
C0245	C0245-0.5	0.5		16.8				
C0245	C0245-1.0	1		7.46				8.01
C0245	C0245-2.5	2.5		30.2				
C0245	C0245-5.0	5		15.4				
C0246	C0246-0.5	0.5		4.88				
C0246	C0246-1.0	1		6.65				
C0246	C0246-2.5	2.5		1.72				
C0246	C0246-5.0	5		5.52				
C0247	C0247-0.5	0.5		8.94				
C0247	C0247-1.0	1		3.74				
C0248	C0248-0.5	0.5		3.70				
C0248	C0248-1.0	1		3.93	0.10	<0.05		
C0248	C0248-2.5	2.5		30.3				
C0248	C0248-5.0	5		2.00				
C0249	C0249-0.5	0.5		17.2				
C0249	C0249-1.0	1		3.30				
C0249	C0249-2.5	2.5		2.95				
C0249	C0249-5.0	5		2.65				7.66
C0250	C0250-0.5	0.5		20.7				
C1250	C1250-0.5	0.5	X	14.7				
C0250	C0250-1.0	1		2.41				
C1250	C1250-1.0	1	X	7.06				
C0250	C0250-2.5	2.5		2.59				
C1250	C1250-2.5	2.5	X	22.4				
C0250	C0250-5.0	5		3.43				
C1250	C1250-5.0	5	X	3.23				
C0251	C0251-0.5	0.5		5.21				
C0251	C0251-1.0	1		3.00				
C0251	C0251-2.5	2.5		6.31	0.117	<0.05		
C0251	C0251-5.0	5		2.48				
C0252	C0252-0.5	0.5		28.6				
C1252	C1252-0.5	0.5	X	11.7				
C0252	C0252-1.0	1		2.74				
C1252	C1252-1.0	1	X	1.70				
C0252	C0252-2.5	2.5		1.94				
C1252	C1252-2.5	2.5	X	5.33				
C0252	C0252-5.0	5		4.40				
C1252	C1252-5.0	5	X	2.14				

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Sample List
Interstate 15 ELPSE ADL Survey
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Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0253	C0253-0.5	0.5		14.7				
C0253	C0253-1.0	1		2.40				
C0254	C0254-0.5	0.5		15.8				
C0254	C0254-1.0	1		7.82				
C0255	C0255-0.5	0.5		18.1				
C0255	C0255-1.0	1		4.33				
C0255	C0255-2.5	2.5		18.1				
C0255	C0255-5.0	5		3.01				8.76
C0256	C0256-0.5	0.5		17.3	0.242	<0.05		8.72
C0256	C0256-1.0	1		2.57	<0.05	<0.05		
C0256	C0256-2.5	2.5		10.6				
C0256	C0256-5.0	5		1.69				
C0257	C0257-0.5	0.5		40.0	0.072	<0.05		
C0257	C0257-1.0	1		4.07				
C0257	C0257-2.5	2.5		4.04				
C0257	C0257-5.0	5		2.85				
C0258	C0258-0.5	0.5		19.3				
C0258	C0258-1.0	1		2.32				
C0258	C0258-2.5	2.5		1.90				
C0258	C0258-5.0	5		3.50				
C0259	C0259-0.5	0.5		21.5				
C0259	C0259-1.0	1		1.68				
C0259	C0259-2.5	2.5		39.4				
C0259	C0259-5.0	5		2.89				
C0260	C0260-0.5	0.5		25.8				
C0260	C0260-1.0	1		3.20				
C0260	C0260-2.5	2.5		3.36				
C0260	C0260-5.0	5		1.45				8.66
C0261	C0261-0.5	0.5		24.1				
C0261	C0261-1.0	1		7.38				
C0261	C0261-2.5	2.5		4.38	0.095	<0.05		
C0261	C0261-5.0	5		1.77				8.48
C0262	C0262-0.5	0.5		9.97				
C0262	C0262-1.0	1		1.60				
C0262	C0262-2.5	2.5		2.79	0.113	<0.05		
C0262	C0262-5.0	5		2.82				
C0263	C0263-0.5	0.5		5.27				
C1263	C1263-0.5	0.5	X	4.82				
C0263	C0263-1.0	1		1.75				
C1263	C1263-1.0	1	X	1.42				
C0263	C0263-2.5	2.5		1.76				
C1263	C1263-2.5	2.5	X	1.81				

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Interstate 15 ELPSE ADL Survey
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Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0263	C0263-5.0	5		2.69				
C1263	C1263-5.0	5	X	1.62				
C0264	C0264-0.5	0.5		7.36				
C0264	C0264-1.0	1		2.01				
C0264	C0264-2.5	2.5		1.34	<0.05	<0.05		
C0264	C0264-5.0	5		3.14				
C0265	C0265-0.5	0.5		8.16	0.122	<0.05		
C0265	C0265-1.0	1		2.03				
C0265	C0265-2.5	2.5		2.07				
C0265	C0265-5.0	5		1.44	<0.05	<0.05		
C0266	C0266-0.5	0.5		5.75	0.275	<0.05		
C0266	C0266-1.0	1		1.61	<0.05	<0.05		
C0266	C0266-2.5	2.5		1.78				7.70
C0266	C0266-5.0	5		2.49				
C0267	C0267-0.5	0.5		4.96	0.270	<0.05		
C0267	C0267-1.0	1		1.56				
C0267	C0267-2.5	2.5		1.44				
C0267	C0267-5.0	5		2.03				
C0268	C0268-0.5	0.5		781	0.510	<0.05		
C0268	C0268-1.0	1		1.51				
C0268	C0268-2.5	2.5		5.78				
C0268	C0268-5.0	5		4.37				
C0269	C0269-0.5	0.5		1.38				
C0269	C0269-1.0	1		1.60				
C0269	C0269-2.5	2.5		1.40				
C0269	C0269-5.0	5		1.56				
C0270	C0270-0.5	0.5		3.91				
C0270	C0270-1.0	1		1.96				
C0270	C0270-2.5	2.5		3.86				
C0270	C0270-5.0	5		3.24				
C0271	C0271-0.5	0.5		3.65				
C0271	C0271-1.0	1		3.46				
C0271	C0271-2.5	2.5		3.18				
C0271	C0271-5.0	5		4.21				
C0272	C0272-0.5	0.5		7.92				
C1272	C1272-0.5	0.5	X	10.8				
C0272	C0272-1.0	1		2.60				
C1272	C1272-1.0	1	X	3.40				
C0272	C0272-2.5	2.5		2.80				
C1272	C1272-2.5	2.5	X	5.46				
C0272	C0272-5.0	5		4.22				
C1272	C1272-5.0	5	X	12.9				

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Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0273	C0273-0.5	0.5		5.22				
C0273	C0273-1.0	1		4.54				
C0273	C0273-2.5	2.5		5.12				7.24
C0273	C0273-5.0	5		4.53				
C0275	C0275-0.5	0.5		11.2				
C0275	C0275-1.0	1		2.08				7.51
C0275	C0275-2.5	2.5		1.70				
C0275	C0275-5.0	5		1.05				
C0278	C0278-0.5	0.5		9.44				
C0278	C0278-1.0	1		3.82				
C0278	C0278-2.5	2.5		2.87	0.068	<0.05		
C0278	C0278-5.0	5		3.71				
C0280	C0280-0.5	0.5		17.0				
C1280	C1280-0.5	0.5	X	583	0.263	0.139		
C0280	C0280-1.0	1		6.14				
C1280	C1280-1.0	1	X	4.79				
C0280	C0280-2.5	2.5		7.41				
C1280	C1280-2.5	2.5	X	5.51				
C0280	C0280-5.0	5		8.08				
C1280	C1280-5.0	5	X	3.39				
C0282	C0282-0.5	0.5		51.8	3.95	<0.05		
C0282	C0282-1.0	1		3.10				
C0282	C0282-2.5	2.5		2.92				
C0282	C0282-5.0	5		5.44	0.078	<0.05		
C0283	C0283-0.5	0.5		45.2				
C0283	C0283-1.0	1		2.78				
C0283	C0283-2.5	2.5		2.37				
C0283	C0283-5.0	5		3.42	0.173	<0.05		
C0284	C0284-0.5	0.5		14.8				
C0284	C0284-1.0	1		4.98				
C0284	C0284-2.5	2.5		3.42				
C0284	C0284-5.0	5		5.03				
C0285	C0285-0.5	0.5		15.4				
C0285	C0285-1.0	1		5.22	<0.05	<0.05		7.06
C0286	C0286-0.5	0.5		14.7				
C0286	C0286-1.0	1		1.59				
C0286	C0286-2.5	2.5		1.47				
C0286	C0286-5.0	5		1.83				
C0287	C0287-0.5	0.5		4.30				
C0287	C0287-1.0	1		1.73				
C0287	C0287-2.5	2.5		2.32				
C0287	C0287-5.0	5		4.66				

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Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0288	C0288-0.5	0.5		3.89	0.147	<0.05		
C0288	C0288-1.0	1		2.90	<0.05	<0.05		7.54
C0288	C0288-2.5	2.5		3.23				
C0288	C0288-5.0	5		3.0				
C0289	C0289-0.5	0.5		8.6				
C0289	C0289-1.0	1		4.28				
C0289	C0289-2.5	2.5		4.67				
C0289	C0289-5.0	5		5.71				
C0290	C0290-0.5	0.5		13.2				
C0290	C0290-1.0	1		5.07				8.40
C0290	C0290-2.5	2.5		8.63				
C0290	C0290-5.0	5		2.21				
C0291	C0291-0.5	0.5		5.11				
C0291	C0291-1.0	1		3.24				
C0291	C0291-2.5	2.5		3.48				
C0291	C0291-5.0	5		2.27				
C0292	C0292-0.5	0.5		4.24				
C0292	C0292-1.0	1		5.50				
C0292	C0292-2.5	2.5		2.42				
C0292	C0292-5.0	5		2.69				
C0293	C0293-0.5	0.5		5.27				
C1293	C1293-0.5	0.5	X	8.11				
C0293	C0293-1.0	1		2.05				
C1293	C1293-1.0	1	X	2.88				
C0293	C0293-2.5	2.5		1.83	<0.05	<0.05		
C1293	C1293-2.5	2.5	X	1.77				
C0293	C0293-5.0	5		1.63				
C1293	C1293-5.0	5	X	2.77				
C0294	C0294-0.5	0.5		7.14				
C0294	C0294-1.0	1		3.46				
C0294	C0294-2.5	2.5		2.40				
C0294	C0294-5.0	5		2.26				
C0295	C0295-0.5	0.5		5.75				
C0295	C0295-1.0	1		2.53				
C0295	C0295-2.5	2.5		2.36				
C0295	C0295-5.0	5		3.01	<0.05	<0.05		
C0296	C0296-0.5	0.5		48.6				
C0296	C0296-1.0	1		2.13	<0.05	<0.05		
C0296	C0296-2.5	2.5		1.78				7.94
C0296	C0296-5.0	5		2.35				7.56
C0297	C0297-0.5	0.5		6.40				
C0297	C0297-1.0	1		2.88				7.86

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Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0297	C0297-2.5	2.5		3.32				
C0297	C0297-5.0	5		3.62				7.70
C0298	C0298-0.5	0.5		15.1				
C0298	C0298-1.0	1		2.54				
C0298	C0298-2.5	2.5		1.81				
C0298	C0298-3.5	3.5		1.47				
C0299	C0299-0.5	0.5		7.82				
C0299	C0299-1.0	1		1.48				
C0299	C0299-2.5	2.5		1.50				7.04
C0299	C0299-5.0	5		1.33				
C0300	C0300-0.5	0.5		5.37				
C0300	C0300-1.0	1		2.14				
C0300	C0300-2.5	2.5		2.10				
C0300	C0300-5.0	5		1.78				
C0301	C0301-0.5	0.5		4.48				
C1301	C1301-0.5	0.5	X	6.28				
C0301	C0301-1.0	1		4.46	0.182	0.085		
C1301	C1301-1.0	1	X	4.59				
C0301	C0301-2.5	2.5		4.26				
C1301	C1301-2.5	2.5	X	4.46				
C0301	C0301-5.0	5		4.02				
C1301	C1301-5.0	5	X	3.62				
C0302	C0302-0.5	0.5		1.90				
C0302	C0302-1.0	1		2.04				8.20
C0302	C0302-2.5	2.5		3.17				
C0302	C0302-5.0	5		3.43				
C0303	C0303-0.5	0.5		3.44				
C0303	C0303-1.0	1		5.15				
C0303	C0303-2.5	2.5		4.99				
C0303	C0303-5.0	5		4.36				
C0304	C0304-0.5	0.5		65.6	1.15	0.010		
C0304	C0304-1.0	1		5.80				
C0304	C0304-2.5	2.5		5.72				
C0304	C0304-5.0	5		8.32				
C0305	C0305-0.5	0.5		6.64				
C0305	C0305-1.0	1		2.58				
C0305	C0305-2.5	2.5		3.88				
C0305	C0305-5.0	5		2.73				
C0306	C0306-0.5	0.5		21.2				
C0306	C0306-1.0	1		5.14				
C0306	C0306-2.5	2.5		5.84				
C0306	C0306-5.0	5		4.49				

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Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0307	C0307-0.5	0.5		5.38	0.425	<0.05		
C0307	C0307-1.0	1		5.04				
C0307	C0307-2.5	2.5		16.1				
C0307	C0307-5.0	5		2.70				
C0308	C0308-0.5	0.5		17.8				
C0308	C0308-1.0	1		2.91				
C0309	C0309-0.5	0.5		5.30				7.04
C0309	C0309-1.0	1		5.36				7.39
C0309	C0309-2.5	2.5		3.06				
C0309	C0309-4.5	4.5		2.18				
C0310	C0310-0.5	0.5		6.77				
C0310	C0310-1.0	1		6.02				
C0310	C0310-2.5	2.5		7.09	0.117	<0.05		
C0310	C0310-5.0	5		10.3				
C0311	C0311-0.5	0.5		6.78				
C1311	C1311-0.5	0.5	X	5.56				
C0311	C0311-1.0	1		5.33				
C1311	C1311-1.0	1	X	4.22				
C0312	C0312-0.5	0.5		36.9	0.305	<0.05		
C0312	C0312-1.0	1		104	4.62	0.08		
C0312	C0312-2.5	2.5		17.3				
C0312	C0312-3.0	3		3.36				
C0313	C0313-0.5	0.5		6.67				7.33
C1313	C1313-0.5	0.5	X	3.96				7.27
C0313	C0313-1.0	1		7.96				
C1313	C1313-1.0	1	X	3.94				
C0313	C0313-2.5	2.5		3.60				
C1313	C1313-2.5	2.5	X	2.64				
C0313	C0313-5.0	5		4.86	0.064	<0.05		
C1313	C1313-5.0	5	X	5.34				
C0314	C0314-0.5	0.5		8.74				
C0314	C0314-1.0	1		4.39				
C0314	C0314-1.5	1.5		4.94				7.42
C0315	C0315-0.5	0.5		10.8				
C0315	C0315-1.0	1		3.04				
C0315	C0315-2.5	2.5		2.08				
C0316	C0316-0.5	0.5		4.30				
C0316	C0316-1.0	1		4.46				
C0316	C0316-2.5	2.5		4.37				
C0316	C0316-5.0	5		16.7				
C0317	C0317-0.5	0.5		2.84				
C0317	C0317-1.0	1		3.20	<0.05	<0.05		

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0317	C0317-2.5	2.5		1.50				
C0318	C0318-0.5	0.5		6.78				
C0318	C0318-1.0	1		2.05				
C0318	C0318-2.5	2.5		2.64	0.057	<0.05		
C0319	C0319-0.5	0.5		2.21				
C0319	C0319-1.0	1		2.22				
C0319	C0319-2.5	2.5		2.75				
C0319	C0319-5.0	5		< 0.5				
C0320	C0320-0.5	0.5		5.28				
C0320	C0320-1.0	1		1.58				
C0320	C0320-2.5	2.5		1.80				
C0320	C0320-5.0	5		3.26				
C0321	C0321-0.5	0.5		2.39	0.067	<0.05		
C0321	C0321-1.0	1		0.834				
C0321	C0321-2.5	2.5		0.850				
C0321	C0321-5.0	5		0.715				
C0322	C0322-0.5	0.5		6.20				
C0322	C0322-1.0	1		4.64				
C0322	C0322-2.5	2.5		3.70				
C0322	C0322-5.0	5		2.94				
C0323	C0323-0.5	0.5		14.4				
C0323	C0323-1.0	1		4.59				
C0323	C0323-2.5	2.5		29.6				
C0323	C0323-5.0	5		9.37				
C0324	C0324-0.5	0.5		8.94				
C0324	C0324-1.0	1		17.1				
C0324	C0324-2.5	2.5		17.3				
C0324	C0324-5.0	5		12.5				
C0325	C0325-0.5	0.5		61.1	0.514	<0.05		
C0325	C0325-1.0	1		9.42	0.152	<0.05		7.47
C0325	C0325-2.5	2.5		7.81				
C0325	C0325-5.0	5		6.56				
C0326	C0326-0.5	0.5		5.75	0.684	<0.05		
C0326	C0326-1.0	1		5.15				7.06
C0326	C0326-2.5	2.5		5.71				
C0326	C0326-5.0	5		9.82	0.081	<0.05		7.08
C0327	C0327-0.5	0.5		7.41				
C0327	C0327-1.0	1		5.10				
C0327	C0327-2.0	2		8.84				
C0328	C0328-0.5	0.5		23.5				
C1328	C1328-0.5	0.5	X	8.66				
C0328	C0328-1.0	1		15.2	0.175	<0.05		6.89

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C1328	C1328-1.0	1	X	7.79				7.46
C0328	C0328-2.5	2.5		4.98				
C1328	C1328-2.5	2.5	X	8.31				
C0328	C0328-5.0	5		6.46				7.20
C1328	C1328-5.0	5	X	6.19				7.20
C0329	C0329-0.5	0.5		9.72				
C0329	C0329-1.0	1		11.0				
C0329	C0329-2.5	2.5		6.06	0.093	0.064		
C0329	C0329-5.0	5		12.3				
C0330	C0330-0.5	0.5		24.6				
C0330	C0330-1.0	1		12.8				
C0330	C0330-2.5	2.5		7.24				
C0330	C0330-3.0	3		5.73				
C0331	C0331-0.5	0.5		7.59				
C0331	C0331-1.0	1		11.6				7.28
C0331	C0331-2.5	2.5		10.9				
C0331	C0331-5.0	5		10.1				
C0332	C0332-0.5	0.5		10.6				
C0332	C0332-1.0	1		8.39				
C0332	C0332-1.5	1.5		9.66				
C0333	C0333-0.5	0.5		3.77				
C1333	C1333-0.5	0.5	X	22.1				
C0333	C0333-1.0	1		9.58				
C1333	C1333-1.0	1	X	4.38				
C0333	C0333-2.5	2.5		3.99				7.75
C1333	C1333-2.5	2.5	X	4.59				7.43
C0334	C0334-0.5	0.5		51.3	1.66	0.224		
C0334	C0334-1.0	1		4.44				
C0334	C0334-2.5	2.5		2.22				
C0334	C0334-3.5	3.5		1.37				
C0335	C0335-0.5	0.5		35.6				
C0335	C0335-1.0	1		10.0				
C0335	C0335-2.5	2.5		27.5				
C0335	C0335-3.5	3.5		2.97				
C0336	C0336-0.5	0.5		47.9				
C0336	C0336-1.0	1		8.57				
C0336	C0336-2.5	2.5		28.1				
C0336	C0336-5.0	5		13.7				
C0337	C0337-0.5	0.5		7.89				
C0337	C0337-1.0	1		7.96	0.151	<0.05		
C0337	C0337-2.5	2.5		15.3				
C0337	C0337-3.0	3		15.0				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0338	C0338-0.5	0.5		11.2				
C1338	C1338-0.5	0.5	X	18.0				
C0338	C0338-1.0	1		16.4				6.41
C1338	C1338-1.0	1	X	2.55				6.92
C0338	C0338-1.5	1.5		14.7				
C1338	C1338-1.5	1.5	X	9.53				
C0340	C0340-0.5	0.5		42.0				
C0340	C0340-1.0	1		6.66				
C0340	C0340-2.5	2.5		14.4				
C0340	C0340-5.0	5		12.1				
C0341	C0341-0.5	0.5		10.7				
C0341	C0341-1.0	1		11.2				6.60
C0342	C0342-0.5	0.5		22.0				
C0342	C0342-1.0	1		9.17				
C0342	C0342-2.5	2.5		20.2				6.73
C0342	C0342-5.0	5		13.1	0.303	<0.05		
C0343	C0343-0.5	0.5		15.2				
C0343	C0343-1.0	1		12.9				
C0343	C0343-2.5	2.5		16.6				
C0343	C0343-3.5	3.5		7.80				
C0344	C0344-0.5	0.5		8.07				
C0344	C0344-1.0	1		4.48				
C0344	C0344-2.5	2.5		8.03				
C0344	C0344-3.0	3		6.35				
C0345	C0345-0.5	0.5		17.2				
C0345	C0345-1.0	1		7.86				
C0345	C0345-2.5	2.5		12.0				
C0345	C0345-5.0	5		14.2				
C0346	C0346-0.5	0.5		18.8				
C1346	C1346-0.5	0.5	X	17.3				
C0346	C0346-1.0	1		10.4				
C1346	C1346-1.0	1	X	10.8				
C0346	C0346-2.5	2.5		8.39				
C1346	C1346-2.5	2.5	X	8.70				
C0346	C0346-5.0	5		6.72				
C1346	C1346-5.0	5	X	7.66				
C0347	C0347-0.5	0.5		11.1	0.650	<0.05		
C0347	C0347-1.0	1		14.7				
C0347	C0347-5.0	5		14.2	0.369	0.058		
C0348	C0348-0.5	0.5		18.8				
C1348	C1348-0.5	0.5	X	12.2				
C0348	C0348-1.0	1		11.4				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C1348	C1348-1.0	1	X	14.9				
C0348	C0348-2.5	2.5		10.2				
C1348	C1348-2.5	2.5	X	11.2				
C0348	C0348-5.0	5		8.17				
C1348	C1348-5.0	5	X	9.80				
C0349	C0349-0.5	0.5		11.6				
C0349	C0349-1.0	1		9.14				
C0349	C0349-2.5	2.5		6.74				7.68
C0349	C0349-5.0	5		8.88				
C0350	C0350-0.5	0.5		15.1				
C0350	C0350-1.0	1		6.22				
C0350	C0350-2.5	2.5		6.87				
C0350	C0350-5.0	5		5.94				
C0351	C0351-0.5	0.5		4.93				7.72
C0351	C0351-1.0	1		5.00				7.63
C0351	C0351-2.5	2.5		16.8				
C0351	C0351-3.0	3		24.6				
C0352	C0352-0.5	0.5		5.11				
C0352	C0352-1.0	1		13.7				
C0352	C0352-2.5	2.5		13.6				
C0353	C0353-0.5	0.5		7.41				
C0353	C0353-1.0	1		5.11	0.076	<0.05		
C0353	C0353-2.5	2.5		4.75				
C0353	C0353-3.0	3		5.08				
C0354	C0354-0.5	0.5		5.07				
C1354	C1354-0.5	0.5	X	9.33				
C0354	C0354-1.0	1		4.70				
C1354	C1354-1.0	1	X	6.40				
C0354	C0354-2.5	2.5		6.92				
C1354	C1354-2.5	2.5	X	6.24				
C0354	C0354-5.0	5		4.85				
C1354	C1354-5.0	5	X	4.67				
C0355	C0355-0.5	0.5		41.9				
C0355	C0355-1.0	1		4.75				
C0355	C0355-2.5	2.5		4.07				
C0355	C0355-5.0	5		4.79				
C0356	C0356-0.5	0.5		3.48				
C0356	C0356-1.0	1		4.91				
C0356	C0356-2.5	2.5		4.71				
C0356	C0356-5.0	5		5.60				7.51
C0357	C0357-0.5	0.5		6.40				
C0357	C0357-1.0	1		8.71	0.244	<0.05		

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0357	C0357-2.5	2.5		22.2				7.13
C0358	C0358-0.5	0.5		5.61				
C0358	C0358-1.0	1		6.37				
C0358	C0358-2.5	2.5		20.8				
C0359	C0359-0.5	0.5		5.13				7.94
C0359	C0359-1.0	1		5.98				7.68
C0360	C0360-0.5	0.5		10.2				
C0360	C0360-1.0	1		5.09				
C0360	C0360-2.5	2.5		6.20				
C0360	C0360-5.0	5		4.72				
C0361	C0361-0.5	0.5		6.12				
C0361	C0361-1.0	1		5.66				
C0361	C0361-2.5	2.5		6.94				
C0361	C0361-5.0	5		3.98				
C0362	C0362-0.5	0.5		9.90				
C0362	C0362-1.0	1		4.70	0.325	0.063		
C0362	C0362-2.5	2.5		5.74				
C0362	C0362-3.5	3.5		6.66				
C0363	C0363-0.5	0.5		4.89				
C0363	C0363-1.0	1		4.84				
C0363	C0363-2.5	2.5		5.12	0.052	<0.05		
C0363	C0363-5.0	5		6.19				
C0364	C0364-0.5	0.5		9.03				8.45
C1364	C1364-0.5	0.5	X	7.82				8.71
C0364	C0364-1.0	1		11.1				
C1364	C1364-1.0	1	X	8.95				
C0364	C0364-2.5	2.5		9.75				
C1364	C1364-2.5	2.5	X	7.04				
C0364	C0364-5.0	5		7.00	0.069	<0.05		
C1364	C1364-5.0	5	X	9.76				
C0365	C0365-0.5	0.5		11.5				
C0365	C0365-1.0	1		12.7				
C0365	C0365-2.5	2.5		10.7				8.02
C0365	C0365-5.0	5		10.7				
C0366	C0366-0.5	0.5		3.72				
C0366	C0366-1.0	1		4.97				
C0366	C0366-2.5	2.5		6.22				
C0366	C0366-5.0	5		5.51				
C0367	C0367-0.5	0.5		29.9	1.19	0.281		
C0367	C0367-1.0	1		6.32				
C0367	C0367-2.5	2.5		9.87				
C0367	C0367-5.0	5		7.78				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0368	C0368-0.5	0.5		9.14				
C0368	C0368-1.0	1		13.9				
C0368	C0368-2.5	2.5		17.2				7.59
C0368	C0368-3.0	3		14.2				
C0369	C0369-0.5	0.5		3.92				
C0369	C0369-1.0	1		6.71				7.96
C0369	C0369-2.5	2.5		25.0				
C0369	C0369-3.5	3.5		6.31				
C0370	C0370-0.5	0.5		3.77				
C0370	C0370-1.0	1		3.41	<0.05	<0.05		
C0370	C0370-2.5	2.5		3.56				
C0370	C0370-5.0	5		3.04				8.35
C0371	C0371-0.5	0.5		1.64				
C1371	C1371-0.5	0.5	X	20.6				
C0371	C0371-1.0	1		2.06				
C1371	C1371-1.0	1	X	2.40				
C0371	C0371-2.5	2.5		1.94				
C1371	C1371-2.5	2.5	X	2.56				
C0371	C0371-3.5	3.5		1.61				
C1371	C1371-3.5	3.5	X	2.18				
C0372	C0372-0.5	0.5		12.2				
C0372	C0372-1.0	1		3.40				
C0372	C0372-2.5	2.5		< 0.5				
C0372	C0372-3.0	3		1.29	<0.05	<0.05		
C0373	C0373-0.5	0.5		9.08				
C0373	C0373-1.0	1		1.36				
C0373	C0373-2.5	2.5		1.96				
C0373	C0373-5.0	5		1.68				
C0374	C0374-0.5	0.5		14.6				7.98
C0374	C0374-1.0	1		0.956	<0.05	<0.05		
C0374	C0374-2.0	2		1.13	<0.05	<0.05		7.57
C0375	C0375-0.5	0.5		14.8				
C0375	C0375-1.0	1		3.25				
C0375	C0375-2.5	2.5		1.77				
C0375	C0375-5.0	5		1.02				
C0376	C0376-0.5	0.5		7.34				
C0376	C0376-1.0	1		2.86				8.43
C0376	C0376-2.5	2.5		0.716				
C0376	C0376-4.0	4		0.841	<0.05	<0.05		
C0377	C0377-1.0	1		1.76				
C0377	C0377-2.5	2.5		2.95				
C0377	C0377-3.5	3.5		0.516				8.06

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
C0378	C0377-0.5	0.5		9.23				
C0378	C0378-0.5	0.5		12.9	0.67	<0.05		
C0378	C0378-1.0	1		3.01	<0.05	<0.05		
C0378	C0378-2.5	2.5		4.11				
C0378	C0378-5.0	5		2.97				
C0379	C0379-0.5	0.5		16.7				
C0379	C0379-1.0	1		1.23				
C0379	C0379-2.0	2		1.17	<0.05	<0.05		
C0380	C0380-0.5	0.5		4.79				
C0380	C0380-1.0	1		0.682	<0.05	<0.05		
C0380	C0380-2.0	2		1.06				
C0381	C0381-0.5	0.5		7.14				
C0381	C0381-1.0	1		1.38	<0.05	<0.05		
C0381	C0381-2.5	2.5		2.20	<0.05	<0.05		
C0381	C0381-3.5	3.5		1.25				8.32
D0174	D0174-0.5	0.5		2.74				
D1174	D1174-0.5	0.5	X	37.4				
D0174	D0174-1.0	1		2.77				
D1174	D1174-1.0	1	X	2.59				
D0174	D0174-2.5	2.5		2.79				7.34
D1174	D1174-2.5	2.5	X	6.19				7.35
D0174	D0174-5.0	5		2.8				
D1174	D1174-5.0	5	X	3.01				
D0175	D0175-0.5	0.5		0.954				
D0175	D0175-1.0	1		2.35				
D0175	D0175-2.5	2.5		0.799				
D0175	D0175-5.0	5		3.04				
D0176	D0176-0.5	0.5		1.46				
D0176	D0176-1.0	1		0.988				
D0176	D0176-2.5	2.5		3.19				
D0176	D0176-5.0	5		4.21	0.31	<0.05		7.07
D0177	D0177-0.5	0.5		4.57				
D0177	D0177-1.0	1		11.0				
D0177	D0177-2.5	2.5		0.898				
D0177	D0177-5.0	5		0.875				
D0178	D0178-0.5	0.5		4.67				
D0178	D0178-1.0	1		3.41				
D0178	D0178-2.5	2.5		37.3				
D0178	D0178-5.0	5		6.60				
D0179	D0179-0.5	0.5		31.8				
D0179	D0179-1.0	1		4.20				
D0179	D0179-2.5	2.5		5.18				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0179	D0179-5.0	5		5.96				
D0180	D0180-0.5	0.5		4.82				
D0180	D0180-1.0	1		38.8				
D0180	D0180-2.5	2.5		12.5				8.52
D0180	D0180-5.0	5		2.46	<0.05	<0.05		
D0181	D0181-0.5	0.5		4.45				
D0181	D0181-1.0	1		10.4				
D0181	D0181-2.5	2.5		4.31				
D0181	D0181-5.0	5		1.90				
D0182	D0182-0.5	0.5		25.0				7.90
D0182	D0182-1.0	1		7.64				
D0182	D0182-2.5	2.5		66.6	2.29	0.440		8.00
D0182	D0182-5.0	5		6.20				
D0183	D0183-0.5	0.5		27.4				
D0183	D0183-1.0	1		37.8				
D0183	D0183-2.5	2.5		4.15				
D0183	D0183-5.0	5		6.90				
D0184	D0184-0.5	0.5		7.85				
D0184	D0184-1.0	1		7.98	0.057	<0.05		
D0184	D0184-2.5	2.5		49.3				
D0184	D0184-5.0	5		9.08				
D0185	D0185-0.5	0.5		12.0				
D0185	D0185-1.0	1		9.09				
D0185	D0185-2.5	2.5		19.8	0.215	0.052		
D0185	D0185-5.0	5		9.97				
D0186	D0186-0.5	0.5		7.37				8.87
D0186	D0186-1.0	1		6.56				
D0186	D0186-2.5	2.5		5.83				
D0186	D0186-5.0	5		12.8				
D0187	D0187-0.5	0.5		13.5				
D0187	D0187-1.0	1		3.53				
D0187	D0187-2.5	2.5		12.6				
D0187	D0187-5.0	5		6.27				
D0188	D0188-0.5	0.5		6.76				
D0188	D0188-1.0	1		3.82				
D0188	D0188-2.5	2.5		8.76				
D0188	D0188-5.0	5		2.26				
D0189	D0189-0.5	0.5		2.39				
D0189	D0189-1.0	1		4.02	0.096	<0.05		
D0189	D0189-2.5	2.5		4.73				7.25
D0189	D0189-5.0	5		2.66				
D0190	D0190-0.5	0.5		11.1				

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Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0190	D0190-1.0	1		5.48				
D0190	D0190-2.5	2.5		5.59				8.41
D0190	D0190-5.0	5		4.53				
D0191	D0191-0.5	0.5		4.48				
D1191	D1191-0.5	0.5	X	7.08				
D0191	D0191-1.0	1		5.45				
D1191	D1191-1.0	1	X	4.10				
D0191	D0191-2.5	2.5		9.02				
D1191	D1191-2.5	2.5	X	8.16				
D0191	D0191-5.0	5		7.40				
D1191	D1191-5.0	5	X	9.73				
D0192	D0192-0.5	0.5		6.84				
D0192	D0192-1.0	1		22.6				
D0192	D0192-2.5	2.5		7.92				8.44
D0192	D0192-5.0	5		5.91				
D0193	D0193-0.5	0.5		4.81				
D0193	D0193-1.0	1		3.60				
D0193	D0193-2.5	2.5		12.1				
D0193	D0193-5.0	5		2.88				
D0194	D0194-0.5	0.5		2.67				
D0194	D0194-1.0	1		6.97				
D0194	D0194-2.5	2.5		10.3				
D0194	D0194-5.0	5		7.56				
D0195	D0195-0.5	0.5		12.5				
D0195	D0195-1.0	1		7.32				
D0195	D0195-2.5	2.5		1.64				
D0195	D0195-5.0	5		2.41				
D0196	D0196-0.5	0.5		9.41				
D0196	D0196-1.0	1		5.75				
D0196	D0196-2.5	2.5		7.58				
D0196	D0196-5.0	5		3.35				
D0197	D0197-0.5	0.5		8.94				
D0197	D0197-1.0	1		6.44				
D0197	D0197-2.5	2.5		6.17				
D0197	D0197-5.0	5		4.97				8.32
D0198	D0198-0.5	0.5		7.86				
D1198	D1198-0.5	0.5	X	3.94				
D0198	D0198-1.0	1		7.73				
D1198	D1198-1.0	1	X	4.35				
D0198	D0198-2.5	2.5		7.42				
D1198	D1198-2.5	2.5	X	7.48				
D0198	D0198-5.0	5		3.07				7.12

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Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D1198	D1198-5.0	5	X	4.12				7.06
D0199	D0199-0.5	0.5		21.6				
D0199	D0199-1.0	1		7.38				
D0199	D0199-2.5	2.5		12.7				
D0199	D0199-5.0	5		2.96				7.60
D0200	D0200-0.5	0.5		8.21				
D0200	D0200-1.0	1		7.39				
D0200	D0200-2.5	2.5		8.24				7.40
D0200	D0200-5.0	5		9.27				
D0201	D0201-0.5	0.5		21.0	0.654	<0.05		
D0201	D0201-1.0	1		6.65	0.064	<0.05		
D0201	D0201-2.5	2.5		7.34				
D0201	D0201-5.0	5		6.46				
D0202	D0202-0.5	0.5		8.81				
D0202	D0202-1.0	1		1.87	<0.05	<0.05		8.46
D0202	D0202-2.5	2.5		3.16				
D0202	D0202-5.0	5		7.52				
D0203	D0203-0.5	0.5		5.52				
D0203	D0203-1.0	1		5.68				
D0203	D0203-2.5	2.5		11.0				7.71
D0203	D0203-5.0	5		7.56				
D0205	D0205-0.5	0.5		9.03				
D0205	D0205-1.0	1		7.06				
D0205	D0205-2.5	2.5		8.17	0.113	<0.05		
D0205	D0205-5.0	5		6.54				
D0206	D0206-0.5	0.5		11.1				8.29
D0206	D0206-1.0	1		3.31				
D0206	D0206-2.5	2.5		2.88				
D0206	D0206-5.0	5		3.15	0.082	<0.05		
D0207	D0207-0.5	0.5		6.77				
D0207	D0207-1.0	1		12.8				
D0207	D0207-2.5	2.5		4.81				
D0207	D0207-5.0	5		1.93				
D0209	D0209-0.5	0.5		7.86				8.24
D0209	D0209-1.0	1		5.78				
D0209	D0209-2.5	2.5		5.52				
D0209	D0209-5.0	5		7.56				
D0210	D0210-0.5	0.5		9.39				
D0210	D0210-1.0	1		7.13				
D0210	D0210-2.5	2.5		11.5				
D0210	D0210-5.0	5		3.29				
D0211	D0211-0.5	0.5		2.19				

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Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0211	D0211-1.0	1		3.58				
D0211	D0211-2.5	2.5		2.84				
D0211	D0211-5.0	5		4.52				7.58
D0212	D0212-0.5	0.5		12.2				
D0212	D0212-1.0	1		12.0				
D0212	D0212-2.5	2.5		4.28				
D0212	D0212-5.0	5		4.67				
D0213	D0213-0.5	0.5		6.19				
D0213	D0213-1.0	1		5.23				
D0213	D0213-2.5	2.5		4.76				
D0213	D0213-5.0	5		4.33				
D0214	D0214-0.5	0.5		15.3				
D0214	D0214-1.0	1		2.50				
D0214	D0214-2.5	2.5		2.87				
D0214	D0214-5.0	5		3.36				
D0215	D0215-0.5	0.5		2.53				
D0215	D0215-1.0	1		7.57	0.484	<0.05		
D0215	D0215-2.5	2.5		3.04				
D0215	D0215-5.0	5		4.82				
D0216	D0216-0.5	0.5		17.8				
D0216	D0216-1.0	1		3.31				
D0216	D0216-2.5	2.5		2.05				
D0216	D0216-5.0	5		1.94				
D0217	D0217-0.5	0.5		15.0				
D0217	D0217-1.0	1		3.64				
D0217	D0217-2.5	2.5		4.38				
D0217	D0217-5.0	5		6.17				
D0218	D0218-0.5	0.5		12.7				
D0218	D0218-1.0	1		3.70				
D0218	D0218-2.5	2.5		7.75				
D0218	D0218-5.0	5		6.70				
D0219	D0219-0.5	0.5		13.0				6.35
D0219	D0219-1.0	1		5.25				
D0219	D0219-2.5	2.5		7.43				
D0220	D0220-0.5	0.5		8.16				
D0220	D0220-1.0	1		5.63				8.22
D0220	D0220-2.5	2.5		10.2				
D0220	D0220-5.0	5		5.90				
D0221	D0221-0.5	0.5		17.5				
D0221	D0221-1.0	1		10.4				
D0221	D0221-2.5	2.5		14.6				
D0221	D0221-5.0	5		5.33				

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Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0222	D0222-0.5	0.5		14.7				
D0222	D0222-1.0	1		4.31				
D0222	D0222-2.5	2.5		6.84				
D0222	D0222-5.0	5		7.96				
D0223	D0223-0.5	0.5		11.5				
D0223	D0223-1.0	1		8.51				
D0223	D0223-2.5	2.5		7.34				
D0223	D0223-5.0	5		7.36				7.65
D0224	D0224-0.5	0.5		9.68				
D0224	D0224-1.0	1		8.99	0.123	<0.05		
D0224	D0224-2.5	2.5		16.1	0.479	0.26		
D0224	D0224-5.0	5		8.50				
D0225	D0225-0.5	0.5		34.1	2.17	<0.05		
D1225	D1225-0.5	0.5	X	7.35				
D0225	D0225-1.0	1		8.08				
D1225	D1225-1.0	1	X	16.7				
D0225	D0225-2.5	2.5		7.64				
D1225	D1225-2.5	2.5	X	9.00				
D0225	D0225-5.0	5		7.59				
D1225	D1225-5.0	5	X	8.96				
D0226	D0226-0.5	0.5		11.1				
D0226	D0226-1.0	1		6.33				
D0226	D0226-2.5	2.5		6.67				
D0226	D0226-5.0	5		8.84				
D0227	D0227-0.5	0.5		11.6				
D1227	D1227-0.5	0.5	X	18.7				
D0227	D0227-1.0	1		11.7				
D1227	D1227-1.0	1	X	12.7				
D0227	D0227-1.5	1.5		10.7				
D1227	D1227-1.5	1.5	X	11.3				
D0228	D0228-0.5	0.5		16.5	0.639	0.279		7.2
D0228	D0228-1.0	1		10.1				
D0228	D0228-2.0	2		5.13				
D0229	D0229-0.5	0.5		14.6				
D0229	D0229-1.0	1		7.41				
D0229	D0229-1.5	1.5		4.95				8.32
D0230	D0230-0.5	0.5		13.4				7.63
D0230	D0230-1.0	1		7.00				
D0230	D0230-2.5	2.5		10.8				
D0230	D0230-5.0	5		6.92				
D0231	D0231-0.5	0.5		20.0				
D0231	D0231-1.0	1		7.99				

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Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0231	D0231-2.5	2.5		6.36				
D0231	D0231-5.0	5		6.97				
D0232	D0232-0.5	0.5		16.3	0.574	<0.05		
D0232	D0232-1.0	1		6.63	0.138	<0.05		
D0232	D0232-2.5	2.5		6.41				
D0232	D0232-5.0	5		6.06				
D0233	D0233-0.5	0.5		63.2	0.806	<0.05		
D0233	D0233-1.0	1		5.93	0.059	<0.05		
D0233	D0233-2.5	2.5		5.33				
D0233	D0233-4.5	4.5		16.3				
D0234	D0234-0.5	0.5		19.7				
D0234	D0234-1.0	1		2.16				
D0234	D0234-2.5	2.5		2.17				8.23
D0234	D0234-5.0	5		6.62				7.83
D0235	D0235-0.5	0.5		6.73				
D0235	D0235-1.0	1		1.91				
D0235	D0235-2.5	2.5		6.00	0.167	<0.05		
D0235	D0235-3.5	5		5.77	0.095	<0.05		
D0236	D0236-0.5	0.5		27.0				
D0236	D0236-1.0	1		15.8				
D0236	D0236-2.5	2.5		7.86				
D0236	D0236-5.0	5		10.2	0.11	<0.05		
D0237	D0237-0.5	0.5		6.68				
D1237	D1237-0.5	0.5	X	7.80				
D0237	D0237-1.0	1		6.63				
D1237	D1237-1.0	1	X	6.91				
D0237	D0237-2.5	2.5		4.94				
D1237	D1237-2.5	2.5	X	4.49				
D0237	D0237-5.0	5		3.52				7.75
D1237	D1237-5.0	5	X	6.23				8.21
D0238	D0238-0.5	0.5		5.84				
D0238	D0238-1.0	1		6.64				
D0238	D0238-2.5	2.5		5.02				
D0238	D0238-5.0	5		4.86				
D0239	D0239-0.5	0.5		18.9	0.556	<0.05		7.96
D0239	D0239-1.0	1		2.26				
D0239	D0239-2.5	2.5		2.73				
D0239	D0239-5.0	5		2.33				
D0240	D0240-0.5	0.5		20				7.09
D0240	D0240-1.0	1		5.77				
D0240	D0240-2.5	2.5		19.8				
D0240	D0240-5.0	5		17.7				

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D0241	D0241-0.5	0.5		8.59				
D0241	D0241-1.0	1		5.19				
D0241	D0241-2.5	2.5		4.14				
D0241	D0241-5.0	5		9.12				
D0242	D0242-0.5	0.5		105	4.02	0.706		
D0242	D0242-1.0	1		2.92				
D0242	D0242-2.5	2.5		3.22				
D0242	D0242-5.0	5		2.56				
D0243	D0243-0.5	0.5		40.0				
D0243	D0243-1.0	1		1.55				
D0243	D0243-2.5	2.5		17.2				
D0243	D0243-3.0	3		1.98	0.145	<0.05		
D0244	D0244-0.5	0.5		33.4				
D0244	D0244-1.0	1		1.07				
D0244	D0244-2.5	2.5		0.652				
D0244	D0244-5.0	5		0.85				
D0245	D0245-0.5	0.5		37.2				
D0245	D0245-1.0	1		1.88				
D0245	D0245-2.5	2.5		6.39				
D0245	D0245-3.5	3.5		1.68	<0.05	<0.05		
D0246	D0246-0.5	0.5		19.7				
D0246	D0246-1.0	1		2.85				
D0246	D0246-2.5	2.5		2.19				
D0246	D0246-3.5	3.5		2.12				
D0247	D0247-0.5	0.5		96.3	0.452	<0.05		
D1247	D1247-0.5	0.5	X	194	0.356	<0.05		
D0247	D0247-1.0	1		3.23				
D1247	D1247-1.0	1	X	3.15				
D0247	D0247-2.5	2.5		86.8	0.509	<0.05		
D1247	D1247-2.5	2.5	X	48.4				
D0247	D0247-3.5	3.5		4.63				
D1247	D1247-3.5	3.5	X	2.42				
D0248	D0248-0.5	0.5		22.4				
D0248	D0248-1.0	1		1.93				
D0248	D0248-2.5	2.5		6.26				
D0248	D0248-5.0	5		5.76	0.741	<0.05		
D0249	D0249-0.5	0.5		23.2				
D0249	D0249-1.0	1		1.81				
D0249	D0249-2.5	2.5		1.08				
D0249	D0249-5.0	5		5.12				
D0250	D0250-0.5	0.5		86.2	0.302	<0.05		
D0250	D0250-1.0	1		2.07				

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Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0250	D0250-2.5	2.5		103	0.306	<0.05		
D0250	D0250-5.0	5		36.3	1.02	<0.05		
D0251	D0251-0.5	0.5		11.7				
D0251	D0251-1.0	1		2.24	<0.05	<0.05		
D0251	D0251-2.5	2.5		6.05				
D0251	D0251-5.0	5		1.59				
D0252	D0252-0.5	0.5		22.6				
D0252	D0252-1.0	1		2.05				
D0252	D0252-2.5	2.5		2.62				
D0252	D0252-5.0	5		7.42				
D0253	D0253-0.5	0.5		100	0.761	<0.05		
D0253	D0253-1.0	1		2.40				
D0253	D0253-2.5	2.5		53.0	1.25	<0.05		
D0253	D0253-5.0	5		3.44				
D0254	D0254-0.5	0.5		68.6	7	<0.05	0.018	7.8
D0254	D0254-1.0	1		1.65				
D0254	D0254-2.5	2.5		30.3				
D0254	D0254-5.0	5		5.2				
D0255	D0255-0.5	0.5		174	0.817	<0.05		
D0255	D0255-1.0	1		1.47				
D0255	D0255-2.5	2.5		1.91				
D0255	D0255-5.0	5		17.2				
D0256	D0256-0.5	0.5		148	1.03	<0.05		
D0256	D0256-1.0	1		1.94	<0.05	<0.05		
D0256	D0256-2.5	2.5		101	1.37	<0.05		
D0256	D0256-5.0	5		4.08				
D0257	D0257-0.5	0.5		1.83				
D0257	D0257-1.0	1		1.45				
D0257	D0257-2.5	2.5		28.5				
D0257	D0257-5.0	5		6.05				
D0258	D0258-0.5	0.5		31.9				
D0258	D0258-1.0	1		3.50				7.51
D0258	D0258-2.5	2.5		2.52				
D0258	D0258-5.0	5		2.75				
D0259	D0259-0.5	0.5		49.1	2.32	0.127		
D0259	D0259-1.0	1		1.51				
D0259	D0259-2.5	2.5		0.900	<0.05	<0.05		
D0259	D0259-5.0	5		2.20				
D0260	D0260-0.5	0.5		135	0.830	<0.05		
D1260	D1260-0.5	0.5	X	73.7	0.591	<0.05		
D0260	D0260-1.0	1		2.85	0.107	<0.05		
D1260	D1260-1.0	1	X	1.68				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0260	D0260-2.5	2.5		1.45				
D1260	D1260-2.5	2.5	X	1.47				
D0260	D0260-5.0	5		3.89				
D1260	D1260-5.0	5	X	6.06				
D0261	D0261-0.5	0.5		18.8				
D0261	D0261-1.0	1		4.97	0.131	<0.05		
D0261	D0261-2.5	2.5		3.47	0.076	<0.05		
D0261	D0261-5.0	5		4.40				
D0262	D0262-0.5	0.5		80.4	2.52	0.051		
D0262	D0262-1.0	1		3.14				
D0262	D0262-2.5	2.5		2.86	<0.05	<0.05		
D0262	D0262-5.0	5		10.2				
D0264	D0264-0.5	0.5		72.8	6.04	<0.05	0.038	
D0264	D0264-1.0	1		5.19				
D0264	D0264-2.5	2.5		3.46				
D0264	D0264-5.0	5		11.3				
D0266	D0266-0.5	0.5		172	1.18	<0.05		
D0266	D0266-1.0	1		4.15				
D0266	D0266-2.5	2.5		4.95				
D0266	D0266-5.0	5		18.7				
D0270	D0270-0.5	0.5		34.5				
D0270	D0270-1.0	1		4.88				
D0270	D0270-2.5	2.5		5.76				
D0270	D0270-5.0	5		8.42				8.45
D0272	D0272-0.5	0.5		105	1.71	0.056		
D0272	D0272-1.0	1		2.90				
D0272	D0272-2.5	2.5		2.34				
D0272	D0272-5.0	5		61.0	5.59	<0.05	0.02	
D0273	D0273-0.5	0.5		3.04				
D0273	D0273-1.0	1		2.92				
D0273	D0273-2.5	2.5		2.02				
D0274	D0274-0.5	0.5		1.81				
D0274	D0274-1.0	1		2.95				
D0274	D0274-2.5	2.5		1.54				
D0274	D0274-5.0	5		3.61				
D0275	D0275-0.5	0.5		2.07	<0.05	<0.05		
D0275	D0275-1.0	1		1.76				
D0275	D0275-2.5	2.5		2.40				
D0275	D0275-5.0	5		1.73				
D0276	D0276-0.5	0.5		4.38				
D0276	D0276-1.0	1		5.16				
D0276	D0276-2.5	2.5		4.91				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0276	D0276-5.0	5		9.15	0.134	<0.05		
D0277	D0277-0.5	0.5		2.84	<0.05	<0.05		
D0277	D0277-1.0	1		3.00				
D0277	D0277-2.5	2.5		1.74				
D0277	D0277-5.0	5		1.76				
D0278	D0278-0.5	0.5		12.8				
D0278	D0278-1.0	1		1.45				
D0278	D0278-2.5	2.5		1.28	<0.05	<0.05		
D0278	D0278-5.0	5		1.19				7.12
D0279	D0279-0.5	0.5		12.3				
D0279	D0279-1.0	1		2.92				
D0279	D0279-2.5	2.5		3.18				
D0279	D0279-5.0	5		6.77				
D0280	D0280-0.5	0.5		21.0				7.10
D0280	D0280-1.0	1		1.52				
D0280	D0280-2.5	2.5		1.13				
D0280	D0280-5.0	5		1.07				
D0281	D0281-0.5	0.5		8.63				
D0281	D0281-1.0	1		2.19				
D0281	D0281-2.5	2.5		2.77				
D0281	D0281-5.0	5		3.68				
D0282	D0282-0.5	0.5		1.95				
D0282	D0282-1.0	1		1.89				
D0282	D0282-2.5	2.5		2.73				
D0282	D0282-5.0	5		1.96	<0.05	<0.05		
D0283	D0283-0.5	0.5		13.0				7.28
D0283	D0283-1.0	1		1.82				
D0283	D0283-2.5	2.5		3.02	<0.05	<0.05		
D0283	D0283-5.0	5		3.04	0.089	<0.05		
D0284	D0284-0.5	0.5		4.74				
D0284	D0284-1.0	1		4.37				
D0284	D0284-2.5	2.5		2.60				
D0285	D0285-0.5	0.5		2.49				
D0285	D0285-1.0	1		3.24	<0.05	<0.05		
D0285	D0285-2.5	2.5		4.51				
D0285	D0285-5.0	5		6.15				
D0286	D0286-0.5	0.5		2.38	0.086	0.063		
D0286	D0286-1.0	1		3.49	<0.05	<0.05		
D0286	D0286-2.5	2.5		3.35				7.43
D0286	D0286-5.0	5		4.21				
D0287	D0287-0.5	0.5		2.56				
D0287	D0287-1.0	1		4.20				7.36

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0287	D0287-2.5	2.5		1.55				
D0287	D0287-5.0	5		4.02				
D0288	D0288-0.5	0.5		2.84				
D0288	D0288-1.0	1		2.70				
D0288	D0288-2.5	2.5		1.83				
D0288	D0288-5.0	5		1.88				
D0289	D0289-0.5	0.5		1.88				
D0289	D0289-1.0	1		2.12				
D0289	D0289-2.5	2.5		2.63				6.93
D0289	D0289-5.0	5		2.47				
D0290	D0290-0.5	0.5		1.89				
D0290	D0290-1.0	1		2.76	<0.05	<0.05		
D0290	D0290-2.5	2.5		2.79				
D0290	D0290-5.0	5		2.97				7.31
D0291	D0291-0.5	0.5		2.50				
D1291	D1291-0.5	0.5	X	24.6				
D0291	D0291-1.0	1		2.31				
D1291	D1291-1.0	1	X	2.06				
D0291	D0291-2.5	2.5		2.34	<0.05	<0.05		
D1291	D1291-2.5	2.5	X	2.06				
D0291	D0291-5.0	5		2.05	<0.05	<0.05		7.25
D1291	D1291-5.0	5	X	2.23				7.41
D0292	D0292-0.5	0.5		13.6				
D0292	D0292-1.0	1		3.98				
D0292	D0292-2.5	2.5		3.96				
D0292	D0292-5.0	5		3.00				8.30
D0293	D0293-0.5	0.5		14.2				
D0293	D0293-1.0	1		4.09				
D0293	D0293-2.5	2.5		1.63				
D0293	D0293-5.0	5		2.00				
D0294	D0294-0.5	0.5		18.7				
D0294	D0294-1.0	1		2.78				
D0294	D0294-2.5	2.5		1.89				
D0294	D0294-5.0	5		1.99				
D0295	D0295-0.5	0.5		26.9				
D0295	D0295-1.0	1		4.57	0.065	0.063		
D0295	D0295-2.5	2.5		3.95				
D0295	D0295-5.0	5		5.11				
D0296	D0296-0.5	0.5		9.20				
D0296	D0296-1.0	1		3.01				
D0296	D0296-2.5	2.5		3.72				
D0296	D0296-5.0	5		5.03				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0297	D0297-0.5	0.5		19.8	0.489	0.063		
D0297	D0297-1.0	1		4.32				
D0297	D0297-2.5	2.5		2.60				8.08
D0297	D0297-5.0	5		3.05				
D0298	D0298-0.5	0.5		2.76				
D1298	D1298-0.5	0.5	X	13.7				
D0298	D0298-1.0	1		5.49				
D1298	D1298-1.0	1	X	5.56				
D0298	D0298-2.5	2.5		5.26				
D1298	D1298-2.5	2.5	X	4.67				
D0298	D0298-5.0	5		5.55				
D1298	D1298-5.0	5	X	5.58				
D0299	D0299-0.5	0.5		36.0				
D0299	D0299-1.0	1		3.84				
D0299	D0299-2.5	2.5		4.61				8.16
D0300	D0300-0.5	0.5		42.2				
D0300	D0300-1.0	1		2.80				
D0300	D0300-2.5	2.5		5.44				
D0300	D0300-5.0	5		4.80				
D0301	D0301-0.5	0.5		3.35				
D0301	D0301-1.0	1		2.62				
D0301	D0301-2.5	2.5		2.54				
D0301	D0301-5.0	5		2.94				
D0302	D0302-0.5	0.5		15.0				
D0302	D0302-1.0	1		4.03				
D0302	D0302-2.5	2.5		< 0.5	<0.05	<0.05		
D0302	D0302-5.0	5		< 0.5				
D0303	D0303-0.5	0.5		3.31				6.97
D0303	D0303-0.5	1		4.01				
D0303	D0303-2.5	2.5		4.01				
D0303	D0303-5.0	5		4.18	0.141	<0.05		
D0304	D0304-0.5	0.5		6.11				
D0304	D0304-1.0	1		4.23				
D0304	D0304-2.5	2.5		4.87				
D0304	D0304-5.0	5		0.629				
D0305	D0305-0.5	0.5		15.3				
D0305	D0305-1.0	1		< 0.5				
D0305	D0305-2.5	2.5		< 0.5				
D0307	D0307-0.5	0.5		14.8	0.116	0.072		7.02
D0307	D0307-1.0	1		2.32				
D0307	D0307-2.5	2.5		3.19				
D0308	D0308-0.5	0.5		4.12				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0308	D0308-1.0	1		3.95				
D0308	D0308-2.5	2.5		3.63				
D0309	D0309-0.5	0.5		2.04				
D0309	D0309-1.0	1		3.43				
D0309	D0309-2.5	2.5		2.94				7.19
D0309	D0309-5.0	5		3.96				
D0310	D0310-0.5	0.5		0.661				
D0310	D0310-1.0	1		2.40				
D0310	D0310-2.5	2.5		1.86				
D0311	D0311-0.5	0.5		15.6				
D0311	D0311-1.0	1		3.61				
D0311	D0311-2.5	2.5		< 0.5				
D0311	D0311-5.0	5		< 0.5				
D0312	D0312-0.5	0.5		8.64				
D0312	D0312-1.0	1		0.652				
D0312	D0312-2.5	2.5		0.544				
D0312	D0312-5.0	5		0.706				
D0313	D0313-0.5	0.5		6.78	0.35	<0.05		
D0313	D0313-1.0	1		1.51				8.18
D0314	D0314-0.5	0.5		12.6				
D0314	D0314-1.0	1		9.12				
D0315	D0315-0.5	0.5		10.7				
D1315	D1315-0.5	0.5	X	6.92				
D0315	D0315-1.0	1		8.22				
D1315	D1315-1.0	1	X	9.90				
D0315	D0315-2.5	2.5		7.38	0.177	<0.05		8.03
D1315	D1315-2.5	2.5	X	8.45				7.78
D0315	D0315-5.0	5		11.0				
D1315	D1315-5.0	5	X	5.54				
D0316	D0316-0.5	0.5		12.8				
D0316	D0316-1.0	1		12.4				7.76
D0316	D0316-2.5	2.5		5.84				
D0316	D0316-5.0	5		8.67				
D0317	D0317-0.5	0.5		12.6				
D0317	D0317-1.0	1		5.57	0.085	0.066		
D0317	D0317-2.5	2.5		4.90				
D0317	D0317-5.0	5		5.74	0.133	0.067		
D0318	D0318-0.5	0.5		11.1	0.347	0.252		7.08
D0318	D0318-1.0	1		9.89	0.128	0.107		
D0318	D0318-2.5	2.5		7.09				
D0318	D0318-5.0	5		28.3				
D0319	D0319-0.5	0.5		5.89				7.08

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0319	D0319-1.0	1		8.73				
D0319	D0319-2.5	2.5		9.12				
D0319	D0319-5.0	5		7.89				
D0320	D0320-0.5	0.5		15.0				
D0320	D0320-1.0	1		15.7				
D0320	D0320-2.5	2.5		8.58				
D0320	D0320-5.0	5		41.2				7.24
D0321	D0321-0.5	0.5		13.3				
D1321	D1321-0.5	0.5	X	5.71				
D0321	D0321-1.0	1		6.77	0.076	<0.05		
D1321	D1321-1.0	1	X	5.48				
D0321	D0321-2.5	2.5		5.89				
D1321	D1321-2.5	2.5	X	4.54				
D0321	D0321-5.0	5		36.6				
D1321	D1321-5.0	5	X	4.02				
D0322	D0322-0.5	0.5		6.53				
D0322	D0322-1.0	1		6.66	0.196	<0.05		
D0322	D0322-2.5	2.5		7.46				
D0322	D0322-5.0	5		7.42				
D0323	D0323-0.5	0.5		14.7				
D0323	D0323-1.0	1		10.8				
D0323	D0323-2.5	2.5		10.3				
D0323	D0323-5.0	5		5.40				
D0324	D0324-0.5	0.5		11.7				
D0324	D0324-1.0	1		12.3				7.49
D0324	D0324-2.5	2.5		5.88				
D0325	D0325-0.5	0.5		11.3				
D0325	D0325-1.0	1		36.9				
D0325	D0325-2.5	2.5		9.29				
D0326	D0326-0.5	0.5		23.0				7.53
D0326	D0326-1.0	1		21.6				
D0326	D0326-2.5	2.5		28.0				
D0327	D0327-0.5	0.5		49.8				
D0327	D0327-1.0	1		10.8				
D0327	D0327-2.5	2.5		23.2	0.648	<0.05		
D0327	D0327-4.0	4		5.70				7.83
D0328	D0328-0.5	0.5		20.0				
D0328	D0328-1.0	1		13.2				
D0328	D0328-2.5	2.5		6.26				7.92
D0328	D0328-4.5	4.5		9.17				
D0329	D0329-0.5	0.5		10.6				
D0329	D0329-1.0	1		7.40				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0329	D0329-2.5	2.5		12.9				7.82
D0329	D0329-4.0	4		14.3				
D0330	D0330-0.5	0.5		13.3	0.361	0.112		
D0330	D0330-1.0	1		16.9				
D0330	D0330-2.5	2.5		5.30				
D0330	D0330-3.0	3		5.51				
D0331	D0331-0.5	0.5		10.3	0.324	<0.05		
D0331	D0331-1.0	1		30.7	0.52	0.076		
D0331	D0331-2.5	2.5		17.6				
D0331	D0331-5.0	5		22.4				
D0332	D0332-0.5	0.5		11.2				
D0332	D0332-1.0	1		7.59				
D0332	D0332-2.5	2.5		14.8				
D0332	D0332-5.0	5		30.9				
D0333	D0333-0.5	0.5		12.8				
D0333	D0333-1.0	1		11.7				7.12
D0333	D0333-2.5	2.5		13.7				
D0333	D0333-5.0	5		8.20				
D0334	D0334-0.5	0.5		7.00				
D1334	D1334-0.5	0.5	X	4.39				
D0334	D0334-1.0	1		5.10				
D1334	D1334-1.0	1	X	4.61				
D1334	D1334-1.5	1.5	X	16.1				
D0334	D0334-1.5	2.5		3.56				
D0335	D0335-0.5	0.5		32.6				
D0335	D0335-1.0	1		13.0				
D0335	D0335-2.0	2.5		10.7				
D0336	D0336-0.5	0.5		10.8	0.235	<0.05		
D0336	D0336-1.0	1		6.36				
D0336	D0336-2.5	2.5		12.6				7.29
D0336	D0336-3.5	3.5		47.1				7.18
D0337	D0337-0.5	0.5		13.9				
D0337	D0337-1.0	1		12.3				
D0337	D0337-2.5	2.5		14.7				
D0337	D0337-5.0	5		5.68				
D0338	D0338-0.5	0.5		9.42				
D0338	D0338-1.0	1		12.3				
D0338	D0338-2.5	2.5		11.2				7.83
D0338	D0338-5.0	5		8.24				
D0339	D0339-0.5	0.5		25.6				
D0339	D0339-1.0	1		5.71				
D0339	D0339-2.5	2.5		6.30				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0339	D0339-5.0	5		12.4				
D0340	D0340-0.5	0.5		9.32				
D0340	D0340-1.0	1		9.00				7.88
D0340	D0340-2.5	2.5		6.64				
D0340	D0340-5.0	5		6.83				
D0341	D0341-0.5	0.5		21.4				
D0341	D0341-1.0	1		9.41				
D0341	D0341-2.5	2.5		9.70				8.04
D0341	D0341-5.0	5		7.83				7.85
D0342	D0342-0.5	0.5		10.0				
D0342	D0342-1.0	1		8.05				
D0342	D0342-2.5	2.5		6.13	0.093	0.07		
D0342	D0342-5.0	5		8.65	0.088	0.074		
D0343	D0343-0.5	0.5		2.29				7.17
D1343	D1343-0.5	0.5	X	3.56				7.35
D0343	D0343-1.0	1		9.54				
D1343	D1343-1.0	1	X	7.38				
D0343	D0343-2.5	2.5		16.8				
D1343	D1343-2.5	2.5	X	5.03				
D0343	D0343-5.0	5		5.18				8.02
D1343	D1343-5.0	5	X	11.0				7.97
D0344	D0344-0.5	0.5		7.22				
D0344	D0344-1.0	1		6.69				
D0344	D0344-2.5	2.5		5.74				
D0344	D0344-5.0	5		5.63				
D0345	D0345-0.5	0.5		11.2				
D0345	D0345-1.0	1		12.8				
D0345	D0345-2.5	2.5		5.78				
D0345	D0345-5.0	5		5.51				
D0346	D0346-0.5	0.5		7.43	0.351	<0.05		
D0346	D0346-1.0	1		5.56				
D0346	D0346-2.5	2.5		3.65				
D0346	D0346-5.0	5		6.33				
D0347	D0347-0.5	0.5		12.4				
D0347	D0347-1.0	1		5.71				
D0347	D0347-2.5	2.5		8.31				
D0347	D0347-5.0	5		5.74				
D0348	D0348-0.5	0.5		8.46				6.85
D0348	D0348-1.0	1		6.58	0.124	0.078		
D0348	D0348-2.5	2.5		6.16				
D0348	D0348-5.0	5		3.65				
D0349	D0349-0.5	0.5		8.44				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0349	D0349-1.0	1		5.14				
D0349	D0349-2.5	2.5		5.00				
D0349	D0349-5.0	5		4.01				
D0350	D0350-0.5	0.5		7.08				
D0350	D0350-1.0	1		9.07				
D0350	D0350-2.5	2.5		3.76				
D0350	D0350-5.0	5		5.01				
D0351	D0351-0.5	0.5		8.74	0.125	0.051		
D0351	D0351-1.0	1		8.28				
D0351	D0351-2.5	2.5		7.20				
D0351	D0351-5.0	5		5.90				
D0352	D0352-0.5	0.5		23.0				
D0352	D0352-1.0	1		6.30				
D0352	D0352-2.5	2.5		5.33				
D0352	D0352-5.0	5		7.30	<0.05	<0.05		
D0353	D0353-0.5	0.5		19.1				
D0353	D0353-1.0	1		7.75				
D0353	D0353-2.5	2.5		7.67				7.60
D0353	D0353-5.0	5		8.78				
D0354	D0354-0.5	0.5		11.5				
D0354	D0354-1.0	1		4.73				
D0354	D0354-2.5	2.5		8.32	0.118	<0.05		
D0354	D0354-5.0	5		8.63				
D0355	D0355-0.5	0.5		16.7				
D0355	D0355-1.0	1		2.84				
D0355	D0355-2.5	2.5		1.98				8.37
D0355	D0355-5.0	5		1.17				
D0356	D0356-0.5	0.5		21.4				9.48
D0356	D0356-1.0	1		3.14				
D0356	D0356-2.5	2.5		12.0				
D0356	D0356-5.0	5		6.35				
D0357	D0357-0.5	0.5		23.4				
D0357	D0357-1.0	1		5.58				
D0357	D0357-2.5	2.5		3.25				
D0357	D0357-5.0	5		4.49				
D0358	D0358-0.5	0.5		18.8				
D0358	D0358-1.0	1		5.07				
D0358	D0358-2.5	2.5		5.62				
D0358	D0358-4.0	4		3.40				7.84
D0359	D0359-0.5	0.5		6.31	0.354	0.100		
D0359	D0359-1.0	1		2.16				
D0359	D0359-2.5	2.5		1.25				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0359	D0359-5.0	5		3.79				
D0360	D0360-0.5	0.5		11.8				
D0360	D0360-1.0	1		5.38				
D0360	D0360-2.5	2.5		0.652	0.127	0.045		
D0360	D0360-5.0	5		1.10				
D0361	D0361-0.5	0.5		15.6				
D0361	D0361-1.0	1		1.60				
D0361	D0361-2.5	2.5		< 0.5				8.47
D0361	D0361-5.0	5		< 0.5	<0.05	<0.05		
D0362	D0362-0.5	0.5		0.739				
D0362	D0362-1.0	1		< 0.5				
D0362	D0362-2.5	2.5		< 0.5				
D0362	D0362-4.0	4		< 0.5	<0.05	<0.05		
D0363	D0363-0.5	0.5		16.6				8.92
D1363	D1363-0.5	0.5	X	22.8				7.46
D0363	D0363-1.0	1		< 0.5				
D1363	D1363-1.0	1	X	< 0.5				
D0363	D0363-2.5	2.5		< 0.5				
D1363	D1363-2.5	2.5	X	< 0.5				
D0363	D0363-5.0	5		< 0.5				8.88
D1363	D1363-5.0	5	X	< 0.5				9.01
D0364	D0364-0.5	0.5		6.02	0.05	<0.05		
D0364	D0364-1.0	1		< 0.5				
D0364	D0364-2.5	2.5		2.84				
D0364	D0364-5.0	5		4.25				
D0365	D0365-0.5	0.5		79.9	3.19	0.070		
D0365	D0365-1.0	1		< 0.5				8.80
D0365	D0365-2.5	2.5		< 0.5				
D0365	D0365-5.0	5		9.72				
D0366	D0366-0.5	0.5		4.64				
D0366	D0366-1.0	1		3.17				
D0366	D0366-2.5	2.5		6.08				
D0366	D0366-5.0	5		3.20				
D0367	D0367-0.5	0.5		98.5	5.28	1.14		
D0367	D0367-1.0	1		< 0.5				
D0367	D0367-2.5	2.5		32.2				
D0368	D0368-0.5	0.5		33.7				
D0368	D0368-1.0	1		1.34				
D0368	D0368-2.5	2.5		0.635	0.062	<0.05		
D0368	D0368-5.0	5		< 0.5				
D0369	D0369-0.5	0.5		11.8				
D0369	D0369-1.0	1		2.62				

Table 1
Sample List
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Location	Sample Name	Depth (feet)	Duplicate	TTLC Lead (mg/kg)	WET-CA (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	pH
D0369	D0369-2.5	2.5		12.3				
D0369	D0369-5.0	5		0.549				
D0370	D0370-0.5	0.5		132	5.88	0.198		
D0370	D0370-1.0	1		4.36				
D0370	D0370-2.5	2.5		5.73				
D0371	D0371-0.5	0.5		31.5				
D0371	D0371-1.0	1		13.1				
D0371	D0371-2.5	2.5		6.23				
D0372	D0372-0.5	0.5		48.8				
D0372	D0372-1.0	1		3.67				
D0372	D0372-2.5	2.5		8.71				
D0372	D0372-3.0	3		8.45				

Notes:

TTLC = Total Threshold Limit Concentration

WET-CA = California Waste Extraction Test using citric acid as the leaching agent

WET-DI = California Waste Extraction Test using deionized water as the leaching agent

TCLP = Toxicity Characteristic Leaching procedure

mg/kg = milligrams per kilogram

mg/l = miligrams per liter

Table 2
Relative Percent Differences
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Boring ID	Sample ID	Total Lead		
		Primary Sample (mg/kg)	Duplicate Sample (mg/kg)	RPD
A128	A128-0.5	41.3	36.0	14
A128	A128-1.0	5.85	5.62	4
A128	A128-2.5	2.20	1.82	19
A128	A128-5.0	1.09	1.14	4
A148	A148-0.5	41.8	45.0	7
A148	A148-1.0	2.60	2.52	3
A148	A148-2.5	6.04	16.5	93
A148	A148-5.0	1.44	3.95	93
A149	A149-0.5	126	38.7	**106**
A149	A149-1.0	1.10	7.83	**151**
A149	A149-2.5	2.39	1.61	39
A160	A160-0.5	102	132	26
A160	A160-1.0	7.90	4.56	54
A160	A160-2.5	4.60	5.72	22
A172	A172-0.5	2.05	19.7	**162**
A172	A172-1.0	2.31	7.44	**105**
A172	A172-2.5	16.2	1.19	**173**
A172	A172-5.0	2.21	1.32	50
A175	A175-0.5	27.6	34.1	21
A175	A175-1.0	1.63	2.03	22
A175	A175-2.5	1.71	2.31	30
A175	A175-5.0	1.96	3.56	58
A178	A178-0.5	40.4	35.1	14
A178	A178-1.0	1.07	0.844	24
A178	A178-2.5	2.15	1.14	61
A178	A178-5.0	1.57	0.730	73
A190	A190-0.5	38.6	24.9	43
A190	A190-1.0	5.75	4.00	36
A190	A190-2.5	2.94	2.46	18
A194	A194-0.5	72.0	54.3	28
A194	A194-1.0	4.22	5.96	34
A194	A194-2.5	5.48	4.11	29
A194	A194-5.0	5.03	6.11	19
A203	A203-0.5	7.80	43.2	**139**
A203	A203-1.0	2.17	1.79	19
A203	A203-2.5	3.37	12.7	**116**
A203	A203-5.0	2.38	2.30	3

Table 2
Relative Percent Differences
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Boring ID	Sample ID	Total Lead		
		Primary Sample (mg/kg)	Duplicate Sample (mg/kg)	RPD
A221	A221-0.5	8.77	29.9	**109**
A221	A221-1.0	3.16	3.37	6
A221	A221-5.0	0.561	1.83	**106**
A231	A231-0.5	64.7	13.5	**131**
A231	A231-1.0	6.17	13.4	74
A246	A246-0.5	28.4	71.7	87
A246	A246-1.0	11.7	11.8	1
A246	A246-2.5	6.59	6.92	5
A251	A251-0.5	21.9	7.24	**101**
A251	A251-1.0	7.60	6.63	14
A251	A251-2.5	5.82	5.99	3
A257	A257-0.5	12.5	9.87	24
A257	A257-1.0	6.40	4.65	32
A257	A257-2.5	9.20	8.49	8
A257	A257-5.0	6.12	4.79	24
A282	A282-0.5	2.34	15.0	**146**
A282	A282-1.0	7.79	13.9	56
A282	A282-2.5	11.5	<0.5	**183**
B118	B118-0.5	13.9	77.9	**139**
B118	B118-1.0	1.80	1.65	9
B118	B118-2.5	1.50	1.33	12
B118	B118-5.0	0.785	3.01	**117**
B126	B126-0.5	18.2	16.6	9
B126	B126-1.0	5.53	7.38	29
B126	B126-2.5	6.45	7.51	15
B126	B126-5.0	8.62	6.72	25
B128	B128-0.5	49.6	6.73	**152**
B128	B128-1.0	3.50	2.92	18
B128	B128-2.5	1.15	2.36	69
B128	B128-5.0	0.895	0.799	11
B130	B130-0.5	29.5	28.4	4
B130	B130-1.0	3.45	1.66	70
B130	B130-2.5	6.16	5.94	4
B130	B130-5.0	9.31	10.2	9
B150	B150-0.5	36.8	43.4	16
B150	B150-1.0	8.12	5.48	39
B150	B150-2.5	6.71	7.16	6

Table 2
Relative Percent Differences
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Boring ID	Sample ID	Total Lead		
		Primary Sample (mg/kg)	Duplicate Sample (mg/kg)	RPD
B150	B150-5.0	7.16	6.96	3
B167	B167-0.5	12.5	13.9	11
B167	B167-1.0	5.94	4.84	20
B167	B167-2.5	6.52	64.2	**163**
B167	B167-5.0	1.95	1.88	4
B175	B175-0.5	5.78	2.91	66
B175	B175-1.0	1.07	1.93	57
B175	B175-2.5	0.641	0.952	39
B175	B175-5.0	3.63	1.13	**105**
B185	B185-0.5	95.1	39.9	82
B185	B185-1.0	1.71	1.71	0
B185	B185-2.5	1.79	1.39	25
B185	B185-5.0	2.22	1.73	25
B195	B195-0.5	9.70	19.8	68
B195	B195-1.0	3.06	3.97	26
B195	B195-2.5	3.49	3.31	5
B195	B195-5.0	3.50	4.53	26
B205	B205-0.5	44.9	55.4	21
B205	B205-1.0	2.34	2.88	21
B205	B205-2.5	1.17	1.47	23
B228	B228-0.5	6.46	23.8	**115**
B228	B228-2.5	2.22	4.84	74
B241	B241-0.5	82.6	19.1	**125**
B241	B241-1.0	10.8	8.53	23
B241	B241-2.5	12.8	11.2	13
B253	B253-0.5	10.2	8.73	16
B253	B253-1.0	3.04	3.54	15
B253	B253-2.5	2.37	4.26	57
B253	B253-5.0	5.85	5.56	5
B262	B262-0.5	10.6	5.30	67
B262	B262-1.0	4.82	3.09	44
B262	B262-2.5	4.88	5.08	4
B262	B262-5.0	4.72	4.83	2
B264	B264-0.5	3.34	5.93	56
B264	B264-1.0	5.49	87.3	**176**
B264	B264-2.5	3.37	8.02	82
B264	B264-5.0	6.78	6.76	0

Table 2
Relative Percent Differences
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Boring ID	Sample ID	Total Lead		
		Primary Sample (mg/kg)	Duplicate Sample (mg/kg)	RPD
B270	B270-0.5	6.83	5.27	26
B270	B270-1.0	9.69	5.24	60
B270	B270-2.5	6.33	8.61	31
B270	B270-5.0	7.50	5.77	26
B274	B274-0.5	45.8	40.2	13
B274	B274-1.0	5.87	4.05	37
B274	B274-2.5	6.29	5.64	11
B274	B274-5.0	7.14	3.40	71
B275	B275-0.5	23.4	179	**154**
B275	B275-1.0	1.39	3.25	80
B275	B275-2.5	2.73	1.65	49
B275	B275-5.0	4.52	4.96	9
B276	B276-0.5	4.76	4.15	14
B276	B276-1.0	0.650	0.604	7
B276	B276-2.5	3.65	4.52	21
B276	B276-5.0	0.834	0.500	50
C0222	C0222-0.5	3.00	7.27	83
C0222	C0222-1.0	4.32	4.16	4
C0222	C0222-2.5	4.69	4.0	16
C0222	C0222-5.0	3.71	2.33	46
C0224	C0224-0.5	8.37	7.82	7
C0224	C0224-1.0	4.10	4.67	13
C0224	C0224-2.5	4.43	3.64	20
C0224	C0224-5.0	2.32	2.49	7
C0235	C0235-0.5	17.0	11.9	35
C0235	C0235-1.0	9.74	8.72	11
C0235	C0235-2.5	14.2	12.4	14
C0235	C0235-5.0	9.25	7.13	26
C0241	C0241-0.5	10.6	10.4	2
C0241	C0241-1.0	35.7	22.9	44
C0241	C0241-2.5	11.7	9.26	23
C0241	C0241-5.0	5.55	6.16	10
C0250	C0250-0.5	20.7	14.7	34
C0250	C0250-1.0	2.41	7.06	98
C0250	C0250-2.5	2.59	22.4	**159**
C0250	C0250-5.0	3.43	3.23	6
C0252	C0252-0.5	28.6	11.7	84

Table 2
Relative Percent Differences
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Boring ID	Sample ID	Total Lead		
		Primary Sample (mg/kg)	Duplicate Sample (mg/kg)	RPD
C0252	C0252-1.0	2.74	1.70	47
C0252	C0252-2.5	1.94	5.33	93
C0252	C0252-5.0	4.40	2.14	69
C0263	C0263-0.5	5.27	4.82	9
C0263	C0263-1.0	1.75	1.42	21
C0263	C0263-2.5	1.76	1.81	3
C0263	C0263-5.0	2.69	1.62	50
C0272	C0272-0.5	7.92	10.8	31
C0272	C0272-1.0	2.60	3.40	27
C0272	C0272-2.5	2.80	5.46	64
C0272	C0272-5.0	4.22	12.9	**101**
C0280	C0280-0.5	17.0	583	**189**
C0280	C0280-1.0	6.14	4.79	25
C0280	C0280-2.5	7.41	5.51	29
C0280	C0280-5.0	8.08	3.39	82
C0293	C0293-0.5	5.27	8.11	42
C0293	C0293-1.0	2.05	2.88	34
C0293	C0293-2.5	1.83	1.77	3
C0293	C0293-5.0	1.63	2.77	52
C0301	C0301-0.5	4.48	6.28	33
C0301	C0301-1.0	4.46	4.59	3
C0301	C0301-2.5	4.26	4.46	5
C0301	C0301-5.0	4.02	3.62	10
C0311	C0311-0.5	6.78	5.56	20
C0311	C0311-1.0	5.33	4.22	23
C0313	C0313-0.5	6.67	3.96	51
C0313	C0313-1.0	7.96	3.94	68
C0313	C0313-2.5	3.60	2.64	31
C0313	C0313-5.0	4.86	5.34	9
C0328	C0328-0.5	23.5	8.66	92
C0328	C0328-1.0	15.2	7.79	64
C0328	C0328-2.5	4.98	8.31	50
C0328	C0328-5.0	6.46	6.19	4
C0333	C0333-0.5	3.77	22.1	**142**
C0333	C0333-1.0	9.58	4.38	74
C0333	C0333-2.5	3.99	4.59	14
C0338	C0338-0.5	11.2	18.0	47

Table 2
Relative Percent Differences
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Boring ID	Sample ID	Total Lead		
		Primary Sample (mg/kg)	Duplicate Sample (mg/kg)	RPD
C0338	C0338-1.0	16.4	2.55	**146**
C0338	C0338-1.5	14.7	9.53	43
C0346	C0346-0.5	18.8	17.3	8
C0346	C0346-1.0	10.4	10.8	4
C0346	C0346-2.5	8.39	8.70	4
C0346	C0346-5.0	6.72	7.66	13
C0348	C0348-0.5	18.8	12.2	43
C0348	C0348-1.0	11.4	14.9	27
C0348	C0348-2.5	10.2	11.2	9
C0348	C0348-5.0	8.17	9.80	18
C0354	C0354-0.5	5.07	9.33	59
C0354	C0354-1.0	4.70	6.40	31
C0354	C0354-2.5	6.92	6.24	10
C0354	C0354-5.0	4.85	4.67	4
C0364	C0364-0.5	9.03	7.82	14
C0364	C0364-1.0	11.1	8.95	21
C0364	C0364-2.5	9.75	7.04	32
C0364	C0364-5.0	7.00	9.76	33
C0371	C0371-0.5	1.64	20.6	**171**
C0371	C0371-1.0	2.06	2.40	15
C0371	C0371-2.5	1.94	2.56	28
C0371	C0371-3.5	1.61	2.18	30
D0174	D0174-0.5	2.74	37.4	**173**
D0174	D0174-1.0	2.77	2.59	7
D0174	D0174-2.5	2.79	6.19	76
D0174	D0174-5.0	2.80	3.01	7
D0191	D0191-0.5	4.48	7.08	45
D0191	D0191-1.0	5.45	4.10	28
D0191	D0191-2.5	9.02	8.16	10
D0191	D0191-5.0	7.40	9.73	27
D0198	D0198-0.5	7.86	3.94	66
D0198	D0198-1.0	7.73	4.35	56
D0198	D0198-2.5	7.42	7.48	1
D0198	D0198-5.0	3.07	4.12	29
D0225	D0225-0.5	34.1	7.35	**129**
D0225	D0225-1.0	8.08	16.7	70
D0225	D0225-2.5	7.64	9.00	16

Table 2
Relative Percent Differences
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Boring ID	Sample ID	Total Lead		
		Primary Sample (mg/kg)	Duplicate Sample (mg/kg)	RPD
D0225	D0225-5.0	7.59	8.96	17
D0227	D0227-0.5	11.6	18.7	47
D0227	D0227-1.0	11.7	12.7	8
D0227	D0227-1.5	10.7	11.3	5
D0237	D0237-0.5	6.68	7.8	15
D0237	D0237-1.0	6.63	6.91	4
D0237	D0237-2.5	4.94	4.49	10
D0237	D0237-5.0	3.52	6.23	56
D0247	D0247-0.5	96.3	194	67
D0247	D0247-1.0	3.23	3.15	3
D0247	D0247-2.5	86.8	48.4	57
D0247	D0247-3.5	4.63	2.42	63
D0260	D0260-0.5	135	73.7	59
D0260	D0260-1.0	2.85	1.68	52
D0260	D0260-2.5	1.45	1.47	1
D0260	D0260-5.0	3.89	6.06	44
D0291	D0291-0.5	2.50	24.6	**163**
D0291	D0291-1.0	2.31	2.06	11
D0291	D0291-2.5	2.34	2.06	13
D0291	D0291-5.0	2.05	2.23	8
D0298	D0298-0.5	2.76	13.7	**133**
D0298	D0298-1.0	5.49	5.56	1
D0298	D0298-2.5	5.26	4.67	12
D0298	D0298-5.0	5.55	5.58	1
D0315	D0315-0.5	10.7	6.92	43
D0315	D0315-1.0	8.22	9.90	19
D0315	D0315-2.5	7.38	8.45	14
D0315	D0315-5.0	11.0	5.54	66
D0321	D0321-0.5	13.3	5.71	80
D0321	D0321-1.0	6.77	5.48	21
D0321	D0321-2.5	5.89	4.54	26
D0321	D0321-5.0	36.6	4.02	**160**
D0334	D0334-0.5	7.00	4.39	46
D0334	D0334-1.0	5.10	4.61	10
D0334	D0334-1.5	3.56	16.1	**128**
D0343	D0343-0.5	2.29	3.56	43
D0343	D0343-1.0	9.54	7.38	26

Table 2
Relative Percent Differences
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

Boring ID	Sample ID	Total Lead		
		Primary Sample (mg/kg)	Duplicate Sample (mg/kg)	RPD
D0343	D0343-2.5	16.8	5.03	**108**
D0343	D0343-5.0	5.18	11.0	72
D0363	D0363-0.5	16.6	22.8	31

Notes:

RPD = Relative Percent Difference

TTLC = Total Threshold Limit Concentration

mg/kg = milligrams per kilogram

Red values are greater than 100% difference and indicate poor precision between primary and duplicate samples

TABLE 3
Summary of Statistical Analysis for Aerially Deposited Lead
Interstate 15 ELPSE ADL Survey
I-15 Post Miles 20.3 through 38.8
Riverside County, California

TTLC and STLC WET Citric Data Analysis	TTLC	STLC WET Citric (Laboratory Only)
Distribution Type	Non-Parametric	Non-Parametric
Number of Samples, n	2,994	334
Minimum Detected Value	0.25 (mg/kg)	0.025 (mg/L)
Maximum Detected Value	781 (mg/kg)	9.41 (mg/L)
Mean (Average), x	10.58 (mg/kg)	0.665 (mg/L)
Std Deviation of sample set, s	24.64 (mg/kg)	1.364 (mg/L)
95% UCL on data KM (Chebychev) Method	12.54 (mg/kg)	**0.99** (mg/L)

NA = not applicable
mg/L = milligrams per liter
UCL = Upper Confidence Level
UCL Methods and values provided by the Environmental Protection Agency's statistical program, ProUCL, Version 4.0
Distribution type was selected based on histograms produced by ProUCL

Appendix A Soil Sample Log

Soil Sample Log

P/N 603008001

Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A104-5.0	0	0	0	0	0	0	0	NO RECOVERY @ 5.0 FT
A105-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A105-1.0	SP	Poorly graded SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
A105-2.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse gravel	none	Dense
A105-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	Low	Very Dense
A106-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A106-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
A106-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
A106-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand with fine gravel	Medium	Dense
A107-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A107-1.0	SP	Poorly graded SAND with GRAVEL	angular	dark grayish brown	moist	fine sand	none	Medium Dense
A107-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A107-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A108-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A108-1.0	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	dry to moist	fine to coarse gravel	none	Medium Dense
A108-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A108-5.0	SP	Poorly graded SAND	subangular	grayish brown	moist	fine sand	none	Dense
A109-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A109-1.0	ML	SANDY SILT WITH GRAVEL	subangular	dark reddish brown	moist	fine to coarse sand with fine gravel	none	Medium Stiff
A109-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Dense
A109-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Dense
A110-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A110-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A110-2.5	SC	CLAYEY SAND with GRAVEL	angular	olive brown	moist	fine to coarse gravel	Medium	Dense REFUSAL @ 3.0 FT BGS
A111-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A111-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
A111-2.5	SM	SILTY SAND with GRAVEL	angular	olive brown	moist to wet	fine to coarse sand with fine gravel	none	Dense
A111-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	olive	moist	fine to coarse sand with fine gravel	Low	Dense
A112-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A112-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense REFUSAL @ 2.0 FT BGS, NO RECOVERY
A113-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A113-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
A113-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse gravel	Medium	Dense
A113-4.0	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse gravel	Medium	Very Dense REFUSAL @ 4.0 FT BGS
A114-0.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to coarse sand	none	Medium Dense
A114-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A114-2.5	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to coarse sand	Low	Medium Dense
A114-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	coarse gravel	Medium	Dense 4" RECOVERY
A115-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A115-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
A115-2.5	SC	CLAYEY SAND	subangular	dark brown	moist	fine to coarse sand	Low	Dense
A115-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
A116-0.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A116-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A116-2.5	SC	CLAYEY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A116-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A117-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A117-1.0	SW	Well-graded SAND	subrounded	light gray	moist	fine to medium sand	none	Medium Dense
A117-2.5	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense REFUSAL @ 4.0 FT BGS, NO RECOVERY
A118-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A118-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	reddish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A118-2.5	SW	Well-graded SAND with GRAVEL	rounded	light gray	moist	fine to coarse sand with fine gravel	none	Medium Dense

Soil Sample Log

P/N 603008001

Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A118-5.0	SW	Well-graded SAND	subrounded	light gray	moist	fine to coarse sand	none	Dense
A119-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A119-1.0	SC	CLAYEY SAND	subrounded	yellowish brown	moist	fine to medium sand	Low	Medium Dense
A119-2.5	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
A119-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Medium Dense
A120-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A120-1.0	SM	SILTY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse gravel	none	Medium Dense
A120-2.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A120-5.0	SM	SILTY SAND	subrounded	olive brown	moist	fine sand	none	Dense
A121-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A121-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse gravel	none	Dense
A121-2.5	SM	SILTY SAND	subrounded	olive brown	moist	fine to medium sand	none	Dense
A121-5.0	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A122-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A122-1.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
A122-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	Medium	Dense
A122-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	moist to wet	fine to coarse sand with fine gravel	Medium	Dense
A123-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A123-1.0	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	moist	fine to coarse gravel	none	Medium Dense
A123-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	reddish brown	moist	fine to coarse gravel	Low	Dense
A123-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	reddish brown	moist	fine to coarse gravel	Low	Dense
A124-0.5	SM	SILTY SAND with GRAVEL	subangular	gray	dry to moist	fine to coarse gravel	none	Loose
A124-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A124-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	moist	fine to coarse sand with fine gravel	Low	Very Dense
A124-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	moist	fine to coarse sand with fine gravel	Low	Very Dense
A125-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A125-1.0	SM	SILTY SAND	rounded	reddish brown	moist	fine sand	none	Medium Dense
A125-2.5	SM	SILTY SAND with GRAVEL	angular	reddish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A125-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark gray	dry to moist	fine to coarse gravel	none	Medium Dense
A126-0.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A126-1.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A126-2.5	SC	CLAYEY SAND with GRAVEL	rounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A126-5.0	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse gravel	none	Dense
A127-0.5	SM	SILTY SAND with GRAVEL	subrounded	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A127-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Medium Dense
A127-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Dense
A127-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
A128-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A128-1.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A128-2.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
A128-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Dense
A129-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A129-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Dense 12" RECOVERY
A129-2.5	SP	Poorly graded SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
A129-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	Low	Dense
A130-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A130-1.0	SM	SILTY SAND	subrounded	dark brown	moist	very fine sand	none	Medium Dense
A130-2.5	SM	SILTY SAND	subangular	dark brown	dry to moist	fine sand	none	Medium Dense
A130-5.0	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Dense
A131-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A131-1.0	SM	SILTY SAND with GRAVEL	rounded	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A131-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Dense
A131-5.0	SC	CLAYEY SAND	subrounded	dark brown	dry to moist	fine to medium sand	Low	Medium Dense
A132-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense

Soil Sample Log

P/N 603008001

Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A132-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A132-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	Low	Dense
A132-5.0	CL	SANDY Lean CLAY	subrounded	dark brown	moist	fine sand	Medium	Stiff
A133-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A133-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A133-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
A133-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Very Dense
A134-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A134-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Stiff
A134-2.5	SM	SILTY SAND with GRAVEL	angular	gray	moist	fine to coarse gravel	none	Very Dense REFUSAL @ 3.0 FT BGS
A135-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A135-1.0	SM	SILTY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A135-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
A135-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A136-0.5	SM	SILTY SAND with GRAVEL	subangular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A136-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A136-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse gravel	none	Dense REFUSAL @ 3.0 FT BGS
A137-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A137-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse gravel	none	Dense
A137-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
A137-5.0	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A138-0.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A138-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Medium Dense
A138-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
A138-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
A139-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A139-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A139-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A139-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A140-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A140-1.0	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A140-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A140-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A141-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A141-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	very fine to fine sand	none	Dense
A141-2.5	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A141-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A142-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A142-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A142-2.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
A142-5.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
A143-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse gravel	none	Medium Dense
A143-1.0	SM	SILTY SAND with GRAVEL	angular	olive gray	moist	fine to coarse sand with fine gravel	none	Dense
A143-2.5	ML	SILT	subrounded	olive brown	moist	0	Low	Very Stiff
A143-5.0	ML	SILT	subrounded	dark yellowish brown	moist	0	Low	Hard
A144-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A144-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Hard
A144-2.5	SM	SILTY SAND	subrounded	grayish brown	moist	very fine to fine sand	none	Dense
A144-5.0	SM	SILTY SAND	subrounded	light brownish gray	moist	very fine to fine sand	none	Dense
A145-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A145-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Medium Dense 12" RECOVERY
A145-2.5	SM	SILTY SAND	subrounded	grayish brown	moist	fine to medium sand	none	Dense
A145-5.0	SM	SILTY SAND	subrounded	olive brown	moist	fine sand	none	Dense
A146-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A146-1.0	SM	SILTY SAND	angular	yellowish brown	moist	fine sand	none	Medium Dense
A146-2.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A146-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
A147-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A147-1.0	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Loose 12" RECOVERY
A147-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
A147-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
A148-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A148-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
A148-2.5	SM	SILTY SAND with GRAVEL	angular	light gray	moist	fine to coarse sand with fine gravel	none	Dense DECOMPOSED GRANITICS
A148-5.0	SW	Well-graded SAND with GRAVEL	angular	light gray	moist	fine to coarse sand with fine gravel	none	Very Dense DECOMPOSED GRANITICS
A149-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A149-1.0	SP	Poorly graded SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
A149-2.5	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Very Dense DEDCOMPOSED GRANITICS
A149-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Very Dense DECOMPOSED GRANITICS
A150-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A150-1.0	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A150-2.5	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A150-5.0	SM	SILTY SAND	subrounded	dark brown	moist	very fine to coarse sand	none	Dense
A151-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A151-1.0	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
A151-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A151-5.0	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse gravel	none	Dense
A152-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A152-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to coarse sand	none	Medium Dense
A152-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A152-5.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	Low	Medium Dense
A152-5.0	CL	SANDY Lean CLAY	rounded	dark brown	moist	fine to medium sand	Medium	Hard
A153-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A153-1.0	SM	SILTY SAND	subrounded	grayish brown	moist	fine to medium sand	none	Medium Dense
A153-2.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to coarse sand	none	Dense
A153-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A154-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose
A154-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A154-2.5	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Dense
A154-5.0	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	Low	Dense
A155-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse gravel	none	Loose
A155-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
A155-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse gravel	Medium	Medium Dense
A156-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A156-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A156-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A156-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A157-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A157-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A157-2.5	SM	SILTY SAND	subrounded	grayish brown	moist	very fine to fine sand	none	Medium Dense
A157-5.0	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A158-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A158-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A158-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A158-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A159-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A159-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A159-2.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A159-5.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
A160-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A160-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
A160-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Very Dense REFUSAL @ 3.0 FT BGS
A161-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A161-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense 12" RECOVERY
A161-2.5	SW	Well-graded SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense DECOMPOSED GRANITICS
A161-5.0	SW	Well-graded SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Very Dense DECOMPOSED GRANITICS
A162-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A162-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A162-2.5	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A162-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A163-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A163-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A163-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A163-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A164-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A164-1.0	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A164-2.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse gravel	none	Dense
A164-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A165-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A165-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A165-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A165-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A166-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A166-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A166-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
A166-5.0	SC	CLAYEY SAND	subrounded	reddish brown	moist	fine to coarse sand	Medium	Very Dense
A167-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A167-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A167-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	reddish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
A167-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
A168-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A168-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A168-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense REFUSAL @ 3.0 FT BGS
A169-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Loose
A169-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
A169-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A169-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Dense
A170-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A170-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A170-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A170-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A171-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
A171-1.0	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Medium Dense
A171-2.5	SM	SILTY SAND with GRAVEL	angular	light gray	dry to moist	fine to coarse gravel	none	Dense
A171-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to coarse sand	Medium	Dense
A172-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A172-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Medium Dense
A172-2.5	SM	SILTY SAND	subrounded	gray	moist	very fine to fine sand	none	Medium Dense
A172-5.0	ML	SILT with SAND	subrounded	olive	moist	very fine sand	none	Medium Stiff
A173-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
A173-1.0	SM	SILTY SAND	subangular	light gray	moist	fine to coarse sand	none	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A173-2.5	SW	Well-graded SAND	angular	light brown	moist	fine to coarse sand	none	Very Dense REFUSAL @ 3.0 FT BGS, DECOMPOSED GRANITICS
A174-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Loose
A174-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
A174-2.5	SM	SILTY SAND	subrounded	light brown	moist	fine sand	none	Dense
A174-5.0	SM	SILTY SAND	subrounded	light brown	moist	fine sand	none	Dense
A175-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A175-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
A175-2.5	SP	Poorly graded SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
A175-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A176-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A176-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
A176-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A176-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A177-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A177-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to medium sand	none	Medium Dense
A177-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A177-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A178-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A178-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense
A178-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A178-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
A179-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A179-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to medium sand	none	Medium Dense
A179-2.5	SC	CLAYEY SAND	subrounded	brown	dry to moist	fine to coarse sand	Low	Medium Dense
A179-5.0	SC	CLAYEY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
A180-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Loose
A180-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Medium Dense
A180-2.5	SC	CLAYEY SAND	subrounded	grayish brown	moist	fine to medium sand	Low	Dense
A180-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
A181-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A181-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A181-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A181-5.0	SW	Well-graded SAND	angular	brown	moist	fine to coarse sand	none	Dense
A182-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A182-1.0	SM	SILTY SAND	angular	yellowish brown	moist	fine to coarse sand	none	Dense
A182-2.5	SM	SILTY SAND	angular	dark yellowish brown	moist	fine to medium sand	none	Very Dense
A182-5.0	SM	SILTY SAND	angular	dark brown	moist	fine to coarse sand	none	Very Dense
A183-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
A183-1.0	SW	Well-graded SAND	subangular	light brownish gray	moist	fine to coarse sand	none	Dense
A183-2.5	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Dense REFUSAL @ 3.0 FT BGS
A184-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A184-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A184-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
A184-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
A185-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A185-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A185-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A185-5.0	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Dense
A186-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A186-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A186-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Very Dense REFUSAL @ 3.0 FT BGS
A187-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A187-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Very Dense

Soil Sample Log

P/N 603008001

Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A187-2.5	SW	Well-graded SAND	angular	light gray	dry to moist	fine to coarse sand	none	Dense REFUSAL @ 3.0 FT BGS
A188-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A188-1.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
A188-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse gravel	none	Dense
A188-5.0	SP	Poorly graded SAND	subangular	yellowish brown	moist	fine sand	none	Dense
A189-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A189-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
A189-2.5	CL	SANDY Lean CLAY	subangular	dark brown	moist	fine to coarse sand	Medium	Medium Stiff
A189-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense
A190-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A190-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark gray	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A190-2.5	SP	Poorly graded SAND	subangular	gray	moist	fine sand	none	Dense
A190-4.0	SM	SILTY SAND with GRAVEL	angular	light gray	dry to moist	fine to coarse gravel	none	Very Dense REFUSAL @ 4.0 FT BGS
A191-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A191-1.0	SP	Poorly graded SAND	subangular	light gray	moist	fine sand	none	Dense
A191-2.5	SP	Poorly graded SAND	subangular	light gray	moist	fine sand	none	Very Dense REFUSAL @ 3.0 FT BGS
A192-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
A192-1.0	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
A192-2.5	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Dense
A192-5.0	SW	Well-graded SAND	subangular	light gray	moist	fine to coarse sand	none	Dense
A193-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to coarse sand	none	Loose
A193-1.0	SM	SILTY SAND	subrounded	grayish brown	moist	fine sand	none	Medium Dense
A193-2.5	SM	SILTY SAND	subrounded	light gray	moist	fine sand	none	Medium Dense
A193-5.0	SM	SILTY SAND	subrounded	light gray	moist	very fine to fine sand	none	Medium Dense
A194-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
A194-1.0	SM	SILTY SAND	subrounded	grayish brown	moist	fine to medium sand	none	Medium Dense 12" RECOVERY
A194-2.5	SM	SILTY SAND	subrounded	light brownish gray	moist	fine sand	none	Medium Dense
A194-5.0	SM	SILTY SAND	subrounded	grayish brown	moist	fine sand	none	Dense
A195-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A195-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
A195-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to coarse sand	none	Dense
A195-5.0	SM	SILTY SAND	subangular	dark gray	moist	fine to coarse sand	none	Dense
A196-0.5	SM	SILTY SAND	subrounded	pale brown	dry to moist	fine to coarse sand	none	Loose
A196-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Medium	Medium Dense
A196-2.5	SC	CLAYEY SAND	subrounded	yellowish brown	moist	fine sand	Medium	Dense
A196-5.0	SC	CLAYEY SAND with GRAVEL	subangular	pale brown	moist	fine sand	Medium	Dense
A197-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A197-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Medium Dense
A197-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A197-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
A198-0.5	SM	SILTY SAND	subrounded	light brown	dry to moist	fine to coarse sand	none	Loose
A198-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A198-2.5	SC	CLAYEY SAND	angular	dark grayish brown	moist	fine to coarse sand	Low	Dense
A198-5.0	SC	CLAYEY SAND	subrounded	light gray	moist	fine sand	Low	Dense
A199-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A199-1.0	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A199-2.5	0	0	0	0	0	0	0	REFUSAL @ 2.0 FT BGS, NO RECOVERY
A200-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A200-1.0	SW	Well-graded SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A200-2.5	ML	SILT with SAND	subangular	yellowish brown	moist	fine sand	none	Medium Stiff
A200-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
A201-0.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to coarse sand	none	Loose
A201-1.0	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Medium Dense
A201-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A201-4.0	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to medium sand	none	Very Dense REFUSAL @ 4.0 FT BGS
A202-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to medium sand	none	Loose
A202-1.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
A202-2.5	SP	Poorly graded SAND	subangular	yellowish brown	moist	fine sand	none	Dense
A202-5.0	SP	Poorly graded SAND	subangular	yellowish brown	moist	fine sand	none	Dense
A203-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A203-1.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	Medium	Medium Dense
A203-2.5	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	Medium	Dense
A203-5.0	SC	CLAYEY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse gravel	Medium	Dense
A204-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A204-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A204-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine sand	Medium	Medium Dense
A204-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
A205-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to coarse sand	none	Loose
A205-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A205-2.5	SM	SILTY SAND	subrounded	grayish brown	moist	fine sand	none	Dense
A205-5.0	SM	SILTY SAND	subrounded	grayish brown	moist	fine to medium sand	none	Dense
A206-0.5	SM	SILTY SAND	subrounded	light brown	dry to moist	fine to medium sand	none	Loose
A206-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to medium sand	none	Medium Dense
A206-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A206-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A207-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
A207-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense 12" RECOVERY
A207-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense
A207-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
A208-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
A208-1.0	SM	SILTY SAND with GRAVEL	subrounded	light brownish gray	moist	fine to coarse sand with fine gravel	none	Medium Dense
A208-2.5	SM	SILTY SAND with GRAVEL	angular	light brownish gray	moist	fine to coarse sand with fine gravel	none	Dense
A208-5.0	SM	SILTY SAND	angular	light gray	moist	fine to coarse sand	none	Dense
A209-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Loose
A209-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A209-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense
A209-5.0	SC	CLAYEY SAND	subangular	olive	moist	fine sand	Medium	Dense
A210-0.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to coarse sand	none	Medium Dense
A210-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
A210-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense
A210-5.0	SP	Poorly graded SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
A211-0.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
A211-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
A211-2.5	SW	Well-graded SAND	subangular	grayish brown	moist	fine to coarse sand	none	Dense REFUSAL @ 3.0 FT BGS
A212-0.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
A212-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A212-2.5	SW	Well-graded SAND	subangular	grayish brown	moist	fine to medium sand	none	Very Dense
A212-5.0	SW	Well-graded SAND	subangular	grayish brown	moist	fine to medium sand	none	Very Dense
A213-0.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A213-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A213-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A213-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Dense
A214-0.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
A214-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A214-2.5	SW	Well-graded SAND	angular	dark yellowish brown	moist	fine to coarse sand	none	Dense
A214-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A215-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A215-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A215-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
A215-5.0	CL	SANDY Lean CLAY	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Stiff
A216-0.5	SM	SILTY SAND	subrounded	light brown	dry to moist	fine to coarse sand	none	Loose
A216-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A216-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A216-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
A217-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Loose
A217-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	very fine to fine sand	none	Medium Dense
A217-2.5	SM	SILTY SAND	subangular	olive gray	moist	fine sand	none	Medium Dense
A217-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to medium sand	Low	Medium Dense
A218-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
A218-1.0	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
A218-2.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse gravel	none	Dense
A218-5.0	SM	SILTY SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A219-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Loose
A219-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A219-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense
A219-5.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
A220-0.5	SM	SILTY SAND	subrounded	light brown	dry to moist	fine to coarse sand	none	Loose
A220-1.0	SM	SILTY SAND	subrounded	brown	moist	fine to medium sand	none	Medium Dense
A220-2.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
A220-5.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Dense
A221-0.5	SM	SILTY SAND	subrounded	light brown	dry to moist	fine to coarse sand	none	Loose
A221-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A221-2.5	SM	SILTY SAND with GRAVEL	subrounded	very dark gray	moist	fine to coarse sand with fine gravel	none	Dense
A221-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
A222-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Medium Dense
A222-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
A222-2.5	SP	Poorly graded SAND	subangular	dark yellowish brown	moist	fine sand	none	Medium Dense
A222-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Medium Dense
A223-0.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
A223-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
A223-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Very Dense Ms, REFUSAL @ 3.0 FT BGS
A224-0.5	SM	SILTY SAND	subangular	light brown	dry to moist	fine to coarse sand	none	Dense
A224-1.0	SW	Well-graded SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Dense Ms
A224-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense Ms, REFUSAL @ 3.5 FT BGS
A225-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A225-1.0	SC	CLAYEY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A225-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Dense
A225-5.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	0	Dense
A226-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A226-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense 12" RECOVERY
A226-2.5	SM	SILTY SAND with GRAVEL	subangular	gray	moist	fine to coarse gravel	none	Dense
A226-5.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A227-0.5	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to coarse sand	none	Loose
A227-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A227-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A227-5.0	SM	SILTY SAND with GRAVEL	angular	gray	moist	fine to coarse gravel	none	Dense
A228-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A228-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
A228-2.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse gravel	none	Dense
A228-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Dense
A229-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A229-1.0	SM	SILTY SAND with GRAVEL	subangular	gray	moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A229-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense Ms
A229-4.5	0	0	0	0	0	0	0	REFUSAL @ 4.5 FT BGS, NO RECOVERY
A230-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A230-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A230-2.5	CH	Fat CLAY with SAND	subangular	reddish brown	moist	fine to medium sand	High	Very Dense REFUSAL @ 3.0 FT BGS
A231-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	coarse sand to fine gravel	none	Medium Dense Ms
A231-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms, REFUSAL @ 1.0 FT BGS
A232-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A232-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
A232-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense Ms
A232-5.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Very Dense Ms, 4" RECOVERY
A233-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A233-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
A233-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense Ms
A233-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Very Dense Ms
A234-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A234-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A234-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Very Dense Ms, REFUSAL @ 3.0 FT BGS
A235-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A235-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A235-2.5	SW	Well-graded SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A235-5.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A236-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A236-1.0	SC	CLAYEY SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A236-2.5	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A236-5.0	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A237-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A237-1.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
A237-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
A237-5.0	SW	Well-graded SAND with GRAVEL	angular	grayish brown	moist	fine to coarse gravel	none	Dense Ms
A238-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A238-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
A238-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense Ms
A238-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A239-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A239-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A239-2.5	SW	Well-graded SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
A239-5.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense Ms
A240-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A240-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A240-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Very Dense REFUSAL @ 3.0 FT BGS
A241-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Loose
A241-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A241-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse gravel	none	Dense Ms
A241-5.0	SW	Well-graded SAND with GRAVEL	angular	gray	moist	fine to coarse sand with fine gravel	none	Dense
A242-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A242-1.0	SM	SILTY SAND with GRAVEL	angular	brown	moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
A242-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense REFUSAL @ 3.0 FT BGS
A243-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A243-1.0	SW	Well-graded SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
A243-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A243-5.0	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Dense Ms
A244-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A244-1.0	SM	SILTY SAND with GRAVEL	angular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A244-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense Ms
A244-5.0	SW	Well-graded SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Very Dense Ms
A245-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A245-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
A245-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense Ms
A245-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Dense Ms
A246-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A246-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose 12" RECOVERY
A246-2.5	SC	CLAYEY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A246-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Medium	Medium Dense
A247-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A247-1.0	SW	Well-graded SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense DECOMPOSED GRANITICS
A247-2.5	SM	SILTY SAND with GRAVEL	angular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense DECOMPOSED GRANITICS
A247-3.5	SW	Well-graded SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Very Dense DECOMPOSED GRANITICS, REFUSAL @ 3.5 FT BGS
A248-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A248-1.0	SW	Well-graded SAND with GRAVEL	angular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense REFUSAL @ 1.5 FT BGS
A249-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A249-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A249-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Medium Dense
A249-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand with fine gravel	none	Dense Ms, REFUSAL @ 2.5 FT BGS, 6" RECOVERY
A250-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A250-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense REFUSAL @ 1.0 FT BGS
A251-0.5	SM	SILTY SAND with GRAVEL	subangular	dark gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A251-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
A251-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense Ms, REFUSAL @ 3.0 FT BGS
A252-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A252-1.0	SM	SILTY SAND with GRAVEL	subangular	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense Ms
A252-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Loose
A252-5.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
A253-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A253-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A253-2.5	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A253-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A254-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A254-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A254-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A254-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark gray	moist	fine to coarse sand with fine gravel	Low	Dense Ms
A254-5.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse gravel	none	Very Dense Ms
A255-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A255-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
A255-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse gravel	none	Very Dense Ms
A256-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A256-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A256-2.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A256-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
A257-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A257-1.0	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to coarse sand	none	Medium Dense
A257-2.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A257-5.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A258-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A258-1.0	SM	SILTY SAND with GRAVEL	angular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A258-2.5	SM	SILTY SAND	subangular	grayish brown	moist	fine to coarse sand	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A258-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense
A259-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A259-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense
A259-2.5	SM	SILTY SAND	subangular	grayish brown	moist	fine to coarse sand	none	Dense
A259-5.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Dense
A260-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A260-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A260-2.5	ML	SILT with SAND	subrounded	dark yellowish brown	moist	very fine sand	none	Medium Stiff
A260-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
A261-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A261-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to medium sand	none	Medium Dense
A261-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A261-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Medium Dense
A262-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A262-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense REFUSAL @ 2.0 FT BGS
A263-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A263-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A263-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
A263-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
A264-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A264-1.0	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
A264-2.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense 6" RECOVERY
A264-5.0	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	coarse gravel	none	Medium Dense LARGE GRAVEL, 5" RECOVERY
A265-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A265-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A265-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A265-5.0	SC	CLAYEY SAND	subangular	dark brown	moist	fine to medium sand	Medium	Medium Dense
A266-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A266-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A266-2.5	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
A266-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
A267-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A267-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A267-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A267-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
A268-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A268-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A268-2.5	CL	SANDY Lean CLAY	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Hard
A268-5.0	SC	CLAYEY SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
A269-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A269-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A269-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A269-5.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
A270-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A270-1.0	SM	SILTY SAND with GRAVEL	angular	gray	moist	fine to coarse sand with fine gravel	none	Medium Dense
A270-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A270-5.0	SC	CLAYEY SAND	angular	dark gray	moist	fine to coarse sand with fine gravel	Low	Medium Dense
A271-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A271-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A271-2.5	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
A271-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
A272-0.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A272-1.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
A272-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
A272-5.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
A273-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A273-1.0	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse gravel	none	Dense
A273-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand with fine gravel	none	Very Dense Jbc BEDFORD CYN FM, REFUSAL @ 3.0 FT BGS
A274-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse gravel	none	Loose
A274-1.0	SM	SILTY SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A274-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
A274-5.0	CL	SANDY Lean CLAY	angular	dark yellowish brown	moist	fine to coarse sand	Medium	Medium Stiff
A275-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A275-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A275-2.5	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A275-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
A276-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A276-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A276-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A276-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
A277-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A277-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A277-2.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A277-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A278-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A278-1.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense
A278-2.5	SW	Well-graded SAND	angular	gray	moist	fine to coarse sand	none	Very Dense DECOMPOSED GRANITICS
A278-5.0	SW	Well-graded SAND	angular	gray	moist	fine to coarse sand	none	Very Dense DECOMPOSED GRANITICS
A279-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A279-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A279-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
A279-5.0	CL	SANDY Lean CLAY	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Medium Stiff
A280-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense REFUSAL @ 0.75 FT BGS
A281-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A281-1.0	SW	Well-graded SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
A281-2.5	SW	Well-graded SAND	angular	dark gray	moist	fine to coarse sand	none	Dense REFUSAL @ 3.0 FT BGS
A282-0.5	SM	SILTY SAND with GRAVEL	subrounded	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A282-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A282-2.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A282-5.0	SW	Well-graded SAND	angular	grayish brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
A283-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A283-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
A283-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
A283-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
A284-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A284-1.0	SW	Well-graded SAND	subangular	dark gray	moist	fine to medium sand	none	Dense DECOMPOSED GRANITICS, REFUSAL @ 1.5 FT BGS
A285-0.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
A285-1.0	SW	Well-graded SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
A285-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine sand	Medium	Dense
A285-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
A286-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
A286-1.0	SW	Well-graded SAND	subangular	grayish brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
A286-2.5	SW	Well-graded SAND	angular	dark grayish brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS, REFUSAL @ 3.0 FT BGS
A287-0.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B093-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Medium Dense
B093-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense 12" RECOVERY
B093-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense REFUSAL @ 3.0 FT BGS
B094-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B094-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B094-2.5	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B094-5.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Dense
B095-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B095-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark gray	moist	fine to coarse gravel	Low	Dense
B095-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense
B095-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B096-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B096-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B096-2.5	SP	Poorly graded SAND	subangular	light olive brown	moist	fine sand	none	Medium Dense
B096-5.0	SM	SILTY SAND	subangular	olive brown	moist	fine to medium sand	none	Dense
B097-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B097-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B097-2.5	SP	Poorly graded SAND	subrounded	light olive brown	moist	fine sand	none	Medium Dense
B097-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
B098-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B098-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose 12" RECOVERY
B098-2.5	SM	SILTY SAND	subrounded	light gray	moist	fine sand	none	Dense
B098-5.0	SM	SILTY SAND	subrounded	light gray	moist	fine to medium sand	none	Dense
B099-0.5	SP	Poorly graded SAND	subrounded	grayish brown	dry to moist	fine sand	none	Loose
B099-1.0	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense REFUSAL @ 1.5 FT BGS
B100-0.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Medium Dense
B100-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B100-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Dense REFUSAL @ 2.5 FT BGS
B102-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B102-1.0	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	dry to moist	fine to coarse gravel	none	Medium Dense REFUSAL @ 1.5 FT BGS
B103-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Loose
B103-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B103-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B103-5.0	SW	Well-graded SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Dense 4" RECOVERY
B104-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B104-1.0	SW	Well-graded SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense DECOMPOSED GRANITICS
B104-2.5	SW	Well-graded SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Dense DECOMPOSED GRANITICS
B104-5.0	SW	Well-graded SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Dense DECOMPOSED GRANITICS
B105-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B105-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B105-2.5	SM	SILTY SAND	angular	dark brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
B105-5.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense DECOMPOSED GRANITICS
B106-0.5	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B106-1.0	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B123-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B123-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B123-2.5	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B123-5.0	SM	SILTY SAND	subangular	dark brown	dry to moist	fine to medium sand	none	Dense
B124-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B124-1.0	SC	CLAYEY SAND with GRAVEL	subangular	reddish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B124-2.5	SC	CLAYEY SAND with GRAVEL	angular	reddish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B124-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Loose
B125-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B125-1.0	SM	SILTY SAND with GRAVEL	rounded	yellowish brown	moist	fine to coarse gravel	none	Medium Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B125-2.5	CL	SANDY Lean CLAY	rounded	dark yellowish brown	moist	fine to coarse sand	Medium	Medium Stiff
B125-5.0	CL	SANDY Lean CLAY	rounded	dark brown	moist	fine to coarse sand	Medium	Medium Stiff
B126-0.5	SM	SILTY SAND with GRAVEL	subrounded	gray	dry to moist	fine to coarse gravel	none	Loose
B126-1.0	SM	SILTY SAND with GRAVEL	subangular	reddish brown	moist	fine to coarse gravel	none	Medium Dense
B126-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse gravel	Low	Dense
B126-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse gravel	none	Dense
B127-0.5	SM	SILTY SAND with GRAVEL	subrounded	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B127-1.0	SP	Poorly graded SAND	subangular	yellowish brown	moist	fine sand	none	Medium Dense
B127-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Dense
B127-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	Low	Dense
B128-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B128-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
B128-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Dense
B128-5.0	SP	Poorly graded SAND	angular	yellowish brown	moist	fine sand	none	Dense
B129-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B129-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Medium Dense
B129-2.5	SP	Poorly graded SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
B129-5.0	SP	Poorly graded SAND	subrounded	dark yellowish brown	moist	fine sand	none	Dense
B130-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B130-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B130-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B130-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
B131-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Loose
B131-1.0	SM	SILTY SAND	subrounded	grayish brown	moist	very fine to fine sand	none	Medium Dense
B131-2.5	SM	SILTY SAND	subrounded	light olive gray	moist	fine sand	none	Dense
B131-5.0	SM	SILTY SAND	subangular	light brown	moist	fine sand	none	Dense
B132-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B132-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B132-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B132-5.0	CL	SANDY Lean CLAY	subangular	dark brown	moist	fine to medium sand	Medium	Stiff
B133-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B133-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B133-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B133-5.0	SM	SILTY SAND	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
B134-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse gravel	none	Medium Dense
B134-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B134-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B134-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B135-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B135-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B135-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B135-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B136-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B136-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B136-2.5	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B136-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B137-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B137-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B137-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand with fine gravel	Low	Dense
B137-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand with fine gravel	Medium	Dense
B138-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B138-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B138-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B138-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B139-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B139-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Medium Dense
B139-2.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B139-5.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Dense
B140-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B140-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense 12" RECOVERY
B140-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
B140-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Dense
B141-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B141-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B141-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	none	Dense
B141-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B142-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B142-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
B142-2.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
B142-5.0	SM	SILTY SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B143-0.5	SM	SILTY SAND with GRAVEL	subangular	gray	dry to moist	fine to coarse gravel	none	Medium Dense
B143-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B143-2.5	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B143-5.0	SM	SILTY SAND with GRAVEL	subrounded	light yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B144-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Medium Dense
B144-1.0	SP	Poorly graded SAND	subrounded	light gray	moist	fine sand	none	Medium Dense
B144-2.5	SP	Poorly graded SAND	subangular	light gray	moist	fine sand	none	Dense
B144-5.0	SM	SILTY SAND	subrounded	yellowish brown	moist	very fine to fine sand	none	Dense
B145-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Medium Dense
B145-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Dense
B145-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Dense
B145-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Dense
B146-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B146-1.0	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to coarse sand	none	Dense
B146-2.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
B146-5.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
B147-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B147-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Medium Dense
B147-2.5	SW	Well-graded SAND	angular	reddish brown	moist	fine to medium sand	none	Dense
B147-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B148-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse gravel	none	Loose
B148-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Medium Dense
B148-2.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense
B148-5.0	SM	SILTY SAND	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
B149-0.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse gravel	none	Medium Dense
B149-1.0	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to coarse sand	none	Medium Dense
B149-2.5	SM	SILTY SAND	subrounded	reddish brown	moist	fine to medium sand	none	Dense
B149-5.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
B150-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B150-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B150-2.5	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse gravel	none	Dense
B150-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B151-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B151-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B151-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
B151-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
B152-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B152-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B152-2.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
B152-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
B153-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B153-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B153-2.5	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	Medium	Medium Dense
B153-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand	Low	Medium Dense
B154-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B154-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B154-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	olive brown	moist	fine to coarse sand with fine gravel	Low	Dense
B154-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B155-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B155-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to coarse sand	none	Medium Dense
B155-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B155-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	none	Dense
B156-0.5	SM	SILTY SAND with GRAVEL	subrounded	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B156-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
B156-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense 12" RECOVERY
B156-5.0	SM	SILTY SAND with GRAVEL	subangular	dark gray	dry to moist	fine to coarse gravel	none	Dense 5" RECOVERY
B157-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B157-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B157-2.5	SC	CLAYEY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse gravel	Low	Dense
B157-5.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
B158-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B158-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
B158-2.5	SM	SILTY SAND	subrounded	dark gray	moist	very fine to fine sand	none	Medium Dense
B158-5.0	SM	SILTY SAND	subrounded	dark brown	moist	very fine to fine sand	none	Medium Dense
B159-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B159-1.0	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B159-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B159-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
B160-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B160-1.0	CL	SANDY Lean CLAY	subrounded	dark yellowish brown	moist	fine to medium sand	Medium	Medium Stiff
B160-2.5	CL	SANDY Lean CLAY	subrounded	dark yellowish brown	moist	fine to medium sand	Medium	Stiff
B160-5.0	CL	SANDY Lean CLAY	subrounded	yellowish brown	moist	fine to medium sand	Medium	Stiff
B161-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	0	Loose
B161-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	olive brown	moist	fine to coarse sand	Low	Medium Dense
B161-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	grayish brown	moist	fine to coarse gravel	Low	Very Dense
B161-5.0	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Very Dense DECOMPOSED GRANITICS
B162-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B162-1.0	SM	SILTY SAND with GRAVEL	angular	olive brown	moist	fine to coarse gravel	none	Medium Dense
B162-2.5	SW	Well-graded SAND	angular	light gray	moist	fine to coarse sand	none	Dense
B162-5.0	SW	Well-graded SAND	angular	grayish brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
B163-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B163-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
B163-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B163-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B163-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B164-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B164-1.0	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B164-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
B164-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Dense
B165-0.5	SM	SILTY SAND with GRAVEL	subrounded	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B165-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B165-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B165-5.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B166-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B166-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B166-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B166-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B167-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B167-1.0	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B167-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B167-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B168-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B168-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
B168-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	Low	Medium Dense
B168-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B169-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B169-1.0	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Loose
B169-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B169-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B170-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Loose
B170-1.0	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Medium Dense
B170-2.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
B170-5.0	SM	SILTY SAND	subangular	olive	moist	fine to medium sand	none	Dense
B171-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Loose
B171-1.0	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
B171-2.5	SM	SILTY SAND	subrounded	grayish brown	moist	fine to medium sand	none	Dense
B171-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
B172-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B172-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B172-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense 10" RECOVERY
B172-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to medium sand	Medium	Dense
B173-0.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Medium Dense
B173-1.0	SM	SILTY SAND	subrounded	brown	moist	fine sand	none	Dense
B173-2.5	SM	SILTY SAND	subrounded	light brown	moist	fine sand	none	Very Dense REFUSAL @ 3.0 FT BGS
B174-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
B174-1.0	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to coarse sand	Low	Medium Dense
B174-2.5	SM	SILTY SAND	subrounded	yellowish brown	moist	very fine to fine sand	none	Dense
B174-5.0	SP	Poorly graded SAND	subrounded	light gray	moist	fine sand	none	Dense
B175-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
B175-1.0	SP	Poorly graded SAND with GRAVEL	subrounded	light gray	moist	fine sand	none	Dense
B175-2.5	SP	Poorly graded SAND	subrounded	light gray	moist	fine sand	none	Dense
B175-5.0	SW	Well-graded SAND with GRAVEL	angular	light gray	moist	fine to coarse sand with fine gravel	none	Dense
B176-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Loose
B176-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
B176-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B176-5.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
B177-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B177-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B177-2.5	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B177-5.0	SM	SILTY SAND	subangular	black	moist	fine to medium sand	none	Medium Dense CHEMICAL ODOR
B178-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B178-1.0	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
B178-2.5	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse gravel	none	Medium Dense
B178-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse gravel	Low	Medium Dense
B179-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B179-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B179-2.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse gravel	none	Medium Dense
B179-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark gray	moist	fine to coarse gravel	Low	Medium Dense
B181-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
B181-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense 12" RECOVERY
B181-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B181-5.0	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse gravel	none	Dense
B182-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B182-1.0	SM	SILTY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B182-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B182-5.0	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	Low	Dense
B183-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
B183-1.0	SM	SILTY SAND	angular	gray	moist	fine to coarse sand	none	Dense
B183-2.5	SC	CLAYEY SAND	angular	dark brown	moist	fine to coarse sand	Low	Dense
B183-5.0	SC	CLAYEY SAND	angular	dark brown	moist	fine to coarse sand	Medium	Dense
B184-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B184-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
B184-2.5	SC	CLAYEY SAND	subangular	dark brown	moist	fine to coarse sand	Low	Dense
B184-5.0	SP	Poorly graded SAND	subangular	light gray	moist	fine sand	none	Dense
B185-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse gravel	none	Loose
B185-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
B185-2.5	SP	Poorly graded SAND	subangular	light gray	moist	fine sand	none	Very Dense
B185-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B186-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B186-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
B186-2.5	SC	CLAYEY SAND	subangular	dark brown	moist	fine to coarse sand	Low	Very Dense
B186-5.0	CL	SANDY Lean CLAY	subangular	dark yellowish brown	moist	fine sand	High	Very Stiff
B187-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B187-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
B187-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to coarse sand	none	Very Dense
B187-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	Low	Dense
B188-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B188-1.0	SW	Well-graded SAND	angular	light gray	dry to moist	fine to coarse sand	none	Dense REFUSAL @ 2.0FT BGS, NO RECOVERY
B189-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B189-1.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B189-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Medium Dense
B189-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Medium Dense
B190-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B190-1.0	SP	Poorly graded SAND	subangular	gray	moist	fine sand	none	Medium Dense
B190-2.5	SP	Poorly graded SAND	subangular	yellowish brown	moist	fine sand	none	Dense
B190-5.0	SP	Poorly graded SAND	subangular	yellowish brown	moist	fine sand	none	Dense
B191-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B191-1.0	SP	Poorly graded SAND	subangular	gray	moist	fine sand	none	Dense
B191-2.5	ML	SILT	subangular	dark gray	moist	0	none	Medium Stiff
B191-5.0	ML	SILT with SAND	subangular	dark gray	moist	fine sand	none	Medium Stiff
B192-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B192-1.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	Low	Medium Dense
B192-2.5	SC	CLAYEY SAND	angular	reddish brown	moist	fine to medium sand	Low	Medium Dense
B192-5.0	OL	ORGANIC Lean SILT with SAND	subangular	black	moist	fine to medium sand	High	Medium Stiff
B193-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B193-1.0	SP	Poorly graded SAND	subangular	gray	moist	fine sand	none	Dense
B193-2.5	SP	Poorly graded SAND	subangular	gray	moist	fine sand	none	Dense
B193-5.0	SM	SILTY SAND	subangular	gray	moist	fine sand	none	Dense
B194-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to coarse sand	none	Loose

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B194-1.0	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine sand	none	Medium Dense
B194-2.5	SM	SILTY SAND	subrounded	light gray	moist	fine sand	none	Dense
B194-5.0	SM	SILTY SAND	subrounded	light gray	moist	fine sand	none	Dense
B195-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
B195-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B195-2.5	SC	CLAYEY SAND	subrounded	grayish brown	moist	fine to medium sand	Low	Dense
B195-5.0	SC	CLAYEY SAND	subrounded	yellowish brown	moist	fine to medium sand	Medium	Dense
B196-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B196-1.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Dense
B196-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Very Dense REFUSAL @ 3.0 FT BGS
B197-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Loose
B197-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Medium Dense
B197-2.5	ML	SILT with SAND	subrounded	olive	moist	very fine to fine sand	Low	Medium Stiff
B197-5.0	ML	SILT with SAND	subrounded	yellowish brown	moist	very fine to fine sand	Medium	Hard
B198-0.5	SM	SILTY SAND	subrounded	gray	dry to moist	fine to coarse sand	none	Loose
B198-1.0	SM	SILTY SAND	subangular	gray	moist	fine sand	none	Medium Dense
B198-2.5	SM	SILTY SAND	subangular	very dark brown	moist	fine to medium sand	none	Medium Dense
B198-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
B199-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
B199-1.0	SC	CLAYEY SAND	subrounded	olive brown	moist	fine to medium sand	Low	Dense
B199-2.5	SC	CLAYEY SAND	subangular	grayish brown	moist	fine sand	Medium	Dense
B199-5.0	OL	ORGANIC Lean CLAY with SAND	subrounded	black	moist	fine sand	High	Stiff
B200-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B200-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B200-2.5	SW	Well-graded SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense REFUSAL @ 3.0 FT BGS
B201-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B201-1.0	SW	Well-graded SAND	angular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B201-2.5	SW	Well-graded SAND	subangular	light yellowish brown	moist	fine to coarse sand	none	Dense
B201-5.0	SC	CLAYEY SAND	subangular	dark brown	moist	fine to coarse sand	Low	Dense
B202-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B202-1.0	SC	CLAYEY SAND	angular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
B202-2.5	CL	SANDY Lean CLAY	rounded	dark yellowish brown	moist	fine to medium sand	Medium	Medium Dense
B202-5.0	SC	CLAYEY SAND	subangular	dark brown	moist	fine to coarse sand	Low	Dense
B203-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B203-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
B203-2.5	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	Low	Medium Dense
B203-5.0	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse gravel	Low	Medium Dense
B204-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Loose
B204-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B204-2.5	SC	CLAYEY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
B204-5.0	CL	SANDY Lean CLAY	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Stiff
B205-0.5	SM	SILTY SAND	subrounded	light brown	dry to moist	fine to medium sand	none	Loose
B205-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B205-2.5	SM	SILTY SAND	subrounded	light brown	moist	fine sand	none	Medium Dense
B205-5.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
B206-0.5	SM	SILTY SAND	subrounded	pale brown	dry to moist	fine to coarse sand	none	Loose
B206-1.0	SM	SILTY SAND	subangular	grayish brown	moist	fine sand	none	Medium Dense
B206-2.5	SM	SILTY SAND	subrounded	grayish brown	moist	fine to medium sand	none	Medium Dense
B206-5.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine sand	none	Dense
B207-0.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Loose
B207-1.0	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Medium Dense
B207-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Medium Dense
B207-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand with fine gravel	none	Dense
B208-0.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Loose

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B208-1.0	SM	SILTY SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B208-2.5	SM	SILTY SAND with GRAVEL	subrounded	light brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B208-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
B209-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B209-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B209-2.5	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B209-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
B210-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
B210-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B210-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense
B210-5.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine sand	Medium	Dense
B211-0.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
B211-1.0	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
B211-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Very Dense
B211-5.0	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Very Dense
B212-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B212-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B212-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
B212-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
B213-0.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
B213-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B213-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Very Dense
B213-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Very Dense
B215-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B215-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B215-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
B215-5.0	CL	SANDY Lean CLAY	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Stiff
B216-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B216-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B216-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Dense
B216-5.0	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to coarse sand	Low	Dense
B217-0.5	SM	SILTY SAND	subrounded	light brown	dry to moist	fine to coarse sand	none	Loose
B217-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B217-2.5	SC	CLAYEY SAND	subangular	light brownish gray	moist	fine sand	Low	Medium Dense
B217-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine sand	Medium	Dense
B218-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
B218-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B218-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B218-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
B219-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Loose
B219-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
B219-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
B219-5.0	SC	CLAYEY SAND	subangular	dark brown	moist	fine to medium sand	Low	Dense
B220-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Loose
B220-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
B220-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
B220-5.0	SM	SILTY SAND	angular	dark brown	moist	fine to coarse sand	none	Very Dense
B221-0.5	SM	SILTY SAND	subrounded	light brown	dry to moist	fine to coarse sand	none	Loose
B221-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
B221-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B221-5.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense
B222-0.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Loose
B222-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
B222-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B222-5.0	SC	CLAYEY SAND	subrounded	dark reddish brown	moist	fine to medium sand	Medium	Dense
B223-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B223-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
B223-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
B223-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense
B224-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B224-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
B224-2.0	SW	Well-graded SAND with GRAVEL	angular	gray	moist	fine to coarse sand with fine gravel	none	Very Dense Ms, REFUSAL @ 2.0 FT BGS
B225-0.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Dense
B225-1.0	SW	Well-graded SAND with GRAVEL	angular	gray	dry to moist	fine to coarse gravel	none	Very Dense REFUSAL @ 1.0 FT BGS
B226-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B226-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
B226-2.5	CH	SANDY Fat CLAY	subangular	dark yellowish brown	moist	fine sand	Low	Very Stiff
B226-4.0	0	0	0	0	0	0	0	REFUSAL @ 4.0 FT BGS, NO RECOVERY
B227-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to coarse sand	none	Loose
B227-1.0	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to medium sand	none	Medium Dense
B227-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B227-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B228-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B228-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	none	Dense
B228-2.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Dense
B228-5.0	SM	SILTY SAND	subrounded	olive gray	moist	fine sand	none	Very Dense
B229-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B229-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B229-2.5	SM	SILTY SAND with GRAVEL	subrounded	gray	dry to moist	fine to coarse gravel	none	Dense
B229-5.0	SM	SILTY SAND	subangular	olive gray	moist	fine sand	none	Dense
B230-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B230-1.0	SC	CLAYEY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	Medium	Medium Dense
B230-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense Ms, 10" RECOVERY
B230-5.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense Ms
B231-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B231-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
B231-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense Ms, REFUSAL @ 3.0 FT BGS
B232-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B232-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
B232-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Very Dense REFUSAL @ 3.0 FT BGS
B233-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B233-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
B233-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense Ms, REFUSAL @ 3.0 FT BGS
B234-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B234-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B234-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense Ms, REFUSAL @ 3.0 FT BGS
B235-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B235-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B235-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
B235-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense Ms
B236-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B236-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense REFUSAL @ 1.5 FT BGS
B238-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B238-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B238-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
B238-5.0	SW	Well-graded SAND with GRAVEL	angular	gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B239-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B239-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Medium Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B239-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Dense
B239-5.0	ML	SANDY SILT	subangular	dark yellowish brown	moist	fine sand	none	Stiff
B240-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B240-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Medium Dense
B240-2.5	SM	SILTY SAND	subangular	reddish brown	moist	fine to medium sand	none	Dense
B240-5.0	SM	SILTY SAND	subangular	reddish brown	moist	fine to medium sand	none	Dense
B241-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
B241-1.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
B241-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Very Dense REFUSAL @ 3.0 FT BGS
B242-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B242-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B242-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense REFUSAL @ 2.5 FT BGS
B243-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B243-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense 12" RECOVERY
B243-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B243-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B244-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B244-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense 12" RECOVERY, Ms
B244-2.5	SC	CLAYEY SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand	Low	Very Dense
B244-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Medium	Dense
B245-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B245-1.0	SM	SILTY SAND	angular	yellowish brown	dry to moist	fine to medium sand	none	Dense REFUSAL @ 1.5 FT BGS
B246-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B246-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B246-2.5	SM	SILTY SAND with GRAVEL	angular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense DECOMPOSED GRANITICS
B246-5.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
B247-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
B247-1.0	SW	Well-graded SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Very Dense Ms, REFUSAL @ 1.5 FT BGS, 12" RECOVERY
B248-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B248-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
B248-2.5	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
B248-4.0	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Dense REFUSAL @ 4.0 FT BGS, DECOMPOSED GRANITICS
B249-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B249-1.0	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Dense REFUSAL @ 1.5 FT BGS
B250-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B250-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B250-2.5	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B250-5.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B251-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B251-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
B251-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Very Dense 3.0 Ms, REFUSAL @ 3.0 FT BGS
B252-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Loose
B252-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B252-2.5	CH	SANDY Fat CLAY	rounded	dark yellowish brown	moist	fine sand	Medium	Medium Stiff
B252-5.0	CH	Fat CLAY with GRAVEL	subrounded	olive	moist	fine to coarse gravel	Medium	Medium Stiff
B253-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B253-1.0	SM	SILTY SAND with GRAVEL	subangular	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense
B253-2.5	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B253-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B254-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B254-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B254-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B254-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B255-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B255-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B255-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Very Dense
B255-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Dense
B256-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B256-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B256-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B256-5.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse gravel	none	Dense
B257-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B257-1.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B257-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	Low	Dense Ms
B257-5.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B258-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B258-1.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
B258-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B258-5.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B259-0.5	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B259-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B259-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B259-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
B260-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B260-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B260-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B260-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine sand	Low	Medium Dense
B261-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B261-1.0	SC	CLAYEY SAND	rounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B261-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
B261-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B262-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B262-1.0	SM	SILTY SAND	subangular	pale brown	dry to moist	fine to medium sand	none	Medium Dense
B262-2.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B262-5.0	SC	CLAYEY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B263-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B263-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
B263-2.5	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to medium sand	Low	Medium Dense REFUSAL @ 4.0 FT BGS, NO RECOVERY
B264-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B264-1.0	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
B264-2.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
B264-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine sand	none	Medium Dense
B265-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B265-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose 12 INCH RECOVERY
B265-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B265-5.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B266-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B266-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B266-2.5	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Dense
B266-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense
B267-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B267-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B267-2.5	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Dense
B267-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B268-0.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B268-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B268-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
B268-5.0	CL	SANDY Lean CLAY	subangular	olive brown	moist	fine to medium sand	Low	Medium Stiff
B269-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B269-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B269-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
B269-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	Medium	Dense
B270-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B270-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense
B270-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
B270-5.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
B271-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B271-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B271-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense CAVING
B271-5.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B272-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B272-1.0	SM	SILTY SAND with GRAVEL	subangular	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
B272-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B272-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	Medium	Dense
B273-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B273-1.0	SP	Poorly graded SAND	angular	dark gray	moist	fine sand	none	Medium Dense
B273-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse gravel	none	Dense
B273-5.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense Ms
B274-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B274-1.0	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to medium sand	Low	Medium Dense
B274-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	Medium	Medium Stiff
B274-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	Low	Medium Dense
B275-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Loose
B275-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
B275-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B275-5.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	Low	Medium Dense
B276-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse gravel	none	Loose
B276-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B276-2.5	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
B276-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
B277-0.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B277-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B277-2.5	SW	Well-graded SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense DECOMPOSED GRANITICS
B277-5.0	SW	Well-graded SAND with GRAVEL	subangular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense DECOMPOSED GRANITICS
B278-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Loose
B278-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B278-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B278-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Medium	Dense
B279-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B279-1.0	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse gravel	none	Medium Dense
B279-2.5	SM	SILTY SAND with GRAVEL	subangular	gray	dry to moist	fine to coarse gravel	none	Medium Dense
B279-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B280-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B280-1.0	SM	SILTY SAND	subangular	strong brown	moist	fine sand	none	Medium Dense
B280-2.5	SM	SILTY SAND	subangular	yellowish brown	moist	fine sand	none	Dense
B280-5.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse gravel	none	Dense
B281-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B281-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
B281-2.5	SC	CLAYEY SAND	subangular	yellowish brown	moist	fine to coarse sand	Low	Dense
B281-5.0	SW	Well-graded SAND	angular	dark yellowish brown	moist	fine to coarse sand	none	Dense
B282-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B282-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B282-2.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse gravel	none	Medium Dense 12" RECOVERY
B282-5.0	0	0	0	0	0	0	0	NO RECOVERY
B283-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to medium sand	none	Loose
B283-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Medium Dense DECOMPOSED GRANITICS
B283-2.5	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
B283-5.0	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
B284-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B284-1.0	SW	Well-graded SAND	subangular	dark gray	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
B284-2.5	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense DECOMPOSED GRANITICS, REFUSAL @ 3.0 FT BGS
B285-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B285-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B285-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B285-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine sand	Medium	Medium Dense
B286-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B286-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to medium sand	none	Medium Dense
B286-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense
B286-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B287-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
B287-1.0	SW	Well-graded SAND	angular	dark grayish brown	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
B287-2.5	SM	SILTY SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand with fine gravel	none	Very Dense DECOMPOSED GRANITICS, REFUSAL @ 4.5 FT BGS, NO RECOVERY AT 4.5 FT
B288-0.5	SW	Well-graded SAND with GRAVEL	subangular	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense
B288-1.0	SW	Well-graded SAND	subangular	dark gray	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS REFUSAL @ 1FT BGS
B289-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B289-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B289-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
B289-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand with fine gravel	none	Dense
B291-0.5	SM	SILTY SAND with GRAVEL	subrounded	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B291-1.0	SM	SILTY SAND	subangular	dark gray	moist	fine to medium sand	none	Medium Dense
B291-2.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense
B291-5.0	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
B292-0.5	SM	SILTY SAND with GRAVEL	subrounded	light brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B292-1.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B292-2.5	SC	CLAYEY SAND	subrounded	yellowish brown	moist	fine to medium sand	Low	Medium Dense
B292-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
B293-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B293-1.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B293-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
B293-5.0	SW	Well-graded SAND	angular	dark gray	moist	fine to coarse sand	none	Dense DECOMPOSED GRANITICS
B294-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
B294-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
B294-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B294-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B295-0.5	SM	SILTY SAND with GRAVEL	subangular	gray	dry to moist	fine to coarse sand with fine gravel	none	Loose
B295-1.0	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
B295-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
B295-5.0	SW	Well-graded SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0182-2.5	SC	CLAYEY SAND with GRAVEL	subangular	light brown	moist	coarse sand to fine gravel	Low	Medium Dense rounded fine gravel
C0182-5.0	SC	CLAYEY SAND with GRAVEL	subangular	light brown	moist	coarse sand to fine gravel	Low	Medium Dense rounded fine gravel
C0183-0.5	CL	Lean CLAY with GRAVEL	angular	reddish brown	dry to moist	fine gravel	High	Medium Dense
C0183-1.0	CL	SANDY Lean CLAY	subangular	dark brown	dry to moist	fine to medium sand	High	Medium Dense
C0183-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	brown	dry to moist	coarse sand to fine gravel	Medium	Dense
C0183-5.0	SC	CLAYEY SAND with GRAVEL	subangular	white	dry	fine to coarse sand with fine gravel	Low	Medium Dense
C0184-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose
C0184-1.0	CL	SANDY Lean CLAY with GRAVEL	angular	reddish brown	dry to moist	fine sand	High	Medium Stiff angular fine gravel
C0184-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0184-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense subangular fine to coarse gravel
C0185-0.5	CL	Lean CLAY with GRAVEL	subrounded	reddish brown	dry to moist	fine gravel	High	Soft
C0185-1.0	CL	SANDY Lean CLAY with GRAVEL	subangular	reddish brown	dry to moist	fine to coarse sand with fine gravel	Medium	Medium Dense
C0185-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	Medium	Dense
C0185-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0186-0.5	SM	SILTY SAND	subangular	brown	dry	fine to coarse sand	none	Loose
C0186-1.0	SC	CLAYEY SAND with GRAVEL	subangular	white	dry	fine to coarse sand with fine gravel	Medium	Loose
C0186-2.5	SC	CLAYEY SAND	subangular	dark brown	moist	fine to coarse sand	Low	Medium Dense
C0186-5.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand	Low	Medium Dense subround coarse gravel
C0187-0.5	CL	Lean CLAY with GRAVEL	subangular	reddish brown	dry to moist	fine gravel	High	Medium Dense
C0187-1.0	CL	GRAVELLY lean CLAY with SAND	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	Medium	Medium Dense
C0187-2.5	CL	GRAVELLY lean CLAY with SAND	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Medium	Medium Dense
C0187-5.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense
C0188-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0188-1.0	SM	SILTY SAND with GRAVEL	subangular	light brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0188-2.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Medium Dense
C0188-5.0	SC	CLAYEY SAND with GRAVEL	subangular	light gray	moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0189-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0189-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0189-2.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense refusal at 2 feet
C0190-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense fine to coarse gravel
C0190-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense fone to coarse gravel
C0190-2.5	SC	CLAYEY SAND	subangular	light brown	moist	fine sand	Medium	Dense
C0190-5.0	SC	CLAYEY SAND with GRAVEL	rounded	light brown	moist	coarse sand	Low	Dense fine gravel
C0191-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0191-1.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0191-2.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Medium Dense
C0191-5.0	CL	Lean CLAY	0	reddish brown	dry to moist	0	High	Soft
C0192-0.5	CL	Lean CLAY with SAND	subangular	dark brown	dry to moist	fine sand	High	Medium Dense fine subangular gravel
C0192-1.0	CL	Lean CLAY with SAND	subangular	brown	dry to moist	fine sand	none	Medium Dense fine subangular gravel
C0192-2.5	CL	Lean CLAY with SAND	subangular	brown	dry to moist	fine sand	High	Medium Dense fine subangular gravel
C0192-5.0	CL	Lean CLAY with SAND	subangular	brown	dry to moist	fine sand	High	Medium Stiff fine subangular gravel
C0193-0.5	SC	CLAYEY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	High	Medium Dense
C0193-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	brown	dry to moist	0	Medium	Medium Dense
C0193-2.5	CL	SANDY Lean CLAY with GRAVEL	subangular	brown	moist	fine to coarse sand with fine gravel	Medium	Medium Stiff
C0193-5.0	CL	Lean CLAY	0	reddish brown	dry	0	High	Soft
C0194-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand	none	Medium Dense subangular fine to coarse gravel
C0194-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense subangular fine to coarse gravel
C0194-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense subangular fine to coarse gravel
C0194-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand	none	Medium Dense subangular fine to coarse gravel

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0195-0.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0195-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0195-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand with fine gravel	Low	Dense refusal at 2.5 feet
C0196-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0196-1.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0196-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Stiff
C0196-5.0	CL	SANDY Lean CLAY with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Hard
C0197-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0197-1.0	SM	SILTY SAND	subangular	brown	dry	fine to coarse sand	none	Loose refusal at 1.0 feet
C0198-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0198-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0198-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0198-5.0	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0199-0.5	CL	SANDY Lean CLAY	angular	brown	dry	fine sand	High	Medium Stiff
C0199-1.0	CL	SANDY Lean CLAY	angular	brown	dry	fine sand	High	Medium Stiff
C0199-2.5	CL	SANDY Lean CLAY	angular	brown	dry	fine to coarse sand	High	Medium Stiff
C0199-5.0	CL	SANDY Lean CLAY	angular	brown	dry	fine to coarse sand	High	Medium Stiff
C0200-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0200-1.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0200-2.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0200-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0201-0.5	SM	SILTY SAND with GRAVEL	angular	dark brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0201-1.0	SM	SILTY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0201-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel
C0201-5.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel
C0202-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose
C0202-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose
C0202-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to medium sand	Low	Medium Dense subangular fine gravel
C0202-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose
C0203-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Loose
C0203-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0203-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	brown	dry to moist	fine sand	Low	Medium Stiff angular fine gravel
C0203-5.0	CL	Lean CLAY	0	dark brown	moist	0	Medium	Soft
C0204-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose limited recovery
C0204-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose limited recovery
C0204-2.5	SM	SILTY SAND	subangular	brown	dry	fine to medium sand	none	Loose
C0204-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine sand	none	Loose angular coarse gravel
C0205-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine and coarse sand	none	Loose
C0205-1.0	SM	SILTY SAND	subrounded	brown	dry to moist	fine and coarse sand	none	Medium Dense
C0205-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0205-5.0	CL	SANDY Lean CLAY with GRAVEL	subangular	dark brown	dry to moist	fine to medium sand	Medium	Medium Stiff subangular fine to coarse gravel
C0206-0.5	SM	SILTY SAND	subangular	0	dry	fine sand	none	Medium Dense
C0206-1.0	SM	SILTY SAND	subangular	brown	dry	fine to medium sand	none	Medium Dense
C0206-2.5	CL	SANDY Lean CLAY with GRAVEL	subangular	brown	dry to moist	fine to medium sand	Medium	Medium Dense fine gravel
C0206-5.0	CL	SANDY Lean CLAY	subangular	brown	moist	fine to medium sand	Medium	Medium Dense
C0207-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand	none	Medium Dense subangular fine to coarse gravel
C0207-1.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry	fine to coarse sand	none	Medium Dense subangular fine to coarse gravel
C0207-2.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand	none	Medium Dense subangular fine to coarse gravel
C0207-5.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand with fine gravel	Medium	Medium Dense
C0208-0.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	none	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0208-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Stiff
C0208-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0208-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0209-0.5	SM	SILTY SAND	subangular	dark brown	dry to moist	fine to coarse sand	none	Medium Dense
C0209-1.0	SM	SILTY SAND	subangular	dark brown	dry to moist	fine to coarse sand	none	Medium Dense refusal @ 1.0 feet
C0210-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0210-1.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0210-2.5	CL	GRAVELLY lean CLAY	angular	dark brown	dry to moist	fine gravel	Medium	Medium Stiff
C0210-5.0	CL	GRAVELLY lean CLAY	angular	dark brown	dry to moist	fine gravel	Medium	Medium Stiff
C0211-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine sand	none	Dense subangular fine gravel
C0211-1.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine sand	none	Dense subangular fine gravel
C0211-2.5	CL	Lean CLAY with SAND	subangular	light brown	dry to moist	fine sand	Medium	Medium Stiff
C0211-5.0	CL	Lean CLAY with SAND	subangular	light brown	dry to moist	fine sand	Medium	Medium Dense
C0212-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	coarse sand to fine gravel	none	Loose
C0212-1.0	SM	SILTY SAND with GRAVEL	angular	dark brown	dry to moist	coarse sand to fine gravel	none	Loose
C0212-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine sand	none	Medium Dense fine angular gravel
C0212-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine sand	none	Medium Dense fine angular gravel
C0213-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0213-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0213-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	coarse sand to fine gravel	Low	Medium Dense
C0213-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
C0214-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0214-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	coarse sand to fine gravel	Low	Medium Dense
C0214-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	dry to moist	coarse sand to fine gravel	Low	Medium Dense
C0214-5.0	SC	CLAYEY SAND	subangular	dark brown	dry to moist	very fine sand	Low	Medium Stiff
C0215-0.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0215-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand	Low	Medium Dense
C0215-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0215-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	coarse sand to fine gravel	Medium	Medium Dense
C0216-0.5	CL	SANDY Lean CLAY	subangular	brown	dry to moist	fine sand	Low	Medium Stiff
C0216-1.0	CL	SANDY Lean CLAY	subangular	brown	dry to moist	fine sand	Low	Medium Stiff
C0216-2.5	CL	Lean CLAY with SAND	subangular	light brown	dry to moist	fine sand	Medium	Medium Stiff
C0216-5.0	CL	SANDY Lean CLAY	subangular	light brown	dry	fine sand	Medium	Medium Stiff
C0217-0.5	SM	SILTY SAND	subangular	brown	dry	fine sand	Low	Dense
C0217-1.0	SM	SILTY SAND	subangular	brown	dry	fine sand	none	Dense
C0217-2.5	SM	SILTY SAND	subangular	light brown	dry	fine sand	none	Loose
C0217-5.0	SM	SILTY SAND	subangular	light brown	dry	fine sand	none	Loose
C0218-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to medium sand	Medium	Hard angular fine gravel
C0218-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to medium sand	Medium	Hard angular fine to coarse gravel
C0218-2.5	SM	SILTY SAND with GRAVEL	rounded	light brown	dry	fine to coarse sand with fine gravel	none	Dense angular fine to coarse gravel, refusal @ 2.5 ft
C0219-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	none	Loose
C0219-1.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	none	Loose
C0219-2.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	none	Loose
C0219-5.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to medium sand	none	Loose subangular fine to coarse gravel
C0220-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand	none	Loose subangular fine to coarse gravel
C0220-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand	none	Loose subangular fine to coarse gravel
C0220-2.5	SM	SILTY SAND with GRAVEL	angular	dark brown	dry to moist	fine to coarse sand	none	Loose angular fine gravel
C0220-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand	none	Loose angular fine to coarse gravel
C0221-0.5	CL	SANDY Lean CLAY	subangular	brown	moist	fine to medium sand	Medium	Medium Stiff
C0221-1.0	CL	SANDY Lean CLAY	subangular	brown	moist	fine to medium sand	Medium	Medium Stiff
C0221-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine sand	none	Soft subround fine gravel
C0221-5.0	SC	CLAYEY SAND	subangular	brown	moist	fine sand	Medium	Medium Dense
C0222-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0222-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0222-2.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0222-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to medium sand	Low	Medium Dense
C0223-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0223-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose 10" Recovery
C0223-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0223-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse gravel	none	Medium Dense
C0224-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
C0224-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0224-2.5	SM	SILTY SAND with GRAVEL	angular	reddish brown	moist	fine to coarse gravel	none	Dense
C0224-5.0	SW	Well-graded SAND with GRAVEL	subrounded	yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0225-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Loose
C0225-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0225-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0225-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to coarse sand	Low	Medium Dense
C0226-0.5	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	Low	Loose
C0226-1.0	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	Low	Loose 12" Recovery
C0226-2.5	SM	SILTY SAND with GRAVEL	angular	reddish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0226-5.0	SW	Well-graded SAND with GRAVEL	subrounded	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0227-0.5	SM	SILTY SAND with GRAVEL	subangular	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0227-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
C0227-2.5	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0227-5.0	SM	SILTY SAND	subrounded	olive brown	moist	fine to coarse sand	none	Dense
C0228-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to coarse sand	none	Loose
C0228-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to coarse sand	none	Loose 10" Recovery
C0228-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to coarse sand	none	Loose
C0228-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0229-0.5	SM	SILTY SAND with GRAVEL	subrounded	light yellowish brown	moist	fine to coarse sand with fine gravel	none	Loose
C0229-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0229-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0229-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0230-0.5	SM	SILTY SAND	rounded	dark brown	moist	fine to coarse sand	none	Loose
C0230-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0230-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0230-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0231-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Loose
C0231-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark brown	moist	fine to coarse sand with fine gravel	none	Loose
C0231-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0231-5.0	SC	CLAYEY SAND	subrounded	yellowish brown	moist	fine to medium sand	Low	Medium Dense
C0232-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose
C0232-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0232-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0232-5.0	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0233-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Loose
C0233-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Loose
C0233-2.5	SW	Well-graded SAND with GRAVEL	subrounded	dark grayish brown	wet	fine to coarse sand with fine gravel	none	Medium Dense
C0233-5.0	CL	SANDY Lean CLAY	subrounded	dark yellowish brown	moist	fine to coarse sand	Medium	Medium Stiff
C0234-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Loose
C0234-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0234-2.5	SC	CLAYEY SAND	subrounded	reddish brown	moist	fine to medium sand	Low	Medium Dense
C0234-5.0	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	Medium	Loose
C0235-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0235-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0235-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0235-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0236-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0236-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0236-2.5	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse gravel	none	Dense
C0236-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0237-0.5	SM	SILTY SAND	subrounded	reddish brown	moist	fine to medium sand	none	Medium Dense
C0237-1.0	SM	SILTY SAND	subrounded	reddish brown	moist	fine to medium sand	none	Medium Dense Refusal @ 1.5 ft
C0238-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0238-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose 10" Recovery
C0238-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to medium sand	Low	Dense
C0238-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
C0238-5.0	SM	SILTY SAND	subangular	reddish brown	moist	fine to medium sand	none	Very Dense
C0239-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0239-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0239-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark reddish brown	moist	fine to coarse sand	Low	Dense
C0239-2.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse gravel	none	Dense
C0239-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense 4" Recovery due to Gravel
C0240-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
C0240-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0240-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
C0240-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense 4" Recovery due to Gravel
C0241-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Loose
C0241-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0241-2.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Dense
C0241-5.0	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0242-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0242-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to coarse sand	none	Loose 12" Recovery
C0242-2.5	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to medium sand	Low	Medium Dense
C0242-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist to wet	fine to coarse sand with fine gravel	Low	Medium Dense
C0243-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0243-1.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0243-2.5	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	Low	Medium Dense
C0243-5.0	SM	SILTY SAND with GRAVEL	rounded	dark gray	moist	fine to coarse gravel	none	Medium Dense
C0244-0.5	SM	SILTY SAND with GRAVEL	rounded	dark brown	moist	fine to medium sand	none	Medium Dense
C0244-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0244-2.5	SM	SILTY SAND with GRAVEL	subangular	dark gray	moist	fine to coarse gravel	none	Dense
C0244-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
C0245-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0245-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0245-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
C0245-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark gray	moist	fine to coarse gravel	none	Dense
C0246-0.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	Low	Medium Dense
C0246-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse gravel	Low	Dense
C0246-2.5	SM	SILTY SAND with GRAVEL	subangular	dark gray	moist	fine to coarse gravel	none	Dense 6" Recovery due to Gravel
C0246-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
C0247-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse gravel	none	Dense
C0247-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Very Dense Refusal @ 1.5 ft
C0248-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0248-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
C0248-2.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0248-5.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Dense
C0249-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0249-1.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0249-2.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense

Soil Sample Log

P/N 603008001

Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0249-5.0	SM	SILTY SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse gravel	none	Dense
C0250-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0250-1.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0250-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
C0250-5.0	SC	CLAYEY SAND	rounded	yellowish brown	moist	fine to medium sand	Medium	Dense
C0251-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark gray	moist	fine to coarse sand with fine gravel	none	Loose
C0251-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
C0251-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
C0251-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist to wet	fine to coarse sand	none	Medium Dense
C0252-0.5	SM	SILTY SAND with GRAVEL	rounded	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0252-1.0	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0252-2.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Dense
C0252-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0253-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0253-1.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Medium Dense Refusal @ 1.5 ft
C0254-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
C0254-1.0	SM	SILTY SAND	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense Refusal @ 1.5 ft
C0255-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0255-1.0	SC	CLAYEY SAND	angular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0255-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
C0255-5.0	SP	Poorly graded SAND	subrounded	grayish brown	moist	fine sand	none	Very Dense
C0256-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0256-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0256-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense Ms
C0256-5.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Very Dense Ms
C0257-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Medium Dense
C0257-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0257-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Very Dense Ms
C0257-5.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Very Dense Ms
C0258-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Loose
C0258-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0258-2.5	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Medium	Medium Dense
C0258-5.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
C0259-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose
C0259-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0259-2.5	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
C0259-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0260-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0260-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0260-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0260-5.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
C0261-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0261-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0261-2.5	SC	CLAYEY SAND	subangular	brownish yellow	moist	fine to medium sand	Low	Medium Dense
C0261-5.0	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	Low	Medium Dense
C0262-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose
C0262-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0262-2.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense
C0262-5.0	SM	SILTY SAND	subrounded	brown	moist	fine to medium sand	none	Medium Dense
C0263-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist to wet	fine to coarse sand	none	Loose
C0263-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0263-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
C0263-5.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
C0264-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0264-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0264-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0264-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0265-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose
C0265-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0265-2.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0265-5.0	SW	Well-graded SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0266-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Loose
C0266-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0266-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
C0266-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	none	Dense
C0267-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Loose
C0267-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0267-2.5	SM	SILTY SAND	subangular	dark gray	moist	fine to medium sand	none	Medium Dense
C0267-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
C0268-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
C0268-1.0	SM	SILTY SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0268-2.5	SM	SILTY SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0268-5.0	SM	SILTY SAND	subrounded	grayish brown	moist	fine sand	none	Medium Dense
C0269-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0269-1.0	SW	Well-graded SAND	subrounded	brown	moist	fine to coarse sand	none	Medium Dense
C0269-2.5	SW	Well-graded SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0269-5.0	SW	Well-graded SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Dense
C0270-0.5	SW	Well-graded SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose
C0270-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine gravel	none	Medium Dense
C0270-2.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0270-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Dense
C0271-0.5	SW	0	subrounded	brown	moist	fine to coarse sand	none	Loose
C0271-1.0	SW	Well-graded SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0271-2.5	SW	Well-graded SAND	subrounded	brown	moist	fine to coarse sand	none	Medium Dense
C0271-5.0	SW	Well-graded SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0272-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Loose
C0272-1.0	SP	Poorly graded SAND	subangular	pale brown	moist	fine to coarse sand	none	Medium Dense
C0272-2.5	SP	Poorly graded SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0272-5.0	SP	Poorly graded SAND	subangular	light yellowish brown	moist	fine to medium sand	none	Medium Dense Iron Oxide Staining
C0273-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist to wet	fine to medium sand	none	Loose
C0273-1.0	ML	SANDY SILT	subrounded	reddish brown	moist	very fine sand	Low	Hard
C0273-2.5	ML	SANDY SILT	subrounded	brown	moist	fine sand	Low	Hard
C0273-5.0	CL	GRAVELLY lean CLAY	subangular	reddish brown	moist	fine to coarse gravel	High	Hard
C0275-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Loose
C0275-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Loose
C0275-2.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0275-5.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0278-0.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense
C0278-1.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	none	Dense
C0278-2.5	CL	SANDY Lean CLAY	subangular	light gray	moist	fine to coarse sand	none	Very Stiff
C0278-5.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to coarse sand	none	Dense
C0280-0.5	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine to medium sand	Medium	Stiff
C0280-1.0	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine to medium sand	Medium	Stiff
C0280-2.5	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine sand	none	Stiff
C0280-5.0	SC	CLAYEY SAND	subangular	gray	moist	fine to medium sand	none	Dense
C0282-0.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	none	Dense
C0282-1.0	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	none	Dense
C0282-2.5	SC	CLAYEY SAND	subangular	dark brown	moist to wet	fine to coarse sand with fine gravel	Low	Dense some gravel

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0282-5.0	SC	CLAYEY SAND	subangular	grayish brown	moist to wet	fine to coarse sand with fine gravel	none	Dense
C0283-0.5	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0283-1.0	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0283-2.5	SM	SILTY SAND with GRAVEL	angular	light brown	moist	fine to coarse sand	none	Dense trace clay
C0283-5.0	SC	CLAYEY SAND	angular	grayish brown	dry to moist	fine to coarse sand	Low	Dense some gravel
C0284-0.5	CL	SANDY Lean CLAY	angular	grayish brown	moist	fine to coarse sand	Medium	Stiff
C0284-1.0	CL	SANDY Lean CLAY	angular	grayish brown	moist	fine to coarse sand	Medium	Stiff
C0284-2.5	SC	CLAYEY SAND	angular	light brown	moist to wet	fine to coarse sand with fine gravel	none	Dense
C0284-5.0	SC	CLAYEY SAND with GRAVEL	angular	gray	moist	fine to coarse sand	Low	Dense
C0285-0.5	SM	SILTY SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand	none	Medium Dense
C0285-1.0	SM	SILTY SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand	none	Dense refusal @ 1.0 ft bgs
C0286-0.5	SW	Well-graded SAND with GRAVEL	subrounded	light brown	moist	fine to coarse sand with fine gravel	none	Medium Dense trace clay
C0286-1.0	SW	Well-graded SAND with GRAVEL	subrounded	light brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0286-2.5	SW	Well-graded SAND with GRAVEL	subrounded	light brown	moist	fine to coarse sand	none	Dense some silt
C0286-5.0	SW	Well-graded SAND with GRAVEL	subangular	brown	moist	fine to coarse sand	none	Dense some silt
C0287-0.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	none	Medium Dense
C0287-1.0	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	none	Medium Dense
C0287-2.5	SC	CLAYEY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand with fine gravel	none	Dense
C0287-5.0	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine to medium sand	Low	Very Stiff trace gravel
C0288-0.5	SM	SILTY SAND with GRAVEL	subangular	reddish brown	dry to moist	fine gravel	none	Medium Dense
C0288-1.0	SM	SILTY SAND with GRAVEL	subangular	reddish brown	dry to moist	fine sand	none	Medium Dense fine gravel
C0288-2.5	SP	Poorly graded SAND	subangular	reddish brown	dry to moist	fine sand	none	Medium Dense sp-sm
C0288-5.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine gravel	none	Medium Dense
C0289-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine sand	none	Medium Dense
C0289-1.0	CL	SANDY Lean CLAY	subangular	reddish brown	dry to moist	fine sand	Low	Stiff
C0289-2.5	ML	SANDY SILT	subangular	light brownish gray	dry to moist	fine sand	Low	Stiff
C0289-5.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry	fine sand	none	Medium Dense fine angular gravel
C0290-0.5	ML	SANDY SILT WITH GRAVEL	subangular	grayish brown	dry to moist	fine gravel	Low	Stiff
C0290-1.0	ML	SANDY SILT	subangular	light brownish gray	dry to moist	fine sand	Low	Stiff
C0290-2.5	CL	SANDY Lean CLAY with GRAVEL	subangular	reddish brown	dry to moist	fine sand	Low	Stiff fine gravel
C0290-5.0	SM	SILTY SAND	subrounded	brown	moist	fine sand	none	Medium Dense trace fine gravel
C0291-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to coarse sand	none	Medium Dense
C0291-1.0	SM	SILTY SAND	subangular	light brown	dry to moist	fine to coarse sand	none	Medium Dense trace fine gravel
C0291-2.5	SM	SILTY SAND with GRAVEL	subangular	reddish brown	moist	fine to medium sand	none	Medium Dense fine gravel
C0291-5.0	ML	SANDY SILT	subangular	light brownish gray	dry to moist	fine sand	none	Stiff
C0292-0.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense
C0292-1.0	ML	SANDY SILT WITH GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Stiff
C0292-2.5	ML	SANDY SILT WITH GRAVEL	subangular	grayish brown	dry to moist	fine to medium sand	none	Stiff fine gravel
C0292-5.0	ML	SANDY SILT WITH GRAVEL	subangular	grayish brown	dry to moist	fine sand	none	Stiff
C0293-0.5	SW	Well-graded SAND	subangular	brown	moist	fine to coarse sand	none	Loose trace silt
C0293-1.0	SW	Well-graded SAND	subangular	brown	moist	fine to coarse sand	none	Medium Dense
C0293-2.5	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand	none	Medium Dense
C0293-5.0	SM	SILTY SAND with GRAVEL	subangular	light reddish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0294-0.5	SM	SILTY SAND	subangular	brown	moist	fine and coarse sand	none	Medium Dense
C0294-1.0	SW	Well-graded SAND	subangular	brown	dry to moist	fine and coarse sand	none	Medium Dense sw-sm
C0294-2.5	SW	Well-graded SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense trace silt
C0294-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0295-0.5	SM	SILTY SAND	subrounded	brown	moist	fine to medium sand	none	Medium Dense
C0295-1.0	SM	SILTY SAND	subrounded	brown	moist	fine to coarse sand	none	Medium Dense trace fine gravel
C0295-2.5	SW	Well-graded SAND	subrounded	brown	dry to moist	fine to coarse sand	none	Medium Dense trace fine gravel
C0295-5.0	CL	SANDY Lean CLAY	subrounded	dark brown	moist	fine to medium sand	Low	Stiff
C0296-0.5	SC	CLAYEY SAND	subrounded	brown	moist	fine to coarse sand	none	Medium Dense
C0296-1.0	SM	SILTY SAND	subrounded	brown	moist	fine to coarse sand	none	Medium Dense
C0296-2.5	SM	SILTY SAND	subrounded	brown	moist	fine to coarse sand	none	Medium Dense sw-sm

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0296-5.0	SW	Well-graded SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand with fine gravel	none	Medium Dense sw-sm
C0297-0.5	SC	CLAYEY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0297-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	reddish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0297-2.5	ML	SANDY SILT	subrounded	light reddish brown	moist	fine sand	none	Stiff
C0297-5.0	ML	SANDY SILT WITH GRAVEL	subrounded	light brown	moist	fine sand	none	Stiff fine subrounded gravel
C0298-0.5	SW	Well-graded SAND with GRAVEL	subrounded	brown	0	fine to coarse sand with fine gravel	none	Medium Dense
C0298-1.0	SW	Well-graded SAND with GRAVEL	subrounded	brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0298-2.5	SW	Well-graded SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0298-3.5	SW	Well-graded SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense refusal at 3.5 ft bgs
C0299-0.5	SW	Well-graded SAND	subangular	olive brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0299-1.0	SM	SILTY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	none	Dense trace clay
C0299-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	0	0	none	Dense
C0299-5.0	SC	CLAYEY SAND	subangular	light brown	moist	fine to coarse sand	none	Dense
C0300-0.5	SC	CLAYEY SAND	subangular	light brown	moist	fine to coarse sand with fine gravel	none	Dense
C0300-1.0	SC	CLAYEY SAND	subangular	light brown	0	fine to coarse sand with fine gravel	none	Dense
C0300-2.5	SC	CLAYEY SAND	subangular	light brown	0	fine to coarse sand with fine gravel	none	Dense
C0300-5.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand	none	Dense trace clay
C0301-0.5	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0301-1.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0301-2.5	CL	SANDY Lean CLAY	subangular	grayish brown	moist	fine to coarse sand with fine gravel	Low	Stiff
C0301-5.0	CL	SANDY Lean CLAY	subangular	grayish brown	moist	fine to coarse sand	Medium	Very Stiff some gravel
C0302-0.5	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand with fine gravel	Medium	Medium Dense
C0302-1.0	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand with fine gravel	Medium	Medium Dense
C0302-2.5	SM	SILTY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand	none	Dense trace clay
C0302-5.0	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand with fine gravel	none	Dense
C0303-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand	none	Dense trace clay
C0303-1.0	SM	SILTY SAND with GRAVEL	subangular	light brown	0	fine to coarse sand	none	Dense
C0303-2.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Dense
C0303-5.0	SM	SILTY SAND	subangular	olive brown	moist	fine to coarse gravel	none	Dense
C0304-0.5	SC	CLAYEY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand	none	Dense
C0304-1.0	CL	Lean CLAY with SAND	subangular	light brownish gray	moist	fine to medium sand	none	Stiff
C0304-2.5	CL	Lean CLAY with SAND	subangular	reddish gray	moist	fine to medium sand	none	Very Stiff
C0304-5.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	none	Dense
C0305-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand with fine gravel	none	Dense
C0305-1.0	SM	SILTY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand with fine gravel	none	Dense
C0305-2.5	SM	SILTY SAND	subangular	grayish brown	moist	fine to coarse gravel	none	Dense some clay
C0305-5.0	SM	SILTY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand	none	Dense
C0306-0.5	SM	SILTY SAND	subangular	light brown	dry to moist	fine to coarse sand	none	Medium Dense some gravel
C0306-1.0	SM	SILTY SAND	subangular	light brown	dry to moist	fine to coarse sand	none	Medium Dense some gravel
C0306-2.5	SM	SILTY SAND	subangular	brown	moist	fine to coarse sand	none	Dense
C0306-5.0	SM	SILTY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	none	Dense
C0307-0.5	SC	CLAYEY SAND	subangular	light brown	moist	fine to coarse sand	Low	Dense some gravel
C0307-1.0	SC	CLAYEY SAND	subangular	light brown	moist	fine to coarse sand	Low	Dense some gravel
C0307-2.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Medium	Dense
C0307-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	Low	Very Dense
C0308-0.5	SM	SILTY SAND with GRAVEL	angular	light brown	moist	fine to coarse sand with fine gravel	none	Very Dense
C0308-1.0	SM	SILTY SAND with GRAVEL	angular	light brown	moist	fine to coarse sand with fine gravel	none	Very Dense refusal @ 1'
C0309-0.5	SM	SILTY SAND	angular	light brown	moist	fine to coarse sand with fine gravel	none	Dense some clay
C0309-1.0	SM	SILTY SAND	angular	light brown	moist	fine to coarse sand with fine gravel	none	Dense some clay
C0309-2.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
C0309-4.5	SW	Well-graded SAND with GRAVEL	angular	light reddish brown	moist	fine to coarse sand	none	Dense some clay, refusal @ 4.5 ft
C0310-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand	none	Dense
C0310-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand	none	Dense
C0310-2.5	SC	CLAYEY SAND with GRAVEL	angular	grayish green	moist	fine to coarse sand	Low	Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0310-5.0	CL	SANDY Lean CLAY	angular	grayish brown	moist	fine to coarse sand	Medium	Very Stiff
C0311-0.5	SC	CLAYEY SAND	angular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
C0311-1.0	SC	CLAYEY SAND	angular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Dense REFUSAL @ 1.0 FT BGS
C0312-0.5	SC	CLAYEY SAND	angular	light brown	dry to moist	fine to coarse sand	none	Medium Dense
C0312-1.0	SC	CLAYEY SAND	angular	light brown	dry to moist	fine to coarse sand	none	Medium Dense
C0312-2.5	SM	SILTY SAND with GRAVEL	subrounded	light brownish gray	moist	fine to coarse sand with fine gravel	none	Dense
C0312-3.0	SM	SILTY SAND with GRAVEL	subrounded	light brownish gray	moist	fine to coarse sand with fine gravel	none	Dense trace clay, refusal @ 3'
C0313-0.5	SM	SILTY SAND	subrounded	light brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0313-1.0	SM	SILTY SAND	subrounded	light brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0313-2.5	SM	SILTY SAND	subrounded	light brown	moist	fine to coarse sand	none	Dense some gravel, trace clay
C0313-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	Low	Dense
C0314-0.5	SC	CLAYEY SAND	angular	light reddish brown	moist	fine to coarse sand with fine gravel	Low	Dense
C0314-1.0	SC	CLAYEY SAND	angular	light reddish brown	moist	fine to coarse sand with fine gravel	Low	Dense
C0314-1.5	SC	CLAYEY SAND	angular	light reddish brown	moist	fine to coarse sand with fine gravel	Low	Dense refusal @ 1.5 ft
C0315-0.5	SM	SILTY SAND	angular	light brown	moist	fine to coarse sand with fine gravel	none	Medium Dense some clay
C0315-1.0	SM	SILTY SAND	angular	light brown	moist	fine to coarse sand with fine gravel	none	Medium Dense some clay
C0315-2.5	SC	CLAYEY SAND	angular	grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense refusal @ 2.5'
C0316-0.5	CL	SANDY Lean CLAY with GRAVEL	angular	gray	moist	fine to medium sand	Medium	Stiff
C0316-1.0	CL	SANDY Lean CLAY	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Stiff
C0316-2.5	CL	SANDY Lean CLAY	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Stiff
C0316-5.0	SC	CLAYEY SAND with GRAVEL	angular	light brownish gray	moist to wet	fine to coarse sand	Low	Dense
C0317-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand with fine gravel	none	Dense
C0317-1.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Dense some clay
C0317-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Dense some clay
C0318-0.5	ML	SANDY SILT	angular	light brown	moist	fine to medium sand	none	Medium Stiff
C0318-1.0	SC	CLAYEY SAND	angular	grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
C0318-2.5	SC	CLAYEY SAND	angular	grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
C0318-5.0	0	0	0	0	0	0	0	no recovery
C0319-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand	none	Dense
C0319-1.0	CL	Lean CLAY with SAND	angular	red	moist	fine to medium sand	Medium	Stiff some gravel
C0319-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	light reddish brown	moist	fine to coarse sand	Low	Stiff
C0319-5.0	CL	GRAVELLY lean CLAY with SAND	angular	dark grayish brown	moist	fine to coarse gravel	Low	Very Stiff
C0320-0.5	CL	SANDY Lean CLAY with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Stiff
C0320-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist to wet	fine to coarse sand	none	Dense trace silt
C0320-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	moist to wet	fine to coarse sand	none	Dense trace silt
C0320-5.0	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	Medium	Dense
C0321-0.5	CL	SANDY Lean CLAY with GRAVEL	angular	grayish brown	moist	fine to medium sand	Low	Stiff
C0321-1.0	CL	GRAVELLY lean CLAY	angular	light brownish gray	moist	0	Low	Hard trace clay
C0321-2.5	CL	GRAVELLY lean CLAY	angular	light brownish gray	moist	0	Low	Hard trace clay
C0321-5.0	CL	GRAVELLY lean CLAY with SAND	subangular	grayish brown	moist	fine to medium sand	Medium	Hard
C0322-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand	none	Dense
C0322-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand	Medium	Dense
C0322-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand	Medium	Dense
C0322-5.0	SC	CLAYEY SAND	angular	light reddish brown	moist	fine to medium sand	none	Dense trace gravel
C0323-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand	none	Dense
C0323-1.0	CL	SANDY Lean CLAY with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Stiff
C0323-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Stiff
C0323-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand	none	Dense
C0324-0.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense trace clay
C0324-1.0	CL	GRAVELLY lean CLAY with SAND	angular	dark grayish brown	moist	fine to coarse gravel	Medium	Very Stiff
C0324-2.5	CL	GRAVELLY lean CLAY with SAND	angular	dark grayish brown	moist	fine to coarse gravel	Medium	Very Stiff
C0324-5.0	CL	SANDY Lean CLAY with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Very Stiff
C0325-0.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense some clay
C0325-1.0	SC	CLAYEY SAND with GRAVEL	angular	light reddish brown	moist	fine to coarse sand	Medium	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0325-2.5	SC	CLAYEY SAND with GRAVEL	angular	light reddish brown	moist	fine to coarse sand	Medium	Dense
C0325-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Very Dense
C0326-0.5	SM	SILTY SAND	angular	light brown	dry to moist	fine to coarse sand	none	Medium Dense trace gravel
C0326-1.0	ML	SANDY SILT WITH GRAVEL	angular	reddish brown	moist	fine to medium sand	none	Stiff trace clay
C0326-2.5	ML	SANDY SILT WITH GRAVEL	angular	reddish brown	moist	fine to medium sand	none	Stiff trace clay
C0326-5.0	ML	SANDY SILT	angular	light reddish brown	moist	fine to coarse sand	none	Soft trace gravel
C0327-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand	none	Dense
C0327-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense
C0327-2.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense refusal @ 2'
C0328-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand	none	Dense
C0328-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to medium sand	Low	Dense
C0328-5.0	SM	SILTY SAND	angular	light reddish brown	moist	fine to medium sand	none	Dense some gravel, trace clay
C0329-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense trace clay
C0329-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark reddish brown	moist	fine to coarse sand	Low	Dense
C0329-5.0	SC	CLAYEY SAND with GRAVEL	angular	reddish brown	moist	fine to coarse sand	Medium	Dense
C0330-0.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0330-1.0	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand	none	Very Dense some weathered gravel
C0330-2.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand	none	Very Dense some weathered gravel
C0331-0.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	none	Dense
C0331-1.0	SC	CLAYEY SAND	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0331-2.5	SC	CLAYEY SAND	angular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0331-5.0	CL	SANDY Lean CLAY	angular	reddish brown	moist to wet	fine to coarse sand	Low	Very Stiff trace gravel
C0332-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand	none	Dense
C0332-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand	none	Dense
C0332-1.5	SC	CLAYEY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand	none	Dense refusal @ 1.5'
C0333-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
C0333-1.0	CL	SANDY Lean CLAY with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Hard
C0333-2.5	CL	SANDY Lean CLAY with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Hard weathered rock, refusal @ 2.5'
C0334-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand	Low	Dense
C0334-1.0	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to medium sand	Low	Very Dense
C0334-2.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to medium sand	Low	Very Dense
C0334-3.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to medium sand	Low	Very Dense some weathered rock, refusal @ 3.5 ft bgs
C0335-0.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	Low	Dense
C0335-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand with fine gravel	Medium	Very Dense
C0335-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand with fine gravel	Medium	Very Dense
C0336-0.5	SC	CLAYEY SAND with GRAVEL	angular	light brown	moist	fine to coarse sand	none	Dense
C0336-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	grayish brown	moist	fine to coarse sand	Low	Very Stiff
C0336-5.0	SC	CLAYEY SAND	angular	dark grayish brown	moist	fine to medium sand	none	Dense some gravel
C0337-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0337-2.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	dry to moist	coarse sand to fine gravel	none	Dense refusal @ 3'
C0338-0.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	none	Very Dense
C0338-1.0	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	none	Very Dense
C0338-1.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	none	Very Dense refusal @ 1.5 ft
C0340-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0340-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0340-2.5	SC	CLAYEY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand	none	Dense
C0340-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	reddish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0341-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to coarse sand	none	Dense
C0341-1.0	SM	SILTY SAND	subrounded	brown	dry to moist	fine to coarse sand	none	Dense refusal @ 1'
C0342-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
C0342-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
C0342-2.5	CL	SANDY Lean CLAY	angular	light brown	moist to wet	fine to coarse sand	Medium	Stiff
C0342-5.0	CL	SANDY Lean CLAY with GRAVEL	angular	dark gray	moist	fine to coarse sand	Medium	Very Stiff

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0343-0.5	SW	Well-graded SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand	none	Medium Dense trace gravel
C0343-1.0	SW	Well-graded SAND	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
C0343-2.5	SW	Well-graded SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense trace clay
C0343-3.5	SW	Well-graded SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand	none	Very Dense some weathered gravel, trace clay, refusal @ 3.5 ft
C0344-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0344-1.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse gravel	none	Dense
C0344-2.5	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
C0344-3.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Very Dense Refusal @ 3.0 ft
C0345-0.5	CL	SANDY Lean CLAY with GRAVEL	angular	dark gray	moist	fine sand	Medium	Very Stiff
C0345-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand	none	Dense
C0345-2.5	CL	Lean CLAY with SAND	angular	dark gray	moist	fine sand	Medium	Very Stiff trace gravel
C0345-5.0	CL	Lean CLAY with SAND	angular	dark gray	moist	very fine sand	Low	Very Stiff
C0346-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Loose
C0346-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
C0346-2.5	SM	SILTY SAND	subrounded	olive brown	moist	fine to medium sand	none	Dense
C0346-5.0	SM	SILTY SAND	subrounded	grayish brown	moist	fine sand	none	Dense
C0347-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine sand	Low	Dense
C0347-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine sand	Low	Dense
C0347-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand	Medium	Dense
C0347-5.0	CL	SANDY Lean CLAY with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	Medium	Very Stiff
C0348-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Medium Dense
C0348-1.0	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Medium Dense
C0348-2.5	ML	SANDY SILT	subrounded	dark brown	moist	very fine to fine sand	Low	Hard
C0348-5.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Dense
C0349-0.5	SM	SILTY SAND	subrounded	grayish brown	dry to moist	fine to coarse sand	none	Medium Dense
C0349-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0349-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
C0349-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0350-0.5	SM	SILTY SAND with GRAVEL	rounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0350-1.0	SM	SILTY SAND	subangular	yellowish brown	moist	fine to coarse sand	none	Dense
C0350-2.5	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to coarse sand	Medium	Dense
C0350-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to medium sand	Medium	Dense
C0351-0.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0351-1.0	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
C0351-2.5	SM	SILTY SAND	subangular	yellowish brown	dry to moist	fine to coarse sand	none	Dense
C0351-3.0	SW	Well-graded SAND	angular	yellowish brown	moist	fine to coarse sand	none	Very Dense Refusal @ 3.0 ft
C0352-0.5	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
C0352-1.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0352-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse gravel	none	Dense Coarse Gravel Refusal @ 2.5 ft
C0353-0.5	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to medium sand	none	Loose
C0353-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
C0353-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
C0353-3.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse gravel	Low	Dense Coarse Gravel and Cobble Refusal @ 3.0 ft
C0354-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
C0354-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	none	Medium Dense
C0354-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Dense
C0354-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Dense
C0355-0.5	SM	SILTY SAND	subrounded	brown	dry to moist	fine to medium sand	none	Loose
C0355-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
C0355-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine sand	none	Medium Dense
C0355-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to medium sand	Low	Dense
C0356-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Loose

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0356-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	none	Medium Dense
C0356-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Dense
C0356-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist to wet	fine to medium sand	Medium	Dense
C0357-0.5	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to medium sand	none	Loose
C0357-1.0	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
C0357-1.5	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense Coarse Gravel Refusal @ 1.5 ft
C0358-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
C0358-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0358-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark olive brown	moist	fine to coarse gravel	Low	Medium Dense Coarse Gravel Refusal @ 2.5 ft
C0359-0.5	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to coarse sand	none	Medium Dense
C0359-1.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense Coarse Gravel Refusal @ 1.0 ft
C0360-0.5	SM	SILTY SAND with GRAVEL	subrounded	yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
C0360-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0360-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	moist	fine to coarse sand with fine gravel	Medium	Dense
C0360-5.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to coarse sand	Medium	Dense
C0361-0.5	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
C0361-1.0	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to medium sand	none	Medium Dense
C0361-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse gravel	Medium	Dense
C0361-5.0	SW	Well-graded SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
C0362-0.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0362-1.0	SM	SILTY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse gravel	none	Medium Dense
C0362-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
C0362-3.5	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse gravel	Medium	Dense Refusal @ 3.5 ft
C0363-0.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
C0363-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0363-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0363-5.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0364-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse gravel	none	Medium Dense
C0364-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse gravel	none	Dense
C0364-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
C0364-5.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Dense
C0365-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0365-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
C0365-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	Low	Dense
C0365-5.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
C0366-0.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Loose
C0366-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0366-2.5	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to medium sand	Low	Dense
C0366-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand with fine gravel	none	Dense
C0367-0.5	SM	SILTY SAND with GRAVEL	subangular	dark gray	moist	fine to coarse sand with fine gravel	Low	Medium Dense
C0367-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse gravel	none	Dense
C0367-2.5	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Very Dense
C0367-5.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Very Dense
C0368-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0368-1.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0368-2.5	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0368-3.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand with fine gravel	none	Very Dense Refusal @ 3.0 ft
C0369-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0369-1.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to medium sand	Medium	Medium Dense
C0369-2.5	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to coarse sand	Medium	Dense
C0369-3.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse gravel	Medium	Dense Refusal @ 3.5 ft

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
C0370-0.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Loose
C0370-1.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0370-2.5	SM	SILTY SAND with GRAVEL	subangular	dark olive brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
C0370-5.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0371-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
C0371-1.0	SM	SILTY SAND	subrounded	olive brown	moist	fine to medium sand	none	Medium Dense
C0371-2.5	SW	Well-graded SAND	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0371-3.5	SW	Well-graded SAND	angular	dark gray	moist	fine to coarse sand	none	Very Dense Refusal @ 3.5 ft, Decomposed Granitics
C0372-0.5	SM	SILTY SAND	angular	dark grayish brown	moist	fine to medium sand	none	Dense trace clay
C0372-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense
C0372-2.5	SW	Well-graded SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0372-3.0	0	Well-graded SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense Refusal @ 3.0 ft
C0373-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense trace gravel
C0373-1.0	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
C0373-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense some gravel
C0373-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine sand	none	Dense
C0374-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0374-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to medium sand	none	Dense
C0374-2.0	SW	Well-graded SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense trace oxidation, refusal @ 2.0 ft bgs
C0375-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0375-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine to medium sand	none	Dense trace clay
C0375-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	none	Dense some DG
C0375-5.0	SW	Well-graded SAND with GRAVEL	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
C0376-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0376-1.0	SM	SILTY SAND	angular	dark brown	moist	fine to coarse sand	none	Dense some gravel
C0376-2.5	SW	Well-graded SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0376-4.0	SW	Well-graded SAND with GRAVEL	subangular	light gray	dry to moist	fine to coarse sand with fine gravel	none	Dense refusal @ 4.0 ft
C0377-0.5	SM	SILTY SAND	subangular	grayish brown	moist	fine to medium sand	none	Medium Dense trace roots
C0377-1.0	SM	SILTY SAND	angular	dark grayish brown	moist	fine to medium sand	none	Dense trace gravel
C0377-2.5	SW	Well-graded SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0377-3.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense some gravel, refusal @ 3.5 ft
C0378-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense some roots
C0378-1.0	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	none	Dense
C0378-2.5	CL	SANDY Lean CLAY	subangular	dark brown	moist	fine to medium sand	Low	Stiff
C0378-5.0	SC	CLAYEY SAND	angular	dark brown	moist	fine sand	Low	Stiff trace gravel
C0379-0.5	SW	Well-graded SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand	none	Dense some silt
C0379-1.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	none	Dense
C0379-2.0	SW	Well-graded SAND with GRAVEL	angular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense refusal @ 2.0 ft
C0380-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0380-1.0	SW	Well-graded SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
C0380-2.0	SW	Well-graded SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse gravel	none	Very Dense Refusal @ 2.0 ft
C0381-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
C0381-1.0	SP	Poorly graded SAND	angular	dark grayish brown	moist	fine sand	none	Dense
C0381-2.5	SW	Well-graded SAND	angular	dark gray	moist	fine to coarse sand	none	Dense
C0381-3.5	SW	Well-graded SAND	angular	dark gray	moist	fine to coarse sand	none	Very Dense Refusal @ 3.5 ft, Decomposed Granitics
C0382-0.5	SC	CLAYEY SAND	subrounded	yellowish brown	moist	fine sand	none	Medium Dense
C0382-1.0	SP	Poorly graded SAND	subangular	dark grayish brown	moist	fine sand	none	Medium Dense
C0382-2.5	ML	SANDY SILT	subrounded	dark yellowish brown	moist	very fine to fine sand	Low	Hard Few Clay
C0382-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
C0383-0.5	SM	SILTY SAND	subrounded	yellowish brown	dry to moist	fine to medium sand	none	Loose
C0383-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
C0383-2.5	SM	SILTY SAND with GRAVEL	subangular	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0173-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0173-2.5	CL	SANDY Lean CLAY	subangular	greenish gray	moist	fine sand	Medium	Stiff
D0173-5.0	SC	CLAYEY SAND	subangular	reddish brown	moist	fine to coarse sand	Medium	Medium Dense
D0174-0.5	SC	CLAYEY SAND	subrounded	reddish brown	dry to moist	fine sand	Medium	Medium Dense
D0174-1.0	SC	CLAYEY SAND	subangular	reddish brown	dry to moist	fine to coarse sand with fine gravel	Medium	Very Dense
D0174-2.5	SC	CLAYEY SAND	subangular	dark brown	dry to moist	fine to coarse sand	Medium	Dense
D0174-5.0	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to medium sand	Medium	Dense fine rounded gravel
D0175-0.5	SC	CLAYEY SAND	subrounded	light brown	dry to moist	fine to medium sand	Low	Medium Dense
D0175-1.0	SC	CLAYEY SAND	subrounded	light brownish gray	dry to moist	medium sand	Low	Medium Dense
D0175-2.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to medium sand	Low	Medium Stiff
D0175-5.0	SC	CLAYEY SAND with GRAVEL	angular	light brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0176-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0176-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Medium	Dense
D0176-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine sand	Medium	Dense
D0176-5.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0177-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Medium	Medium Dense
D0177-1.0	CL	Lean CLAY with SAND	angular	dark reddish brown	dry	coarse sand	Medium	Soft
D0177-2.5	SC	CLAYEY SAND with GRAVEL	subangular	light yellowish brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0177-5.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0178-0.5	SC	CLAYEY SAND	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0178-1.0	SC	CLAYEY SAND	subangular	brown	dry to moist	fine to medium sand	none	Dense
D0178-2.5	SC	CLAYEY SAND	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0178-5.0	SC	CLAYEY SAND	subangular	brown	dry to moist	fine to coarse sand	Medium	Medium Dense
D0179-0.5	CL	Lean CLAY with SAND	angular	dark reddish brown	dry to moist	coarse sand	Low	Soft
D0179-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense
D0179-2.5	CL	Lean CLAY with SAND	angular	dark reddish brown	dry	coarse sand	Medium	Soft
D0179-5.0	CL	Lean CLAY with SAND	angular	dark reddish brown	dry	coarse sand	Medium	Soft
D0180-0.5	SC	CLAYEY SAND with GRAVEL	angular	brownish yellow	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0180-1.0	SC	CLAYEY SAND with GRAVEL	angular	brownish yellow	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0180-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense
D0180-5.0	SC	CLAYEY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense
D0181-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine sand	Low	Medium Dense fine gravel
D0181-1.0	SC	CLAYEY SAND	subangular	brown	dry to moist	fine sand	none	Medium Dense
D0181-2.5	SC	CLAYEY SAND with GRAVEL	rounded	brown	dry to moist	fine sand	Low	Very Dense fine gravel
D0181-5.0	SP	Poorly graded SAND	subangular	light brown	dry to moist	very fine to fine sand	none	Medium Dense
D0182-0.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark reddish brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0182-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark reddish brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense
D0182-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine sand	Low	Dense fine gravel
D0182-5.0	SP	Poorly graded SAND	subangular	light brown	dry to moist	very fine to fine sand	none	Medium Dense
D0183-0.5	SC	CLAYEY SAND with GRAVEL	subrounded	brown	dry to moist	fine sand	Low	Medium Dense fine gravel
D0183-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	brown	dry to moist	fine sand	Low	Medium Dense fine gravel
D0183-2.5	SC	CLAYEY SAND with GRAVEL	subangular	reddish brown	dry to moist	fine to coarse gravel	Medium	Dense fine gravel
D0183-5.0	CL	CLAYEY SAND with GRAVEL	subrounded	reddish brown	dry to moist	fine sand	Medium	Stiff coarse to fine gravel
D0184-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine sand	Medium	Dense fine to coarse gravel
D0184-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse gravel	Medium	Medium Dense fine to coarse gravel
D0184-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0184-5.0	SM	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose
D0185-0.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	Medium	Medium Dense
D0185-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Medium	Medium Dense
D0185-2.5	SC	CLAYEY SAND with GRAVEL	angular	reddish brown	dry	fine sand	Medium	Very Dense coarse to fine gravel
D0185-5.0	SC	CLAYEY SAND with GRAVEL	angular	reddish brown	dry	fine to coarse sand with fine gravel	Medium	Very Dense
D0186-0.5	SC	CLAYEY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	Medium	Medium Dense
D0186-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	Medium	Medium Dense
D0186-2.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0186-5.0	SM	SILTY SAND with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0187-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose
D0187-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Loose
D0187-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0187-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	light brown	dry to moist	fine sand	Low	Medium Stiff fine gravel
D0188-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Stiff
D0188-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Soft
D0188-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0188-5.0	SP	Poorly graded SAND with GRAVEL	subangular	yellowish brown	dry to moist	fine sand	none	Medium Dense fine gravel
D0189-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense
D0189-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense
D0189-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Very Dense
D0189-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	yellowish brown	dry	fine sand	Low	Medium Dense fine subround gravel
D0190-0.5	SC	CLAYEY SAND with GRAVEL	rounded	reddish brown	dry to moist	fine to coarse sand with fine gravel	Medium	Soft
D0190-1.0	SM	SILTY SAND with GRAVEL	angular	reddish brown	dry to moist	fine to coarse sand with fine gravel	Medium	Stiff
D0190-2.5	SC	CLAYEY SAND with GRAVEL	subangular	reddish brown	dry to moist	fine to coarse sand with fine gravel	Medium	Medium Dense
D0190-5.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Medium	Medium Dense
D0191-0.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	none	Loose
D0191-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Dense
D0191-2.5	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Dense
D0191-5.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Low	Dense
D0192-0.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0192-1.0	SM	SILTY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	none	Loose
D0192-2.5	SP	Poorly graded SAND	subangular	yellowish brown	dry	fine sand	Low	Medium Dense
D0192-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Dense
D0193-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Dense
D0193-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0193-2.5	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Very Dense
D0193-5.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Loose
D0194-0.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	coarse sand	Low	Soft fine to coarse gravel
D0194-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	coarse sand	Low	Soft fine to coarse gravel
D0194-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0194-5.0	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0195-0.5	SC	CLAYEY SAND	angular	brown	dry to moist	fine sand	Medium	Stiff
D0195-1.0	SC	CLAYEY SAND	subangular	brown	dry to moist	fine to coarse gravel	Medium	Medium Dense
D0195-2.5	SC	CLAYEY SAND	subrounded	yellowish brown	dry to moist	fine sand	Low	Medium Dense
D0195-5.0	CL	SANDY Lean CLAY	subangular	brown	dry to moist	very fine sand	High	Stiff
D0196-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0196-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	coarse sand to fine gravel	none	Medium Dense
D0196-2.5	CL	SANDY Lean CLAY	subangular	dark brown	dry to moist	very fine sand	High	Soft
D0196-5.0	SM	SILTY SAND	subrounded	pale green	dry to moist	very fine sand	none	Medium Dense
D0197-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0197-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0197-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0197-5.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0198-0.5	SM	SILTY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	none	Loose
D0198-1.0	SM	SILTY SAND with GRAVEL	subrounded	brown	dry	fine to coarse sand with fine gravel	none	Loose
D0198-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	reddish brown	dry to moist	fine sand	Medium	Stiff fine to coarse gravel
D0198-5.0	SC	CLAYEY SAND with GRAVEL	subangular	reddish brown	dry to moist	fine sand	none	Medium Dense fine to coarse gravel
D0199-0.5	CL	SANDY Lean CLAY with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Medium	Medium Stiff
D0199-1.0	CL	SANDY Lean CLAY with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	Medium	Medium Stiff
D0199-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0199-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0200-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0200-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0200-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0200-5.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0201-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0201-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0201-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0201-5.0	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand	Low	Medium Dense fine to coarse gravel
D0202-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0202-1.0	SM	SILTY SAND	subangular	light brown	dry to moist	fine sand	none	Medium Dense
D0202-2.5	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0202-5.0	CL	SANDY Lean CLAY	subangular	dark brown	moist	very fine sand	Low	Soft
D0203-0.5	SM	SILTY SAND	angular	light brown	dry to moist	fine sand	none	Medium Dense
D0203-1.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	Low	Medium Dense
D0203-2.5	SM	SILTY SAND with GRAVEL	subrounded	light brown	dry to moist	fine sand	none	Medium Dense fine gravel
D0203-5.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0205-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0205-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0205-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0205-5.0	SM	SILTY SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0206-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0206-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0206-2.5	SC	CLAYEY SAND	subrounded	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0206-5.0	SC	CLAYEY SAND	subangular	dark brown	dry to moist	fine sand	Low	Dense
D0207-0.5	SC	CLAYEY SAND	subangular	dark brown	dry to moist	fine sand	Low	Medium Dense
D0207-1.0	SC	CLAYEY SAND	subangular	brown	dry to moist	fine sand	none	Medium Dense
D0207-2.5	SC	CLAYEY SAND	subangular	dark brown	dry to moist	fine sand	Low	Medium Dense
D0207-5.0	SC	CLAYEY SAND	subangular	dark brown	dry to moist	fine sand	none	Medium Dense
D0209-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0209-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0209-2.5	SC	CLAYEY SAND with GRAVEL	angular	light brown	dry	fine to coarse sand	Medium	Very Dense fine to coarse gravel
D0209-5.0	SC	CLAYEY SAND	subangular	light brown	dry to moist	fine sand	Low	Medium Dense
D0210-0.5	SC	CLAYEY SAND	subangular	brownish yellow	dry to moist	fine sand	Low	Medium Stiff
D0210-1.0	SC	CLAYEY SAND	subangular	brown	dry	fine sand	Low	Medium Dense
D0210-2.5	SC	CLAYEY SAND	subangular	brown	dry	fine to coarse sand	Low	Medium Dense
D0210-5.0	SC	CLAYEY SAND	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0211-0.5	CL	SANDY Lean CLAY with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	Medium	Stiff
D0211-1.0	CL	SANDY Lean CLAY with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	Medium	Stiff
D0211-2.5	CL	SANDY Lean CLAY with GRAVEL	subrounded	brown	dry to moist	fine to coarse sand with fine gravel	Medium	Very Stiff
D0211-5.0	SC	CLAYEY SAND	subangular	brown	dry to moist	fine sand	Medium	Very Stiff
D0212-0.5	SC	CLAYEY SAND with GRAVEL	rounded	light brown	dry	fine sand	Low	Medium Dense fine gravel
D0212-1.0	SC	CLAYEY SAND with GRAVEL	rounded	light brown	dry to moist	fine sand	Low	Medium Dense fine gravel
D0212-2.5	SC	CLAYEY SAND	subangular	light brown	dry	fine sand	Low	Dense
D0212-5.0	SC	CLAYEY SAND with GRAVEL	subangular	light brown	dry to moist	fine sand	Low	Medium Dense fine to coarse gravel
D0213-0.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0213-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0213-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0213-5.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	medium sand	Low	Dense
D0214-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense trace clay
D0214-1.0	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense trace clay
D0214-2.5	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0214-5.0	CL	SANDY Lean CLAY	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Stiff
D0215-0.5	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0215-1.0	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0215-2.5	ML	SANDY SILT	subangular	light brownish gray	moist	fine to medium sand	none	Stiff

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0215-5.0	ML	SANDY SILT WITH GRAVEL	angular	light brown	dry to moist	fine sand	none	Very Stiff
D0216-0.5	SM	SILTY SAND	angular	brown	moist	fine to medium sand	none	Medium Dense trace clay
D0216-1.0	SM	SILTY SAND	angular	brown	moist	fine to medium sand	none	Medium Dense trace clay
D0216-2.5	SM	SILTY SAND	angular	brown	moist	fine sand	none	Very Dense
D0216-5.0	SM	SILTY SAND	angular	brown	moist	fine sand	none	Dense
D0217-0.5	SC	CLAYEY SAND	angular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
D0217-1.0	SC	CLAYEY SAND	angular	dark brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
D0217-2.5	SM	SILTY SAND	angular	brown	moist to wet	fine to medium sand	none	Dense some clay
D0217-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand	none	Dense
D0218-0.5	SC	CLAYEY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand	Medium	Dense
D0218-1.0	SC	CLAYEY SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand	Medium	Dense
D0218-2.5	SC	CLAYEY SAND	subangular	dark brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0218-5.0	SW	Well-graded SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand	Medium	Dense
D0219-0.5	SC	CLAYEY SAND	angular	light yellowish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0219-1.0	SC	CLAYEY SAND	angular	light yellowish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0219-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	Medium	Dense
D0220-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	Medium	Dense
D0220-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand	Medium	Dense
D0220-2.5	CL	SANDY Lean CLAY with GRAVEL	angular	dark grayish brown	moist to wet	fine to coarse sand	Low	Very Stiff
D0220-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand	Low	Dense
D0221-0.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand	Low	Dense
D0221-1.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	Low	Dense
D0221-2.5	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	Low	Dense
D0221-5.0	SC	CLAYEY SAND	subangular	light brown	moist to wet	fine to coarse sand	Low	Dense
D0222-0.5	SC	CLAYEY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0222-1.0	SC	CLAYEY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0222-2.5	SC	CLAYEY SAND	subangular	light yellowish brown	moist	fine to medium sand	Low	Dense
D0222-5.0	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to coarse sand	Low	Dense
D0223-0.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand	Low	Dense
D0223-1.0	ML	SANDY SILT	subangular	reddish brown	moist	fine to medium sand	Low	Stiff some gravel
D0223-2.5	ML	SANDY SILT	subangular	reddish brown	moist	fine to medium sand	Low	Stiff some gravel
D0223-5.0	ML	SANDY SILT	subangular	light reddish brown	dry to moist	fine to coarse sand	Low	Stiff
D0224-0.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Medium Dense some gravel
D0224-1.0	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Medium Dense some gravel
D0224-2.5	SC	CLAYEY SAND	subangular	dark grayish brown	moist	fine to medium sand	Low	Dense
D0224-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand	Low	Dense
D0225-0.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0225-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0225-2.5	SM	SILTY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand	Low	Dense
D0225-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to medium sand	Low	Dense
D0226-0.5	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand	Medium	Dense
D0226-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand	Medium	Dense
D0226-2.5	SC	CLAYEY SAND	angular	brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0226-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark brown	moist	fine to coarse sand	Low	Dense
D0227-0.5	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand	none	Dense
D0227-1.0	SM	SILTY SAND with GRAVEL	subangular	light brown	dry to moist	fine to coarse sand	none	Dense
D0227-1.5	SW	Well-graded SAND with GRAVEL	subrounded	light brown	moist	fine to coarse sand	none	Dense some silt
D0228-0.5	SM	SILTY SAND	subrounded	olive brown	dry to moist	fine to medium sand	none	Medium Dense some gravel
D0228-1.0	SC	CLAYEY SAND	subrounded	brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0228-2.0	SC	CLAYEY SAND with GRAVEL	subrounded	light brownish gray	moist to wet	fine to coarse sand with fine gravel	Medium	Very Dense more clay
D0229-0.5	SM	SILTY SAND	subrounded	light brown	moist	fine to coarse sand with fine gravel	none	Dense trace clay
D0229-1.0	SM	SILTY SAND	subrounded	light brown	moist	fine to coarse sand with fine gravel	none	Dense trace clay
D0229-1.5	SM	SILTY SAND	subrounded	light brown	moist	fine to coarse sand	none	Very Dense
D0230-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	dry to moist	fine to coarse sand	Medium	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0230-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	dry to moist	fine to coarse sand	Medium	Dense
D0230-2.5	CL	SANDY Lean CLAY	subrounded	dark brown	moist to wet	fine to coarse sand	Medium	Stiff
D0230-5.0	CL	SANDY Lean CLAY	subrounded	brown	moist to wet	fine to coarse sand with fine gravel	Low	Very Stiff
D0231-0.5	SC	CLAYEY SAND	subrounded	dark reddish brown	moist	fine to coarse sand	Low	Dense trace fine gravel
D0231-1.0	SC	CLAYEY SAND	subrounded	dark reddish brown	moist	fine to coarse sand	Low	Dense trace fine gravel
D0231-2.5	SC	CLAYEY SAND	subrounded	reddish brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0231-5.0	CL	SANDY Lean CLAY with GRAVEL	subrounded	light brown	moist	fine to coarse sand	Medium	Stiff
D0232-0.5	SC	CLAYEY SAND	subrounded	brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0232-1.0	SC	CLAYEY SAND	subrounded	brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0232-2.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	Medium	Dense
D0232-5.0	CL	SANDY Lean CLAY	subangular	brown	moist	fine to coarse sand	Medium	Very Stiff
D0233-0.5	CL	SANDY Lean CLAY	subangular	dark brown	moist	fine to coarse sand with fine gravel	Low	Stiff
D0233-1.0	CL	SANDY Lean CLAY	subangular	dark brown	moist	fine to coarse sand with fine gravel	Low	Stiff
D0233-2.5	CL	Lean CLAY with SAND	subangular	reddish brown	moist	fine to medium sand	Medium	Stiff
D0233-4.5	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense Refusal @ 4.5 ft
D0234-0.5	SW	Well-graded SAND	subangular	light brown	moist to wet	fine to coarse sand	none	Medium Dense some clay
D0234-1.0	SW	Well-graded SAND	subangular	light brown	moist to wet	fine to coarse sand	none	Medium Dense some clay
D0234-2.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0234-5.0	SC	CLAYEY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand	Low	Dense
D0235-0.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to coarse sand	none	Medium Dense trace clay
D0235-1.0	SM	SILTY SAND	subangular	light reddish brown	moist	fine to coarse sand	none	Medium Dense trace clay
D0235-2.5	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	Low	Dense
D0235-5.0	SC	CLAYEY SAND with GRAVEL	angular	grayish brown	moist	fine to coarse sand	Low	Dense
D0236-0.5	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to coarse sand	Low	Medium Dense
D0236-1.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to coarse sand	Low	Medium Dense
D0236-2.5	SC	CLAYEY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand	Low	Dense
D0236-5.0	SC	CLAYEY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0237-0.5	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand	none	Medium Dense trace clay
D0237-1.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand	none	Medium Dense trace clay
D0237-2.5	SW	Well-graded SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand	none	Dense weathered gravel, trace clay
D0237-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand	none	Dense
D0238-0.5	SC	CLAYEY SAND with GRAVEL	angular	olive brown	moist	fine to coarse sand	Low	Dense
D0238-1.0	SC	CLAYEY SAND with GRAVEL	angular	olive brown	moist	fine to coarse sand	Low	Dense
D0238-2.5	CL	SANDY Lean CLAY	angular	light brownish gray	moist to wet	fine to medium sand	Medium	Stiff some gravel
D0238-5.0	ML	SILT with SAND	angular	light brownish gray	moist to wet	fine sand	Low	Stiff trace clay
D0239-0.5	SC	CLAYEY SAND	angular	dark brown	moist	fine to medium sand	Low	Dense some gravel
D0239-1.0	SC	CLAYEY SAND	angular	dark brown	moist	fine to medium sand	Low	Dense some gravel
D0239-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to medium sand	Low	Dense
D0239-5.0	SM	SILTY SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand	none	Dense some clay
D0240-0.5	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense some clay
D0240-1.0	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense some clay
D0240-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand	Low	Dense
D0240-5.0	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0241-0.5	SC	CLAYEY SAND with GRAVEL	angular	gray	moist	fine to coarse sand	Low	Dense
D0241-1.0	SC	CLAYEY SAND with GRAVEL	angular	gray	moist	fine to coarse sand	Low	Dense
D0241-2.5	SC	CLAYEY SAND with GRAVEL	subangular	light brownish gray	moist	fine to coarse sand	Low	Dense
D0241-5.0	CL	SANDY Lean CLAY with GRAVEL	subangular	light gray	moist	fine to medium sand	Low	Very Stiff
D0242-0.5	ML	SANDY SILT	subangular	brown	dry to moist	fine to medium sand	Low	Stiff trace gravel
D0242-1.0	ML	SANDY SILT	subangular	brown	dry to moist	fine to medium sand	Low	Stiff trace gravel
D0242-2.5	ML	SANDY SILT	subangular	brown	moist	fine to medium sand	Low	Stiff some clay
D0242-5.0	SM	SILTY SAND	subangular	brown	moist	fine to coarse sand	Low	Dense trace clay, some gravel
D0243-0.5	ML	SANDY SILT	subangular	light brown	moist	fine to medium sand	Low	Stiff trace gravel
D0243-1.0	ML	SANDY SILT	subangular	light brown	moist	fine to medium sand	Low	Stiff trace gravel
D0243-2.5	ML	SANDY SILT	subangular	light brown	dry to moist	fine to medium sand	Low	Very Stiff some gravel

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0243-3.0	ML	SANDY SILT	subangular	light brown	dry to moist	fine to medium sand	Low	Hard some gravel, Refusal @ 3.0 ft
D0244-0.5	SM	SILTY SAND	subangular	dark brown	dry to moist	fine to medium sand	none	Medium Dense trace gravel
D0244-1.0	SM	SILTY SAND	subangular	dark brown	dry to moist	fine to medium sand	none	Medium Dense trace gravel
D0244-2.5	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Dense
D0244-5.0	SM	SILTY SAND	subangular	light brown	moist	medium sand	none	Dense trace clay
D0245-0.5	SC	CLAYEY SAND	subangular	dark brown	dry to moist	fine to coarse sand	Low	Dense some silt
D0245-1.0	ML	SILT with SAND	subangular	light brown	moist	fine sand	Low	Stiff some clay
D0245-2.5	ML	SILT with SAND	subangular	light brown	moist	fine sand	Low	Very Stiff
D0245-3.5	ML	SILT with SAND	subangular	light brown	moist	fine sand	Low	Hard Refusal @ 3.5 ft
D0246-0.5	SC	CLAYEY SAND	subangular	light brown	moist	fine to coarse sand	Low	Dense some silt
D0246-1.0	SC	CLAYEY SAND	subangular	light brown	moist	fine to coarse sand	Low	Dense some silt
D0246-2.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	Low	Very Dense some clay
D0246-3.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	Low	Very Dense some clay, Refusal @ 3.5 ft
D0247-0.5	ML	SANDY SILT	subangular	brown	moist	fine sand	Low	Stiff trace gravel
D0247-1.0	ML	SANDY SILT	subangular	brown	moist	fine sand	Low	Stiff trace gravel
D0247-2.5	ML	SANDY SILT	subangular	brown	moist	very fine sand	Low	Hard trace gravel, some clay
D0247-3.5	ML	SANDY SILT	subangular	brown	moist	very fine sand	Low	Hard trace gravel, some clay, Refusal @ 3.5 ft
D0248-0.5	ML	SANDY SILT	subangular	light brown	moist	fine to medium sand	Low	Stiff
D0248-1.0	ML	SANDY SILT	subangular	light brown	moist	fine to medium sand	Low	Stiff
D0248-2.5	CL	Lean CLAY with SAND	subangular	dark brown	moist	fine sand	Low	Very Stiff trace gravel
D0248-5.0	CL	Lean CLAY with SAND	subangular	dark brown	moist	fine sand	Medium	Very Stiff trace coarse sand
D0249-0.5	ML	SANDY SILT	subangular	light brown	moist	fine to medium sand	Low	Stiff trace gravel
D0249-1.0	ML	SANDY SILT	subangular	light brown	moist	fine to medium sand	Low	Stiff trace gravel
D0249-2.5	ML	SANDY SILT WITH GRAVEL	subangular	grayish brown	moist	fine to medium sand	Low	Very Stiff trace clay
D0249-5.0	CL	Lean CLAY with SAND	subangular	brown	moist to wet	fine sand	Medium	Very Stiff
D0250-0.5	ML	SANDY SILT WITH GRAVEL	subangular	light brown	moist	fine to coarse sand	Low	Stiff
D0250-1.0	ML	SANDY SILT WITH GRAVEL	subangular	light brown	moist	fine to coarse sand	Low	Stiff
D0250-2.5	ML	SANDY SILT WITH GRAVEL	subangular	light brown	moist	fine to coarse sand	Low	Very Stiff trace clay
D0250-5.0	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand with fine gravel	Low	Dense
D0251-0.5	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand	Low	Medium Dense
D0251-1.0	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand	Low	Medium Dense
D0251-2.5	SM	SILTY SAND	subangular	brown	moist to wet	fine to coarse sand	Low	Dense
D0251-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to coarse sand	Low	Dense trace clay
D0252-0.5	SC	CLAYEY SAND	subangular	light brown	moist	fine to coarse sand with fine gravel	Low	Dense trace silt
D0252-1.0	SC	CLAYEY SAND	subangular	light brown	moist	fine to coarse sand with fine gravel	Low	Dense trace silt
D0252-2.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Dense
D0252-5.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	Low	Dense some clay and gravel
D0253-0.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0253-1.0	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0253-2.5	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand	none	Dense some clay
D0253-5.0	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Dense
D0254-0.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense trace clay
D0254-1.0	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand	none	Dense
D0254-2.5	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand	none	Dense
D0254-5.0	SM	SILTY SAND with GRAVEL	angular	grayish brown	dry to moist	fine to coarse sand	none	Dense
D0255-0.5	SC	CLAYEY SAND	angular	brown	moist	fine to coarse sand	Low	Dense
D0255-1.0	SC	CLAYEY SAND	angular	brown	moist	fine to coarse sand	Low	Dense
D0255-2.5	CL	SANDY Lean CLAY	angular	grayish brown	moist	fine to medium sand	Low	Very Stiff
D0255-5.0	SC	CLAYEY SAND	angular	gray	dry to moist	fine to coarse sand	Low	Dense some gravel
D0256-0.5	SM	SILTY SAND	angular	brown	moist	fine to coarse sand	none	Dense
D0256-1.0	SM	SILTY SAND	angular	brown	moist	fine to coarse sand	none	Dense
D0256-2.5	SM	SILTY SAND	angular	brown	moist	fine to coarse sand	none	Dense trace clay
D0256-5.0	SC	CLAYEY SAND	angular	dark brown	moist	fine to coarse sand with fine gravel	low	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0257-0.5	SC	CLAYEY SAND	angular	grayish brown	moist	fine to coarse sand with fine gravel	low	Dense
D0257-1.0	SC	CLAYEY SAND	angular	grayish brown	moist	fine to coarse sand with fine gravel	low	Dense
D0257-2.5	SC	CLAYEY SAND with GRAVEL	angular	light brownish gray	moist	fine to coarse sand	low	Dense
D0257-5.0	CL	SANDY Lean CLAY	angular	light brownish gray	moist	fine to coarse sand	low	Very Stiff
D0258-0.5	SC	CLAYEY SAND	angular	dark brown	moist	fine to coarse sand with fine gravel	low	Dense
D0258-1.0	CL	SANDY Lean CLAY	angular	light brownish gray	moist	fine to coarse sand	low	Very Stiff
D0258-2.5	CL	SANDY Lean CLAY	angular	light brownish gray	moist	fine to coarse sand	low	Very Stiff
D0258-5.0	CL	SANDY Lean CLAY	angular	gray	moist	fine to medium sand	Medium	Very Stiff
D0259-0.5	SW	Well-graded SAND	angular	light brown	moist	fine to coarse sand with fine gravel	none	Dense some silt
D0259-1.0	SW	Well-graded SAND	angular	light brown	moist	fine to coarse sand with fine gravel	none	Dense some silt
D0259-2.5	SW	Well-graded SAND with GRAVEL	subangular	light brown	moist	fine to coarse sand	none	Very Dense some silt
D0259-5.0	SM	SILTY SAND	subangular	brown	moist	fine to coarse sand with fine gravel	none	Dense
D0260-0.5	SC	CLAYEY SAND	subangular	gray	moist	fine to coarse sand	Low	Dense
D0260-1.0	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine to medium sand	Medium	Very Stiff
D0260-2.5	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine to medium sand	Medium	Very Stiff
D0260-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	dry to moist	fine to coarse sand	Low	Dense
D0261-0.5	CL	Lean CLAY with SAND	subangular	gray	dry to moist	fine to medium sand	Low	Stiff
D0261-1.0	CL	Lean CLAY with SAND	subangular	gray	dry to moist	fine to medium sand	Low	Stiff
D0261-2.5	CL	Lean CLAY with SAND	subangular	light brownish gray	moist	fine sand	Medium	Very Stiff
D0261-5.0	SC	CLAYEY SAND	subangular	gray	moist	fine to medium sand	Low	Dense
D0262-0.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Dense some gravel
D0262-1.0	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Dense some gravel
D0262-2.5	ML	SANDY SILT	subangular	light brown	moist	fine to medium sand	Low	Dense
D0262-5.0	SM	SILTY SAND	subangular	grayish brown	dry to moist	fine to coarse sand	Low	Dense some clay
D0264-0.5	CL	SANDY Lean CLAY with GRAVEL	subangular	light reddish brown	moist	fine to coarse sand	Low	Very Stiff
D0264-1.0	CL	SANDY Lean CLAY with GRAVEL	subangular	light reddish brown	moist	fine to coarse sand	Low	Very Stiff
D0264-2.5	CL	Lean CLAY with SAND	subangular	dark grayish brown	moist	fine and coarse sand	Medium	Very Stiff
D0264-5.0	CL	SANDY Lean CLAY	subangular	grayish brown	moist	fine to medium sand	Low	Very Stiff
D0266-0.5	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine and coarse sand	Medium	Very Stiff
D0266-1.0	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine to medium sand	Medium	Very Stiff
D0266-2.5	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine to medium sand	Medium	Very Stiff
D0266-5.0	CL	Lean CLAY with SAND	subangular	dark grayish brown	moist	fine sand	Low	Very Stiff
D0270-0.5	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	Low	Dense
D0270-1.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to medium sand	Low	Dense
D0270-2.5	SC	CLAYEY SAND	subangular	light brownish gray	moist	fine sand	Low	Dense
D0270-5.0	CL	SANDY Lean CLAY	subangular	gray	moist	fine sand	Low	Very Stiff
D0272-0.5	SC	CLAYEY SAND	subangular	brown	moist	fine to coarse sand	Low	Dense
D0272-1.0	SM	SILTY SAND	subangular	brown	moist to wet	fine to coarse sand	Low	Dense some gravel
D0272-2.5	SM	SILTY SAND	subangular	brown	moist to wet	fine to coarse sand	Low	Dense some gravel
D0272-5.0	SC	CLAYEY SAND	subangular	grayish brown	moist	fine to coarse sand	Low	Dense
D0273-0.5	SW	Well-graded SAND	subangular	light brown	moist	fine and coarse sand	none	Medium Dense trace silt
D0273-1.0	SW	Well-graded SAND	subangular	light brown	moist	fine and coarse sand	none	Medium Dense trace silt
D0273-2.5	SW	Well-graded SAND	subangular	light reddish brown	dry	fine to coarse sand	none	Dense trace silt
D0274-0.5	SW	Well-graded SAND	subangular	light yellowish brown	moist	fine to medium sand	Low	Dense some silt
D0274-1.0	SW	Well-graded SAND	subangular	light yellowish brown	moist	fine to coarse gravel	none	Dense some silt
D0274-2.5	SW	Well-graded SAND	subangular	light brown	moist	fine to medium sand	none	Dense some silt
D0274-5.0	SW	Well-graded SAND	subangular	light brown	moist	fine and coarse sand	none	Dense trace silt
D0275-0.5	SW	Well-graded SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense trace silt
D0275-1.0	SW	Well-graded SAND	subangular	grayish brown	dry to moist	fine to medium sand	none	Dense
D0275-2.5	SW	Well-graded SAND	subangular	light brown	moist	medium to coarse sand	none	Dense trace gravel
D0275-5.0	SW	Well-graded SAND	subangular	brown	moist	medium to coarse sand	none	Dense
D0276-0.5	SW	Well-graded SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense some silt
D0276-1.0	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Medium Dense
D0276-2.5	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Dense trace gravel

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0276-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	moist	fine to medium sand	none	Dense
D0277-0.5	SW	Well-graded SAND	subangular	light reddish brown	moist	fine to medium sand	none	Medium Dense
D0277-1.0	SW	Well-graded SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense some silt
D0277-2.5	SW	Well-graded SAND	subangular	dark reddish brown	moist	fine to coarse sand	none	Dense some silt
D0277-5.0	SW	Well-graded SAND	subangular	grayish brown	moist	fine to coarse sand	none	Dense
D0278-0.5	SW	Well-graded SAND	subangular	light reddish brown	moist	fine to coarse sand	none	Dense
D0278-1.0	SW	Well-graded SAND	subangular	light reddish brown	moist	fine to coarse sand	none	Dense
D0278-2.5	SW	Well-graded SAND	subangular	grayish brown	dry to moist	fine to coarse sand	none	Dense some silt
D0278-5.0	SW	Well-graded SAND	subangular	reddish brown	moist	fine to coarse sand	none	Dense
D0279-0.5	SW	Well-graded SAND	subangular	grayish brown	moist	fine to medium sand	none	Dense some silt
D0279-1.0	SW	Well-graded SAND	subangular	grayish brown	moist	fine to coarse sand	none	Dense some silt
D0279-2.5	SW	Well-graded SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense trace gravel
D0279-5.0	SW	Well-graded SAND with GRAVEL	subangular	grayish brown	moist	fine to coarse sand	none	Dense trace silt
D0280-0.5	SM	SILTY SAND	subangular	reddish brown	moist	fine to medium sand	none	Medium Dense
D0280-1.0	SM	SILTY SAND	subangular	strong brown	moist	fine to medium sand	none	Dense trace gravel
D0280-2.5	SM	SILTY SAND	subangular	pink	moist to wet	fine sand	none	Dense more silt in the top
D0280-5.0	SM	SILTY SAND	subangular	yellowish red	moist to wet	fine sand	none	Dense
D0281-0.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense
D0281-1.0	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense
D0281-2.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to medium sand	none	Dense
D0281-5.0	SW	Well-graded SAND	subangular	grayish brown	moist	fine to medium sand	none	Dense trace gravel
D0282-0.5	SW	Well-graded SAND	subangular	brown	moist	fine to medium sand	none	Dense some silt
D0282-1.0	SM	SILTY SAND with GRAVEL	subangular	light brown	moist	fine to medium sand	none	Medium Dense
D0282-2.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense some gravel
D0282-5.0	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Dense
D0283-0.5	SW	Well-graded SAND	subangular	brown	moist	fine to medium sand	none	Dense some silt
D0283-1.0	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense
D0283-2.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense trace gravel
D0283-5.0	SM	SILTY SAND	subangular	light olive brown	moist	fine to medium sand	none	Dense trace gravel
D0284-0.5	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Medium Dense
D0284-1.0	SW	Well-graded SAND	subangular	light brown	moist	fine to medium sand	none	Dense some silt
D0284-2.5	SW	Well-graded SAND	subangular	brown	moist	fine to medium sand	none	Dense some silt
D0284-5.0	SM	SILTY SAND	subangular	reddish brown	moist	fine to medium sand	none	Dense some oxidation (no recovery)
D0285-0.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense
D0285-1.0	SM	SILTY SAND	subangular	light yellowish brown	moist	fine to medium sand	none	Dense
D0285-2.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Dense
D0285-5.0	SM	SILTY SAND	subangular	light yellowish brown	moist	fine sand	none	Dense some oxidation
D0286-0.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Medium Dense
D0286-1.0	SM	SILTY SAND	subangular	reddish brown	moist	fine to medium sand	none	Dense
D0286-2.5	SW	Well-graded SAND	subangular	light yellowish brown	moist	fine to coarse sand	none	Dense trace silt, some gravel
D0286-5.0	SW	Well-graded SAND	subangular	light reddish brown	moist	fine to coarse sand	none	Dense some silt
D0287-0.5	SW	Well-graded SAND	subangular	reddish brown	moist	fine to medium sand	none	Medium Dense some silt
D0287-1.0	SW	Well-graded SAND	subangular	reddish brown	moist	fine to medium sand	none	Dense more silt
D0287-2.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense
D0287-5.0	ML	SANDY SILT	subangular	light reddish brown	moist	very fine sand	Low	Stiff
D0288-0.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense
D0288-1.0	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Dense trace gravel
D0288-2.5	SM	SILTY SAND	subangular	light brown	moist to wet	fine to medium sand	none	Dense some coarse grains
D0288-5.0	SM	SILTY SAND	subangular	light brown	moist to wet	medium to coarse sand	none	Dense
D0289-0.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to medium sand	none	Medium Dense
D0289-1.0	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Dense
D0289-2.5	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Dense
D0289-5.0	SM	SILTY SAND	subangular	light brown	moist to wet	fine to coarse sand	none	Dense
D0290-0.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0290-1.0	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Dense ace coarse grains
D0290-2.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Dense
D0290-5.0	SM	SILTY SAND	subangular	light brown	moist	fine to coarse sand	none	Dense
D0291-0.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to medium sand	none	Medium Dense
D0291-1.0	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Medium Dense
D0291-2.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense
D0291-5.0	SM	SILTY SAND	subangular	light brown	moist	medium sand	none	Dense
D0292-0.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense ace reddish clay
D0292-1.0	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense petroleum odor un the upper 3" (darker color, trace gravel)
D0292-2.5	SM	SILTY SAND	subangular	light olive brown	moist	fine to medium sand	none	Dense
D0292-5.0	SM	SILTY SAND	subangular	light olive brown	moist	fine to medium sand	none	Dense trace gravel
D0293-0.5	SM	SILTY SAND	subangular	reddish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0293-1.0	SM	SILTY SAND	subangular	light reddish brown	moist	fine to coarse sand	none	Dense
D0293-2.5	SM	SILTY SAND	subangular	brown	moist to wet	fine sand	none	Medium Dense
D0293-5.0	SM	SILTY SAND	subangular	light brown	moist to wet	fine to medium sand	none	Dense
D0294-0.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense some coarse grains
D0294-1.0	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense
D0294-2.5	SM	SILTY SAND	subangular	light brown	moist to wet	fine sand	none	Dense
D0294-5.0	SM	SILTY SAND	subangular	light yellowish brown	moist	fine to medium sand	none	Dense
D0295-0.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense
D0295-1.0	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Medium Dense
D0295-2.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Dense trace coarse grains
D0295-5.0	SM	SILTY SAND	subangular	olive brown	moist	fine to medium sand	none	Medium Dense
D0296-0.5	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Medium Dense
D0296-1.0	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Medium Dense
D0296-2.5	SM	SILTY SAND	subangular	olive brown	moist	fine to medium sand	none	Dense trace gravel
D0296-5.0	SM	SILTY SAND	subangular	grayish brown	moist	fine to medium sand	none	Dense some gravel
D0297-0.5	SM	SILTY SAND	subangular	light reddish brown	moist	medium to coarse sand	none	Medium Dense
D0297-1.0	SM	SILTY SAND	subangular	light reddish brown	moist	medium to coarse sand	none	Medium Dense
D0297-2.5	SM	SILTY SAND	subangular	reddish brown	moist	fine to coarse sand	none	Dense
D0297-5.0	SM	SILTY SAND	subangular	reddish brown	moist	medium to coarse sand	none	Dense
D0298-0.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense
D0298-1.0	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense some gravel
D0298-2.5	SM	SILTY SAND	subangular	reddish brown	moist	fine to medium sand	none	Dense
D0298-5.0	SM	SILTY SAND	subangular	reddish brown	moist	fine sand	none	Dense
D0299-0.5	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense
D0299-1.0	SM	SILTY SAND	subangular	brown	moist	fine to medium sand	none	Medium Dense some gravel
D0299-2.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Dense trace gravel
D0299-5.0	SM	SILTY SAND	subangular	light brown	moist	fine to medium sand	none	Dense more gravel (no recovery)
D0300-0.5	SM	SILTY SAND	subangular	light reddish brown	moist	fine to medium sand	none	Medium Dense
D0300-1.0	ML	SANDY SILT	subangular	light reddish brown	moist	fine to medium sand	Low	Stiff
D0300-2.5	ML	SANDY SILT	subangular	light reddish brown	moist	fine sand	Low	Stiff trace gravel
D0300-5.0	SM	SILTY SAND	subangular	light olive brown	moist	fine to medium sand	none	Dense trace gravel
D0301-0.5	SM	SILTY SAND	subangular	reddish brown	moist	fine to coarse sand	none	Medium Dense
D0301-1.0	SM	SILTY SAND	subangular	reddish brown	moist	fine to coarse sand	none	Medium Dense
D0301-2.5	SM	SILTY SAND	subangular	light olive brown	moist to wet	fine to coarse sand	none	Dense
D0301-5.0	SM	SILTY SAND	subangular	light olive brown	moist to wet	fine to coarse sand	none	Dense
D0302-0.5	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense trace clay
D0302-1.0	SW	Well-graded SAND	subangular	reddish brown	dry to moist	fine to coarse sand	none	Medium Dense trace clay
D0302-2.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry	fine to coarse sand	none	Medium Dense fine gravel
D0302-5.0	SM	SILTY SAND with GRAVEL	subangular	dark gray	dry	fine to coarse sand	none	Hard fine gravel
D0303-0.5	SW	Well-graded SAND	subangular	reddish brown	moist	fine to coarse sand	none	Medium Dense silty
D0303-1.0	SW	Well-graded SAND with GRAVEL	subangular	reddish brown	moist	fine to coarse sand	none	Medium Dense

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0303-2.5	SM	SILTY SAND	subangular	reddish brown	moist to wet	fine to coarse sand	none	Medium Dense
D0303-5.0	SW	Well-graded SAND	subangular	reddish brown	moist	fine to coarse sand	none	Medium Dense silty
D0304-0.5	SC	CLAYEY SAND	subrounded	light brownish gray	moist	fine to coarse sand	Low	Loose
D0304-1.0	CL	SANDY Lean CLAY	subangular	light brownish gray	moist	fine sand	Medium	Medium Dense
D0304-2.5	SC	CLAYEY SAND	subangular	light brown	dry to moist	fine to coarse sand	Medium	Medium Dense
D0304-5.0	SC	CLAYEY SAND with GRAVEL	subangular	gray	moist	fine to coarse sand	Medium	Medium Dense fine gravel
D0305-0.5	SW	Well-graded SAND	angular	brown	dry to moist	fine to coarse sand	none	Medium Dense
D0305-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel
D0305-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel. refusal at 4 feet, no recovery @ 4 feet
D0307-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry	fine to coarse sand	none	Medium Dense fine to coarse gravel
D0307-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	dry	fine to coarse sand	none	Medium Dense fine to coarse grained gravel
D0307-2.5	SM	SILTY SAND with GRAVEL	subangular	dark gray	dry	fine to coarse sand	none	Medium Dense fine to coarse gravel. refusal at 2.5 feet.
D0308-0.5	SW	Well-graded SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand	none	Medium Dense angular fine gravel
D0308-1.0	SW	Well-graded SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand	none	Medium Dense angular fine gravel
D0308-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark greenish gray	dry	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel refusal at 3.5 feet, no recovery @ 3.5 feet
D0309-0.5	SM	SILTY SAND	angular	brown	dry to moist	fine to coarse sand	none	Medium Dense
D0309-1.0	SM	SILTY SAND	angular	brown	dry to moist	fine to coarse sand	none	Medium Dense
D0309-2.5	SM	SILTY SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense
D0309-5.0	SC	CLAYEY SAND	subangular	light brownish gray	moist	fine to coarse sand	Medium	Medium Dense
D0310-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	dry	fine to coarse sand	none	Medium Dense fine to coarse gravel
D0310-1.0	SW	Well-graded SAND	angular	brown	dry	fine to coarse sand	none	Medium Dense
D0310-2.5	SM	SILTY SAND with GRAVEL	angular	dark brown	dry to moist	fine to coarse sand	none	Medium Dense angular fine to coarse gravel refusal at 2.5 feet.
D0311-0.5	SW	Well-graded SAND	angular	brown	dry to moist	fine to coarse sand	none	Medium Dense with silt
D0311-1.0	SM	SILTY SAND	angular	brown	dry to moist	fine to medium sand	none	Medium Dense
D0311-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark greenish gray	moist	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel
D0311-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark greenish gray	dry	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel
D0312-0.5	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense
D0312-1.0	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense
D0312-2.5	SM	SILTY SAND with GRAVEL	angular	greenish gray	dry	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel
D0312-5.0	SM	SILTY SAND with GRAVEL	angular	greenish gray	dry	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel
D0313-0.5	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense
D0313-1.0	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense refusal at 1 ft
D0314-0.5	SC	CLAYEY SAND	angular	brown	moist	fine to coarse sand	Low	Medium Dense
D0314-1.0	SC	CLAYEY SAND with GRAVEL	angular	greenish gray	dry	fine to coarse sand	Low	Hard angular fine to coarse gravel, refusal at 1 ft
D0315-0.5	SW	Well-graded SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense angular gravel
D0315-1.0	SW	Well-graded SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense angular gravel
D0315-2.5	SW	Well-graded SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel, trace clay
D0315-5.0	SW	Well-graded SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand	Low	Hard angular fine to coarse gravel, trace clay
D0316-0.5	SM	SILTY SAND with GRAVEL	angular	light brown	dry	fine to coarse sand	none	Hard subangular fine to coarse gravel
D0316-1.0	SW	Well-graded SAND with GRAVEL	angular	brown	dry	fine to coarse sand	none	Hard angular fine to coarse gravel
D0316-2.5	SW	Well-graded SAND	angular	brown	dry to moist	fine to coarse sand	none	Hard angular fine to coarse gravel
D0316-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0317-0.5	SC	CLAYEY SAND with GRAVEL	angular	light brown	dry	fine to coarse sand	Low	Medium Dense
D0317-1.0	SC	CLAYEY SAND with GRAVEL	angular	light brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0317-2.5	SC	CLAYEY SAND with GRAVEL	angular	light brown	dry to moist	fine to coarse sand	Medium	Medium Dense angular fine gravel
D0317-5.0	CL	GRAVELLY lean CLAY with SAND	angular	light brown	dry to moist	fine to coarse gravel	Low	Medium Dense
D0318-0.5	SM	SILTY SAND with GRAVEL	subangular	light brownish gray	dry	fine to coarse sand with fine gravel	Low	Loose

Soil Sample Log

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0318-1.0	SM	SILTY SAND with GRAVEL	angular	light brownish gray	dry	fine to coarse sand with fine gravel	Low	Medium Dense
D0318-2.5	CL	GRAVELLY lean CLAY	angular	dark grayish brown	dry to moist	fine gravel	Low	Medium Dense
D0318-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0319-0.5	SC	CLAYEY SAND	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0319-1.0	SC	CLAYEY SAND	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense
D0319-2.5	SC	CLAYEY SAND	subrounded	brown	dry to moist	medium sand	Low	Medium Dense
D0319-5.0	CL	SANDY Lean CLAY with GRAVEL	subrounded	brown	dry to moist	medium to coarse sand	Medium	Medium Dense
D0320-0.5	SC	CLAYEY SAND with GRAVEL	angular	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0320-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark brown	dry to moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0320-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0320-5.0	SW	Well-graded SAND with GRAVEL	subangular	light brownish gray	dry	fine to coarse sand	none	Medium Dense angular fine to coarse gravel
D0321-0.5	SC	CLAYEY SAND	subangular	brown	dry to moist	fine and coarse sand	Low	Medium Dense
D0321-1.0	SM	SILTY SAND	subangular	brown	dry to moist	fine to medium sand	none	Medium Dense
D0321-2.5	SC	CLAYEY SAND	subangular	brown	dry to moist	coarse sand	Low	Medium Dense
D0321-5.0	SW	Well-graded SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand	Low	Medium Dense angular fine to coarse gravel, trace clay
D0322-0.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand	Low	Hard
D0322-1.0	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand	Low	Hard
D0322-2.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand	Low	Hard angular fine to coarse gravel
D0322-5.0	SM	SILTY SAND with GRAVEL	subangular	brown	dry	fine to coarse sand with fine gravel	none	Medium Dense
D0323-0.5	SC	CLAYEY SAND with GRAVEL	angular	brown	dry to moist	coarse sand	Low	Hard angular fine to coarse gravel
D0323-1.0	SW	Well-graded SAND with GRAVEL	angular	brown	dry	fine to coarse sand with fine gravel	none	Hard
D0323-2.5	SW	Well-graded SAND with GRAVEL	angular	brown	dry to moist	medium to coarse sand	none	Medium Dense fine gravel with trace clay
D0323-5.0	SC	CLAYEY SAND with GRAVEL	angular	brown	moist	fine to coarse sand	Low	Medium Dense fine to coarse gravel
D0324-0.5	SM	SILTY SAND with GRAVEL	subangular	brown	dry to moist	medium to coarse sand	none	Hard angular fine gravel
D0324-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	medium to coarse sand	Low	Medium Dense fine gravel
D0324-2.5	SW	Well-graded SAND	angular	brown	dry	fine to coarse gravel	none	Hard refusal at 2.5 feet
D0325-0.5	SM	SILTY SAND with GRAVEL	angular	brown	dry to moist	coarse sand	none	Medium Dense angular fine gravel
D0325-1.0	SC	CLAYEY SAND with GRAVEL	subangular	brown	dry to moist	medium to coarse sand	Low	Medium Dense angular fine gravel
D0325-2.5	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	none	Hard trace clay, refusal @ 2.5 ft
D0326-0.5	SW	Well-graded SAND with GRAVEL	angular	brown	dry to moist	fine to coarse sand with fine gravel	none	Hard
D0326-1.0	SW	Well-graded SAND	angular	light brown	dry	fine to coarse sand	none	Hard
D0326-2.5	SC	CLAYEY SAND	angular	brown	dry to moist	fine to coarse sand	none	Hard refusal at 2.5 feet
D0327-0.5	CL	GRAVELLY lean CLAY	angular	dark brown	moist	fine to coarse gravel	Low	Dense
D0327-1.0	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	none	Hard
D0327-2.5	SW	Well-graded SAND with GRAVEL	angular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Dense trace clay
D0327-4.0	SW	Well-graded SAND	angular	light brown	dry to moist	fine to coarse sand with fine gravel	none	Dense trace clay, refusal at 4 feet
D0328-0.5	SW	Well-graded SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Dense
D0328-1.0	SW	Well-graded SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Dense trace clay
D0328-2.5	SC	CLAYEY SAND with GRAVEL	subangular	brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0328-4.5	SM	SILTY SAND with GRAVEL	subangular	light brownish gray	dry	fine to coarse sand	none	Dense angular fine to coarse gravel, refusal at 4.5 feet
D0329-0.5	SW	Well-graded SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense trace clay
D0329-1.0	SW	Well-graded SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense trace clay
D0329-2.5	SW	Well-graded SAND with GRAVEL	subangular	brown	moist	fine to coarse sand with fine gravel	none	Medium Dense trace clay
D0329-4.0	SW	Well-graded SAND with GRAVEL	subangular	brown	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense trace clay, refusal at 4 feet
D0330-0.5	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense trace clay
D0330-1.0	SW	Well-graded SAND	subangular	brown	dry to moist	fine to coarse sand	none	Medium Dense trace clay
D0330-2.5	SW	Well-graded SAND	subangular	brown	dry	fine to coarse sand	none	Medium Dense
D0330-3.0	SW	Well-graded SAND	subangular	brown	dry	fine to coarse sand	none	Dense Refusal @ 3.0 ft
D0331-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse gravel	none	Medium Dense
D0331-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0331-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0331-5.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0332-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
D0332-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0332-2.5	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0332-5.0	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Dense
D0333-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0333-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Medium Dense
D0333-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	Low	Medium Dense
D0333-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
D0334-0.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0334-1.0	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Dense
D0334-1.5	SM	SILTY SAND with GRAVEL	angular	gray	dry to moist	fine to coarse sand with fine gravel	none	Very Dense Refusal @ 1.5 ft
D0335-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0335-1.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0335-2.0	SM	SILTY SAND with GRAVEL	subrounded	grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense Refusal @ 2.0 ft
D0336-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0336-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense 12" Recovery
D0336-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense
D0336-3.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense Refusal @ 3.5 ft
D0337-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0337-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0337-2.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0337-5.0	SM	SILTY SAND with GRAVEL	angular	dark brown	moist	fine to coarse sand with fine gravel	none	Dense
D0338-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0338-1.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Medium Dense
D0338-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0338-5.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0339-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0339-1.0	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0339-2.5	SC	CLAYEY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0339-5.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0340-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
D0340-1.0	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	Medium	Medium Dense
D0340-2.5	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0340-5.0	SM	SILTY SAND with GRAVEL	rounded	dark gray	moist	fine to coarse sand with fine gravel	none	Dense
D0341-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0341-1.0	SM	SILTY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0341-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Dense
D0341-5.0	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	Low	Medium Dense
D0342-0.5	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0342-1.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Medium Dense
D0342-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0342-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0343-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Loose
D0343-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0343-2.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse gravel	none	Dense
D0343-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0344-0.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0344-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0344-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0344-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0345-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0345-1.0	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0345-2.5	SC	CLAYEY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse sand with fine gravel	Low	Dense
D0345-5.0	SC	CLAYEY SAND with GRAVEL	angular	dark gray	moist	fine to coarse sand with fine gravel	Low	Dense

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Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0346-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
D0346-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0346-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0346-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
D0347-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0347-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0347-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
D0347-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
D0348-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
D0348-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0348-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Dense
D0348-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
D0349-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Loose
D0349-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0349-2.5	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
D0349-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense
D0350-0.5	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose
D0350-1.0	SC	CLAYEY SAND	subrounded	dark brown	moist	fine to medium sand	Low	Medium Dense
D0350-2.5	SC	CLAYEY SAND	subangular	dark yellowish brown	moist	fine to coarse sand	Low	Dense
D0350-5.0	SW	Well-graded SAND	subangular	dark yellowish brown	moist to wet	fine to coarse sand	none	Dense
D0351-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
D0351-1.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	Low	Medium Dense
D0351-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
D0351-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Dense
D0352-0.5	SM	SILTY SAND	subrounded	brown	moist	fine to medium sand	none	Loose
D0352-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
D0352-2.5	SC	CLAYEY SAND	subrounded	dark grayish brown	moist	fine to medium sand	Low	Medium Dense
D0352-5.0	CL	SANDY Lean CLAY	subrounded	brown	moist	fine to coarse sand	Medium	Stiff
D0353-0.5	SM	SILTY SAND with GRAVEL	subrounded	dark yellowish brown	dry to moist	fine to coarse sand with fine gravel	none	Loose
D0353-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0353-2.5	SC	CLAYEY SAND	subrounded	brown	moist	fine to coarse sand	Low	Medium Dense
D0353-5.0	SC	CLAYEY SAND	subrounded	dark yellowish brown	moist	fine to coarse sand	Medium	Medium Dense
D0354-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
D0354-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
D0354-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0354-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Medium Dense
D0355-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Loose
D0355-1.0	SM	SILTY SAND	subrounded	brown	moist	fine sand	none	Medium Dense
D0355-2.5	SW	Well-graded SAND	subangular	dark gray	moist	fine to medium sand	none	Dense
D0355-5.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Dense
D0356-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0356-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0356-2.5	SM	SILTY SAND	subrounded	dark gray	moist	fine to medium sand	none	Dense
D0356-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Dense
D0357-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
D0357-1.0	SM	SILTY SAND	subrounded	dark gray	moist	fine to medium sand	none	Medium Dense
D0357-2.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
D0357-5.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Dense
D0358-0.5	SM	SILTY SAND	subrounded	brown	moist	fine to medium sand	none	Medium Dense
D0358-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0358-2.5	SM	SILTY SAND with GRAVEL	rounded	dark yellowish brown	moist	fine to coarse sand with fine gravel	none	Dense
D0358-4.0	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense Refusal @ 4.0 ft
D0359-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
D0359-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense

Soil Sample Log

P/N 603008001

Sample No.	USCS[1] Symbol	Soil Type	Angularity[2]	Color	Moisture[3]	Grain Size[4]	Plasticity[5]	Comments[6]
D0359-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Dense
D0359-5.0	SC	CLAYEY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse sand with fine gravel	Medium	Dense
D0360-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine sand	none	Loose
D0360-1.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0360-2.5	SW	Well-graded SAND	subangular	dark gray	moist	fine to medium sand	none	Dense
D0360-5.0	SM	SILTY SAND	subangular	dark gray	moist	fine to coarse sand	none	Dense
D0361-0.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Loose
D0361-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
D0361-2.5	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense
D0361-5.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Dense
D0362-0.5	SM	SILTY SAND	subrounded	yellowish brown	moist	fine to medium sand	none	Medium Dense
D0362-1.0	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
D0362-2.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
D0362-4.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Dense Hand Auger Refusal @ 4.0 ft
D0363-0.5	SM	SILTY SAND with GRAVEL	rounded	dark grayish brown	dry to moist	fine to coarse gravel	none	Medium Dense
D0363-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0363-2.5	SW	Well-graded SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Dense
D0363-5.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Very Dense
D0364-0.5	SM	SILTY SAND	subrounded	dark gray	moist	fine to medium sand	none	Loose
D0364-1.0	SM	SILTY SAND	subangular	dark brown	moist	fine to medium sand	none	Medium Dense
D0364-2.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
D0364-5.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Dense
D0365-0.5	SM	SILTY SAND with GRAVEL	angular	dark gray	dry to moist	fine to coarse gravel	none	Loose
D0365-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0365-2.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense
D0365-5.0	SW	Well-graded SAND with GRAVEL	subangular	gray	dry to moist	fine to coarse gravel	none	Loose
D0366-0.5	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
D0366-1.0	SM	SILTY SAND	subrounded	dark brown	moist	fine to medium sand	none	Medium Dense
D0366-2.5	SM	SILTY SAND with GRAVEL	subangular	dark brown	moist	fine to coarse sand with fine gravel	none	Dense
D0366-5.0	SM	SILTY SAND	subangular	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0367-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
D0367-1.0	SM	SILTY SAND with GRAVEL	subangular	dark grayish brown	moist	fine to coarse sand with fine gravel	none	Medium Dense
D0367-2.5	SM	SILTY SAND with GRAVEL	angular	dark grayish brown	moist	fine to coarse gravel	none	Dense Refusal @ 2.5 ft
D0368-0.5	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Loose
D0368-1.0	SM	SILTY SAND	subrounded	dark yellowish brown	moist	fine to medium sand	none	Medium Dense
D0368-2.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Dense
D0368-5.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Dense
D0369-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to medium sand	none	Loose
D0369-1.0	SM	SILTY SAND	subangular	dark brown	moist	fine to coarse sand	none	Medium Dense
D0369-2.5	SW	Well-graded SAND	subangular	dark gray	moist	fine to medium sand	none	Dense
D0369-5.0	SW	Well-graded SAND	subangular	dark gray	moist	fine to medium sand	none	Dense
D0370-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
D0370-1.0	SM	SILTY SAND	subangular	dark gray	moist	fine to medium sand	none	Medium Dense
D0370-2.5	SM	SILTY SAND	subangular	dark gray	moist	fine to coarse sand	none	Dense Refusal @ 2.5 ft
D0371-0.5	SM	SILTY SAND	subrounded	brown	moist	fine to medium sand	none	Loose
D0371-1.0	SM	SILTY SAND with GRAVEL	subrounded	gray	dry to moist	fine to coarse sand with fine gravel	none	Medium Dense
D0371-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	dry to moist	fine to coarse sand with fine gravel	none	Dense Refusal @ 2.5 ft
D0372-0.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to medium sand	none	Medium Dense
D0372-1.0	SM	SILTY SAND	subangular	dark gray	moist	fine to coarse sand	none	Dense
D0372-2.5	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	moist	fine to coarse gravel	none	Dense
D0372-3.0	SM	SILTY SAND with GRAVEL	subrounded	dark grayish brown	dry to moist	fine to coarse gravel	none	Dense Refusal @ 3.0 ft
D0373-0.5	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Medium Dense
D0373-1.0	SM	SILTY SAND	subrounded	dark grayish brown	moist	fine to coarse sand	none	Dense
D0373-2.5	SM	SILTY SAND	subangular	dark grayish brown	moist	fine to coarse sand	none	Dense

Appendix B Laboratory Reports

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

Date: June 18, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090611-23 through -117**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 11, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/11/09
SAMPLING DATE:06/10/09 DATE ANALYZED:06/11/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/18/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A282-2.5	090611-33	6.92
A782-2.5	090611-37	7.34
B282-0.5	090611-39	7.14
B276-5.0	090611-86	8.21
B776-5.0	090611-90	8.26
A275-2.5	090611-93	7.95
A274-2.5	090611-105	7.12
B274-2.5	090611-109	7.46
B774-2.5	090611-113	7.22

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
~~EC~~	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/11/2009	090611-113	7.22	7.24	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/10/2009	090610-41	5952	5780	2.9%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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					0-20	80-120					
Ammonia as N	mg/Kg	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/11/2009	090609-15	200	26.8	0-20	80-120	206	90%	216	95%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/6/2009	090128-126	4.0	0.000	0-20	80-120	3.40	85%	3.52	88%	3.0%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/11/2009	090609-15	200	15.6	0-20	80-120	213	99%	211	98%	1.0%
Sulfide	mg/Kg			3.00		0-20	80-120					#VALUE!
TRPH	mg/Kg	4/22/2009	LCS1/2	667	0.0	0-20	80-120	583	87%	575	86%	1.2%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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: WP

Final Reviewer: CR

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/11/09
SAMPLING DATE: 06/10/09 DATE ANALYZED: 06/15/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/18/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A283-0.5	090611-23	ND	1
A283-1.0	090611-24	ND	1
A283-2.5	090611-25	ND	1
A283-5.0	090611-26	ND	1
B283-0.5	090611-27	49.5	1
B283-1.0	090611-28	ND	1
B283-2.5	090611-29	ND	1
B283-5.0	090611-30	ND	1
A282-0.5	090611-31	2.34	1
A282-1.0	090611-32	7.79	1
A282-2.5	090611-33	11.5	1
A282-5.0	090611-34	ND	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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.
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LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/11/09
SAMPLING DATE: 06/10/09 DATE ANALYZED: 06/15/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/18/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A782-0.5	090611-35	15.0	1
A782-1.0	090611-36	13.9	1
A782-2.5	090611-37	ND	1
A782-5.0	090611-38	ND	1
B282-0.5	090611-39	72.1 *	1
B282-1.0	090611-40	ND	1
B282-2.5	090611-41	43.6	1
A281-0.5	090611-42	ND	1
A281-1.0	090611-43	1.37	1
A281-2.5	090611-44	1.07	1
B281-0.5	090611-45	ND	1
B281-1.0	090611-46	ND	1
B281-2.5	090611-47	ND	1
B281-5.0	090611-48	ND	1
A280-0.5	090611-49	ND	1
B280-0.5	090611-50	4.42	1
B280-1.0	090611-51	5.45	1
B280-2.5	090611-52	5.12	1
B280-5.0	090611-53	ND	1
A279-0.5	090611-54	1.17	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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**
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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/11/09
SAMPLING DATE: 06/10/09 DATE ANALYZED: 06/15/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/18/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A279-1.0	090611-55	ND	1
A279-2.5	090611-56	ND	1
A279-5.0	090611-57	ND	1
B279-0.5	090611-58	8.65	1
B279-1.0	090611-59	ND	1
B279-2.5	090611-60	ND	1
B279-5.0	090611-61	ND	1
A278-0.5	090611-62	ND	1
A278-1.0	090611-63	ND	1
A278-2.5	090611-64	ND	1
A278-5.0	090611-65	ND	1
B278-0.5	090611-66	3.64	1
B278-1.0	090611-67	ND	1
B278-2.5	090611-68	ND	1
B278-5.0	090611-69	ND	1
A277-0.5	090611-70	29.3	1
A277-1.0	090611-71	ND	1
A277-2.5	090611-72	19.9	1
A277-5.0	090611-73	ND	1
B277-0.5	090611-74	ND	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/11/09
SAMPLING DATE: 06/10/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/18/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B277-1.0	090611-75	1.04	1
B277-2.5	090611-76	1.11	1
B277-5.0	090611-77	0.991	1
A276-0.5	090611-78	1.35	1
A276-1.0	090611-79	ND	1
A276-2.5	090611-80	1.24	1
A276-5.0	090611-81	2.13	1
B276-0.5	090611-83	4.76	1
B276-1.0	090611-84	0.650	1
B276-2.5	090611-85	3.65	1
B276-5.0	090611-86	0.834	1
B776-0.5	090611-87	4.15	1
B776-1.0	090611-88	0.604	1
B776-2.5	090611-89	4.52	1
B776-5.0	090611-90	ND	1
A275-0.5	090611-91	2.94	1
A275-1.0	090611-92	0.864	1
A275-2.5	090611-93	4.49	1
A275-5.0	090611-94	3.70	1
B275-0.5	090611-95	23.4	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/11/09
SAMPLING DATE: 06/10/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/18/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B275-1.0	090611-96	1.39	1
B275-2.5	090611-97	2.73	1
B275-5.0	090611-98	4.52	1
B775-0.5	090611-99	179 *	1
B775-1.0	090611-100	3.25	1
B775-2.5	090611-101	1.65	1
B775-5.0	090611-102	4.96	1
A274-0.5	090611-103	7.52	1
A274-1.0	090611-104	6.35	1
A274-2.5	090611-105	6.32	1
A274-5.0	090611-106	6.81	1
B274-0.5	090611-107	45.8	1
B274-1.0	090611-108	5.87	1
B274-2.5	090611-109	6.29	1
B274-5.0	090611-110	7.14	1
B774-0.5	090611-111	40.2	1
B774-1.0	090611-112	4.05	1
B774-2.5	090611-113	5.64	1
B774-5.0	090611-114	3.40	1
A273-0.5	090611-115	7.14	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/11/09
SAMPLING DATE: 06/10/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/18/09

EPA 6010B FOR TTLC-LEAD; PAGE 6 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A273-1.0	090611-116	ND	1
A273-2.5	090611-117	ND	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/15/2009 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
Lead (Pb)	090610-126	1.00	99	PASS	0	50.0	43.1	86%	44.8	90%	4%

ANALYSIS DATE. : 6/11/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090611-4	0.125	94.4	PASS	0	0.125	0.113	90%	0.110	88%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/15/2009 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
Lead (Pb)	090611-37	1.00	101	PASS	0	50.0	49.9	100%	50.8	102%	2%

ANALYSIS DATE. : 6/11/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090611-4	0.125	94.4	PASS	0	0.125	0.113	90%	0.110	88%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/15/2009 — **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
Lead (Pb)	090611-55	1.00	102	PASS	0	50.0	45.8	92%	47.0	94%	3%

ANALYSIS DATE. : 6/11/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090611-4	0.125	94.4	PASS	0	0.125	0.113	90%	0.110	88%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/16/2009 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
Lead (Pb)	090611-79	1.00	106	PASS	0	50.0	49.3	99%	49.4	99%	0%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/16/2009 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
Lead (Pb)	090611-96	1.00	104	PASS	1.39	50.0	52.8	103%	52.1	101%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/16/2009 — **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
Lead (Pb)	090612-30	1.00	107	PASS	0	50.0	50.1	100%	51.0	102%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:06/11/09
SAMPLING DATE:06/10/09 DATE ANALYZED:06/15/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/18/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E007	090611-82	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/15/2009 — **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
Copper (Cu)	090611-82	1.00	99	PASS	0	1.00	0.992	99%	1.00	100%	1%
Lead (Pb)	090611-82	1.00	107	PASS	0	1.00	1.02	102%	1.03	103%	1%
Zinc (Zn)	090611-82	1.00	104	PASS	0	1.00	1.00	100%	1.01	101%	1%

ANALYSIS DATE. : 6/12/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090612-11	0.00250	93.2	PASS	0	0.00250	0.00220	88%	0.00213	85%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/11/09
SAMPLING DATE:06/10/09 DATE ANALYZED:06/15-17/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/18/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B282-0.5	090611-39	1.61	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/17/2009 **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
Chromium (Cr)	090610-26	1.00	107	PASS	0.327	5.00	5.36	101%	5.30	99%	1%
Copper (Cu)	090610-26	1.00	99	PASS	0.112	5.00	5.52	108%	5.53	108%	0%
Lead (Pb)	090610-26	1.00	115	PASS	0.084	5.00	4.97	98%	4.96	98%	0%

ANALYSIS DATE: 6/17/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-9	0.0125	93.5	PASS	0	0.0125	0.0104	83%	0.0110	88%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Date: June 19, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090611-23 through -117**

Dear Ms. Stout:

The **additional STLC-Pb results** for the soil and water samples, received by our lab on June 11, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

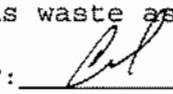
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/11/09
SAMPLING DATE:06/10/09 DATE ANALYZED:06/17-19/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/19/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B775-0.5	090611-99	1.25	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 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
Chromium (Cr)	090618-48	1.00	106	PASS	0	5.00	4.76	95%	4.82	96%	1%
Copper (Cu)	090618-48	1.00	98	PASS	0	5.00	5.09	102%	5.16	103%	1%
Lead (Pb)	090618-48	1.00	111	PASS	0	5.00	4.98	100%	4.98	100%	0%

ANALYSIS DATE: 6/19/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090612-2	0.0125	91.2	PASS	0	0.0125	0.0107	86%	0.0112	90%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A283 - 0.5	090611-23	6-10-09	9:04	Soil	1		ICE	X										
A283 - 1.0	-24		9:04					X										
A283 - 2.5	-25		9:06					X										
A283 - 5.0	-26		9:09					X										
B283 - 0.5	-27		9:17					X										
B283 - 1.0	-28		9:17					X										
B283 - 2.5	-29		9:20					X										
B283 - 5.0	-30		9:23					X										
A282 - 0.5	-31		9:32					X										
A282 - 1.0	-32		9:32					X										
A282 - 2.5	-33		9:34					X				X						
A282 - 5.0	-34		9:38					X										
A782 - 0.5	-35		9:40					X										
A782 - 1.0	-36		9:40					X										
A782 - 2.5	-37		9:42					X				X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/11/09 1125
Relinquished by:	Received by:	Date & Time: 6/11/09 1325
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-10-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A782 - 5.0	090611-38	6-10-09	9:45	Soil	1		ICE	X						
B282 - 0.5	-39		9:53					X			X			STLC Needed
B282 - 1.0	-40		9:53					X						
B282 - 2.5	-41		9:57					X						
A281 - 0.5	-42		10:13					X						
A281 - 1.0	-43		10:13					X						
A281 - 2.5	-44		10:16					X						
B281 - 0.5	-45		10:26					X						
B281 - 1.0	-46		10:26					X						
B281 - 2.5	-47		10:30					X						
B281 - 5.0	-48		10:34					X						
A280 - 0.5	-49		10:45					X						
B280 - 0.5	-50		10:53					X						
B280 - 1.0	-51		10:53					X						
B280 - 2.5	-52		10:58					X						

Company Name:	Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:
Address:	41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001
City/State/Zip:	Temecula, CA 92591	Fax: 951-296-0534	

Relinquished by:	Received by:	Date & Time: 6/11/09 1125	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/11/09 1320	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-10-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B280 - 5.0	090611-53	6-10-09	11:00	Soil	1		ICE	X											
B279 - 0.5	-54		11:08					X											
A279 - 1.0	-55		11:09					X											
A279 - 2.5	-56		11:11					X											
A279 - 5.0	-57		11:13					X											
B279 - 0.5	-58		11:24					X											
B279 - 1.0	-59		11:24					X											
B279 - 2.5	-60		11:26					X											
B279 - 5.0	-61		11:29					X											
A278 - 0.5	-62		11:40					X											
A278 - 1.0	-63		11:40					X											
A278 - 2.5	-64		11:43					X											
A278 - 5.0	-65		11:47					X											
B278 - 0.5	-66		12:00					X											
B278 - 1.0	-67		12:00					X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/11/09 1125	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/11/09 13:30	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-10-09

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
Ø 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B278 - 2.5	090611-68	6/10/09	12:03	Soil	1		ICE	X										
B278 - 5.0	-69		12:05					X										
A277 - 0.5	-70		12:13					X										
A277 - 1.0	-71		12:13					X										
A277 - 2.5	-72		12:15					X										
A277 - 5.0	-73		12:17					X										
B277 - 0.5	-74		12:28					X										
B277 - 1.0	-75		12:28					X										
B277 - 2.5	-76		12:31					X										
B277 - 5.0	-77		12:34					X										
A276 - 0.5	-78		12:45					X										
A276 - 1.0	-79		12:45					X										
A276 - 2.5	-80		12:47					X										
A276 - 5.0	-81	↓	12:49	↓				X										
E007	-82	water	12:51	water	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/11/09 1125
Relinquished by:	Received by:	Date & Time: 6/11/09 1300
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-10-09

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
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B276-0.5	090611-83	6-10-09	12:59	Soil	1		ICE	X										
B276-1.0	-84		12:59					X										
B276-2.5	-85		13:02					X										
B276-5.0	-86		13:06					X				X						
B776-0.5	-87		13:09					X										
B776-1.0	-88		13:09					X										
B776-2.5	-89		13:11					X										
B776-5.0	-90		13:14					X				X						
A275-0.5	-91		13:28					X										
A275-1.0	-92		13:28					X										
A275-2.5	-93		13:31					X				X						
A275-5.0	-94		13:35					X										
B275-0.5	-95		13:46					X										
B275-1.0	-96		17:46					X										
B275-2.5	-97		13:48					X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/11/09 1125	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/11/09 1300	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	✓ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-10-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B275 - 5.0	090611-98	6-10-09	13:51	Soil	1		ICE	X						
B775 - 0.5	-99		13:54					X						STLC Req'd
B775 - 1.0	-100		13:54					X						
B775 - 2.5	-101		13:56					X						
B775 - 5.0	-102		13:59					X						
A274 - 0.5	-103		14:07					X						
A274 - 1.0	-104		14:07					X						
A274 - 2.5	-105		14:09					X				X		
A274 - 5.0	-106		14:13					X						
B274 - 0.5	-107		14:20					X						
B274 - 1.0	-108		14:20					X						
B274 - 2.5	-109		14:22					X				X		
B274 - 5.0	-110		14:25					X						
B774 - 0.5	-111		14:28					X						
B774 - 1.0	-112		14:28					X						

Company Name: Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:	
Address: 41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001	
City/State/Zip: Temecula, CA 92591	Fax: 951-296-0534		

Relinquished by:	Received by:	Date & Time: 6/11/09 1125	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/11/09 1340	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-10-09

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
☑ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B774-2.5	09061I-113	6-10-09	14:30	Soil	1		ICE	X			X			
B774-5.0	-114	6-10-09	14:32	Soil	1		ICE	X						
A273-0.5	-115	6-10-09	14:39	Soil	1		ICE	X						
A273-1.0	-116	6-10-09	14:39	Soil	1		ICE	X						
A273-2.5	-117	6-10-09	14:43	Soil	1		ICE	X						
~~A273-5.0~~	~~-118~~			~~Soil~~	~~1~~		~~ICE~~	X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/11/09 1125
Relinquished by:	Received by:	Date & Time: 6/11/09 12:45
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-10-09

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: June 19, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090612-29 through -122**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 12, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/12/09
SAMPLING DATE: 06/11/09 DATE ANALYZED: 06/12/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A272-5.0	090612-36	6.75
A270-1.0	090612-50	7.68
A269-0.5	090612-61	7.02
B269-2.5	090612-67	8.21
A267-1.0	090612-78	6.84
B266-1.0	090612-90	7.54
A263-2.5	090612-116	7.34

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/12/2009	090612-116	7.34	7.37	0.4%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/10/2009	090610-41	5952	5780	2.9%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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					0-20	80-120					
Ammonia as N	mg/Kg	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/11/2009	090609-15	200	26.8	0-20	80-120	206	90%	216	95%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/6/2009	090128-126	4.0	0.000	0-20	80-120	3.40	85%	3.52	88%	3.0%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/11/2009	090609-15	200	15.6	0-20	80-120	213	99%	211	98%	1.0%
Sulfide	mg/Kg			3.00		0-20	80-120					#VALUE!
TRPH	mg/Kg	4/22/2009	LCS1/2	667	0.0	0-20	80-120	583	87%	575	86%	1.2%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/12/09
SAMPLING DATE: 06/11/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B273-0.5	090612-29	1.27	1
B273-1.0	090612-30	ND	1
B273-2.5	090612-31	3.83	1
B273-5.0	090612-32	7.36	1
A272-0.5	090612-33	9.57	1
A272-1.0	090612-34	9.80	1
A272-2.5	090612-35	6.49	1
A272-5.0	090612-36	11.5	1
B272-0.5	090612-37	2.38	1
B272-1.0	090612-38	ND	1
B272-2.5	090612-39	10.8	1
B272-5.0	090612-40	4.22	1
A271-0.5	090612-41	5.07	1
A271-1.0	090612-42	4.78	1
A271-2.5	090612-43	13.4	1
A271-5.0	090612-44	2.90	1
B271-0.5	090612-45	10.7	1
B271-1.0	090612-46	2.71	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/12/09
SAMPLING DATE: 06/11/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B271-2.5	090612-47	ND	1
B271-5.0	090612-48	8.94	1
A270-0.5	090612-49	6.83	1
A270-1.0	090612-50	11.9	1
A270-2.5	090612-51	13.4	1
A270-5.0	090612-52	9.47	1
B270-0.5	090612-53	6.83	1
B270-1.0	090612-54	9.69	1
B270-2.5	090612-55	6.33	1
B270-5.0	090612-56	7.50	1
B770-0.5	090612-57	5.27	1
B770-1.0	090612-58	5.24	1
B770-2.5	090612-59	8.61	1
B770-5.0	090612-60	5.77	1
A269-0.5	090612-61	2.57	1
A269-1.0	090612-62	6.09	1
A269-2.5	090612-63	7.76	1
A269-5.0	090612-64	3.61	1
B269-0.5	090612-65	90.0 *	1
B269-1.0	090612-66	2.09	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/12/09
SAMPLING DATE: 06/11/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B269-2.5	090612-67	ND	1
B269-5.0	090612-68	5.44	1
A268-0.5	090612-69	8.32	1
A268-1.0	090612-70	5.30	1
A268-2.5	090612-71	4.89	1
A268-5.0	090612-72	9.67	1
B268-0.5	090612-73	10.1	1
B268-1.0	090612-74	11.3	1
B268-2.5	090612-75	5.29	1
B268-5.0	090612-76	5.61	1
A267-0.5	090612-77	10.7	1
A267-1.0	090612-78	7.92	1
A267-2.5	090612-79	9.50	1
A267-5.0	090612-80	4.51	1
B267-0.5	090612-81	16.7	1
B267-1.0	090612-82	6.77	1
B267-2.5	090612-83	18.6	1
B267-5.0	090612-84	8.43	1
A266-0.5	090612-85	7.89	1
A266-1.0	090612-86	5.98	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/12/09
SAMPLING DATE: 06/11/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A266-2.5	090612-87	5.08	1
A266-5.0	090612-88	13.3	1
B266-0.5	090612-89	41.7	1
B266-1.0	090612-90	9.05	1
B266-2.5	090612-91	16.7	1
B266-5.0	090612-92	8.57	1
A265-0.5	090612-93	16.2	1
A265-1.0	090612-94	6.17	1
A265-2.5	090612-95	3.79	1
A265-5.0	090612-96	5.02	1
B265-0.5	090612-97	6.46	1
B265-1.0	090612-98	3.40	1
B265-2.5	090612-99	7.25	1
B265-5.0	090612-100	6.30	1
A264-0.5	090612-101	18.3	1
A264-1.0	090612-102	4.49	1
A264-2.5	090612-103	17.1	1
A264-5.0	090612-104	14.1	1
B264-0.5	090612-105	3.34	1
B264-1.0	090612-106	5.49	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/12/09
SAMPLING DATE: 06/11/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B264-2.5	090612-107	3.37	1
B264-5.0	090612-108	6.78	1
B764-0.5	090612-109	5.93	1
B764-1.0	090612-110	87.3 *	1
B764-2.5	090612-111	8.02	1
B764-5.0	090612-112	6.76	1
A263-0.5	090612-114	162 *	1
A263-1.0	090612-115	4.69	1
A263-2.5	090612-116	12.5	1
A263-5.0	090612-117	67.9 *	1
B263-0.5	090612-118	10.8	1
B263-1.0	090612-119	4.10	1
B263-2.5	090612-120	4.79	1
A262-0.5	090612-121	25.9	1
A262-1.0	090612-122	4.19	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/16/2009

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
Lead (Pb)	090612-30	1.00	107	PASS	0	50.0	50.1	100%	51.0	102%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: D

FINAL REVIEWER: e

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/16/2009 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
Lead (Pb)	090612-47	1.00	109	PASS	0	50.0	49.4	99%	48.1	96%	3%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: [signature]

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/16/2009 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
Lead (Pb)	090612-67	1.00	108	PASS	0	50.0	53.1	106%	52.7	105%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/16/2009 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
Lead (Pb)	090612-95	1.00	112	PASS	3.79	50.0	58.7	110%	59.9	112%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

(PAGE 5 of 5)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/16/2009 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
Lead (Pb)	(090612-107)	1.00	113	PASS	3.37	50.0	59.2	112%	58.3	110%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: WATER DATE RECEIVED: 06/12/09
SAMPLING DATE: 06/11/09 DATE ANALYZED: 06/15/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E008	090612-113	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/15/2009 **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
Copper (Cu)	090611-82	1.00	99	PASS	0	1.00	0.992	99%	1.00	100%	1%
Lead (Pb)	090611-82	1.00	107	PASS	0	1.00	1.02	102%	1.03	103%	1%
Zinc (Zn)	090611-82	1.00	104	PASS	0	1.00	1.00	100%	1.01	101%	1%

ANALYSIS DATE. : 6/12/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090612-11	0.00250	93.2	PASS	0	0.00250	0.00220	88%	0.00213	85%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/12/09
SAMPLING DATE: 06/11/09 DATE ANALYZED: 06/17-19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B269-0.5	090612-65	0.918	1
B764-1.0	090612-110	ND	1
A263-0.5	090612-114	1.79	1
A263-5.0	090612-117	3.76	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009

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
Chromium (Cr)	090618-48	1.00	106	PASS	0	5.00	4.76	95%	4.82	96%	1%
Copper (Cu)	090618-48	1.00	98	PASS	0	5.00	5.09	102%	5.16	103%	1%
Lead (Pb)	090618-48	1.00	111	PASS	0	5.00	4.98	100%	4.98	100%	0%

ANALYSIS DATE: 6/19/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090612-2	0.0125	91.2	PASS	0	0.0125	0.0107	86%	0.0112	90%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B273-0.5	0P0422-29	6-11-09	9:01	Soil	1		ICE	X										
B273-1.0	-30		9:01					X										
B273-2.5	-31		9:04					X										
B273-5.0	-32		9:07					X										
A272-0.5	-33		9:16					X										
A272-1.0	-34		9:16					X										
A272-2.5	-35		9:19					X										
A272-5.0	-36		9:22					X				X						
B272-0.5	-37		9:30					X										
B272-1.0	-38		9:30					X										
B272-2.5	-39		9:32					X										
B272-5.0	-40		9:35					X										
A271-0.5	-41		9:43					X										
A271-1.0	-42		9:43					X										
A271-2.5	-43	↓	9:45	↓	↓		↓	X										

Company Name:	Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:
Address:	41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001
City/State/Zip:	Temecula, CA 92591	Fax: 951-296-0534	

Relinquished by:	Received by:	Date & Time: 6/12/09 0825	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/12/09 10:35	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-11-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A271-5.0	90612-44	6-11-09	9:47	Soil	1		ICE	X										
B271-0.5	-45		9:56					X										
B271-1.0	-46		9:56					X										
B271-2.5	-47		9:59					X										
B271-5.0	-48		10:03					X										
A270-0.5	-49		10:14					X										
A270-1.0	-50		10:14					X				X						
A270-2.5	-51		10:17					X										
A270-5.0	-52		10:20					X										
B270-0.5	-53		10:27					X										
B270-1.0	-54		10:27					X										
B270-2.5	-55		10:30					X										
B270-5.0	-56		10:32					X										
B770-0.5	-57		10:35					X										
B770-1.0	-58	↓	10:35	↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/12/09 0825	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/12/09 10:30	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-11-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B770 - 2.5	0906 12-59	6-11-09	10:37	Soil	1		ICE	X						
B770 - 5.0	-60		10:40					X						
A269 - 0.5	-61		10:48					X				X		
A269 - 1.0	-62		10:48					X						
A269 - 2.5	-63		10:53					X						
A269 - 5.0	-64		10:55					X						
B269 - 0.5	-65		11:01					X						
B269 - 1.0	-66		11:01					X						
B269 - 2.5	-67		11:06					X				X		
B269 - 5.0	-68		11:08					X						
A268 - 0.5	-69		11:18					X						
A268 - 1.0	-70		11:18					X						
A268 - 2.5	-71		11:20					X						
A268 - 5.0	-72		11:23					X						
B268 - 0.5	-73	↓	11:32	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/12/09 0825	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/12/09 1030	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-11-09

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
- O Same Day
- O 24 Hours
- O 48 Hours
- O 72 Hours
- ✓ 1 Week (Standard)
- Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	PH 9045						Misc.	COMMENTS
								Analysis Required											
B268 - 1.0	42062-74	6-11-09	11:32	Soil	1		ICE	X											
B268 - 2.5	-75		11:36					X											
B268 - 5.0	-76		11:39					X											
A267 - 0.5	-77		11:48					X											
A267 - 1.0	-78		11:48					X				X							
A267 - 2.5	-79		11:51					X											
A267 - 5.0	-80		11:54					X											
B267 - 0.5	-81		12:09					X											
B267 - 1.0	-82		12:09					X											
B267 - 2.5	-83		12:12					X											
B267 - 5.0	-84		12:15					X											
A266 - 0.5	-85		12:24					X											
A266 - 1.0	-86		12:24					X											
A266 - 2.5	-87		12:26					X											
A266 - 5.0	-88	↓	12:29	↓	↓		↓	X											

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/12/09 0825	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-11-09

WHITE WITH SAMPLE - YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B266-0.5	0906D-89	6-11-09	12:36	Soil	1		ICE	X										
B266-1.0	-90		12:36					X				X						
B266-2.5	-91		12:40					X										
B266-5.0	-92		12:42					X										
A265-0.5	-93		12:50					X										
A265-1.0	-94		12:50					X										
A265-2.5	-95		12:52					X										
A265-5.0	-96		12:54					X										
B265-0.5	-97		13:24					X										
B265-1.0	-98		13:24					X										
B265-2.5	-99		13:26					X										
B265-5.0	-100		13:28					X										
A264-0.5	-101		13:35					X										
A264-1.0	-102		13:33					X										
A264-2.5	-103		13:39					X										

Company Name: **Leighton Consulting, Inc.**
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Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/12/09 0825	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-11-09

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Turnaround Time
- 0 Same Day
- 0 24 Hours
- 0 48 Hours
- 0 72 Hours
- ✓ 1 Week (Standard)
- Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A264-5.0	0906I2-104	6-11-09	1343	Soil	1		ICE	X						
B264-0.5	-105		13:53					X						
B264-1.0	-106		13:53					X						
B264-2.5	-107		13:55					X						
B264-5.0	-108		13:57					X						
B764-0.5	-109		14:00					X						
B764-1.0	-110		14:00					X						
B764-2.5	-111		14:03					X						
B764-5.0	-112		14:05	↓				X						
E008	-113	W	14:07	Water				X						
A263-0.5	-114		14:15	Soil				X						
A263-1.0	-115		14:15					X						
A263-2.5	-116		14:18					X				X		
A263-5.0	-117		14:21					X						
B263-0.5	-118	↓	14:28	↓	↓		↓	X						

Company Name:	Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:
Address:	41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001
City/State/Zip:	Temecula, CA 92591	Fax: 951-296-0534	

Relinquished by:	Received by:	Date & Time: 6/12/09 0825
Relinquished by:	Received by:	Date & Time: 6/12/09 1045
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
✓ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-11-09

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Turnaround Time
0 Same Day
0 24 Hours
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0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B263-1.0	906211P	6-11-09	14:28	Soil	1		ICE	X						
B263-2.5	-12W	↓	14:32	↓	↓		↓	X						
B262-0.5	-121	↓	14:44	↓	↓		↓	X						
B262-1.0	-12R	↓	14:44	↓	↓		↓	X						
MB								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/12/09 0825
Relinquished by:	Received by:	Date & Time: 6/12/09 10:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-11-09

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: June 22, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090616-117 through -213**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 16, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/16/09
SAMPLING DATE: 06/15/09 DATE ANALYZED: 06/16/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/22/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A260-1.0	090616-134	6.98
B260-2.5	090616-139	7.39
B258-1.0	090616-154	7.52
B257-1.0	090616-166	7.29
A254-2.5	090616-187	7.54
A253-1.0	090616-195	6.92
A252-2.5	090616-208	7.08

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/16/2009	090616-208	7.08	7.10	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/18/2009	090618-187	2146	2128	0.8%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/19/2009	LCS1/2	200	0.0	0-20	80-120	163	82%	163	82%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/6/2009	090128-126	4.0	0.000	0-20	80-120	3.40	85%	3.52	88%	3.0%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/19/2009	090618-187	200	39.1	0-20	80-120	211	86%	213	87%	1.0%
Sulfide	mg/Kg			3.00		0-20	80-120					#VALUE!
TRPH	mg/Kg	6/19/2009	LCS1/2	667	0.0	0-20	80-120	567	85%	607	91%	6.0%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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: WP

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/16/09
SAMPLING DATE:06/15/09 DATE ANALYZED:06/17/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/22/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B262-0.5	090616-117	10.6	1
B262-1.0	090616-118	4.82	1
B262-2.5	090616-119	4.88	1
B262-5.0	090616-120	4.72	1
A762-0.5	090616-121	5.30	1
A762-1.0	090616-122	3.09	1
A762-2.5	090616-123	5.08	1
A762-5.0	090616-124	4.83	1
A261-0.5	090616-125	7.83	1
A261-1.0	090616-126	4.35	1
A261-2.5	090616-127	4.24	1
A261-5.0	090616-128	6.17	1
B261-0.5	090616-129	6.29	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/16/09
SAMPLING DATE: 06/15/09 DATE ANALYZED: 06/17/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/22/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B261-1.0	090616-130	7.32	1
B261-2.5	090616-131	3.79	1
B261-5.0	090616-132	4.59	1
A260-0.5	090616-133	2.75	1
A260-1.0	090616-134	4.90	1
A260-2.5	090616-135	4.97	1
A260-5.0	090616-136	2.29	1
B260-0.5	090616-137	4.83	1
B260-1.0	090616-138	5.53	1
B260-2.5	090616-139	5.08	1
B260-5.0	090616-140	5.81	1
A259-0.5	090616-141	6.90	1
A259-1.0	090616-142	3.92	1
A259-2.5	090616-143	2.60	1
A259-5.0	090616-144	5.03	1
B259-0.5	090616-145	4.97	1
B259-1.0	090616-146	22.5	1
B259-2.5	090616-147	4.00	1
B259-5.0	090616-148	5.47	1
A258-0.5	090616-149	27.8	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
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CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/16/09
SAMPLING DATE: 06/15/09 DATE ANALYZED: 06/17/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/22/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A258-1.0	090616-150	8.00	1
A258-2.5	090616-151	63.1 *	1
A258-5.0	090616-152	3.99	1
B258-0.5	090616-153	7.55	1
B258-1.0	090616-154	4.28	1
B258-2.5	090616-155	3.19	1
B258-5.0	090616-156	3.64	1
A257-0.5	090616-157	12.5	1
A257-1.0	090616-158	6.40	1
A257-2.5	090616-159	9.20	1
A257-5.0	090616-160	6.12	1
A757-0.5	090616-161	9.87	1
A757-1.0	090616-162	4.65	1
A757-2.5	090616-163	8.49	1
A757-5.0	090616-164	4.79	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/16/09
SAMPLING DATE: 06/15/09 DATE ANALYZED: 06/18/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/22/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B257-0.5	090616-165	7.34	1
B257-1.0	090616-166	5.37	1
B257-2.5	090616-167	7.54	1
B257-5.0	090616-168	2.12	1
A256-0.5	090616-169	9.94	1
A256-1.0	090616-170	12.6	1
A256-2.5	090616-171	8.86	1
A256-5.0	090616-172	7.92	1
B256-0.5	090616-173	17.3	1
B256-1.0	090616-174	9.38	1
B256-2.5	090616-175	5.20	1
B256-5.0	090616-176	3.01	1
A255-0.5	090616-177	4.19	1
A255-1.0	090616-178	13.8	1
A255-2.5	090616-179	2.78	1
A255-5.0	090616-180	2.29	1
B255-0.5	090616-181	1.58	1
B255-1.0	090616-182	8.52	1
B255-2.5	090616-183	1.92	1
B255-5.0	090616-184	7.51	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
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ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
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* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/16/09
SAMPLING DATE: 06/15/09 DATE ANALYZED: 06/18/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/22/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A254-0.5	090616-185	11.7	1
A254-1.0	090616-186	12.9	1
A254-2.5	090616-187	4.46	1
A254-5.0	090616-188	1.91	1
B254-0.5	090616-190	12.0	1
B254-1.0	090616-191	6.16	1
B254-2.5	090616-192	7.97	1
B254-5.0	090616-193	7.46	1
A253-0.5	090616-194	30.3	1
A253-1.0	090616-195	7.28	1
A253-2.5	090616-196	5.33	1
A253-5.0	090616-197	5.89	1
B253-0.5	090616-198	10.2	1
B253-1.0	090616-199	3.04	1
B253-2.5	090616-200	2.37	1
B253-5.0	090616-201	5.85	1
B753-0.5	090616-202	8.73	1
B753-1.0	090616-203	3.54	1
B753-2.5	090616-204	4.26	1
B753-5.0	090616-205	5.56	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/16/09
SAMPLING DATE: 06/15/09 DATE ANALYZED: 06/18/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/22/09

EPA 6010B FOR TTLC-LEAD; PAGE 6 OF 6
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A252-0.5	090616-206	24.7	1
A252-1.0	090616-207	23.3	1
A252-2.5	090616-208	6.13	1
A252-5.0	090616-209	5.98	1
B252-0.5	090616-210	ND	1
B252-1.0	090616-211	14.8	1
B252-2.5	090616-212	10.8	1
B252-5.0	090616-213	11.0	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/17/2009 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
Lead (Pb)	090616-118	1.00	104	PASS	4.82	50.0	51.8	94%	51.1	93%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/17/2009 — **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
Lead (Pb)	090616-136	1.00	105	PASS	2.29	50.0	51.8	99%	52.6	101%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/17/2009

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
Lead (Pb)	090616-152	1.00	103	PASS	3.99	50.0	52.1	96%	53.0	98%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/18/2009

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
Lead (Pb)	090616-168	1.00	105	PASS	2.12	50.0	48.7	93%	48.4	93%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/18/2009 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
Lead (Pb)	090616-188	1.00	98	PASS	1.91	50.0	55.5	107%	55.1	106%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/18/2009 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
Lead (Pb)	090616-210	1.00	101	PASS	0	50.0	53.9	108%	51.3	103%	5%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: WATER DATE RECEIVED: 06/16/09
SAMPLING DATE: 06/15/09 DATE ANALYZED: 06/17/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/19/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E009	090616-189	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/17/2009 **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
Copper (Cu)	090616-116	1.00	102	PASS	0	1.00	1.02	102%	1.03	103%	1%
Lead (Pb)	090616-116	1.00	109	PASS	0	1.00	1.11	111%	1.11	111%	0%
Zinc (Zn)	090616-116	1.00	106	PASS	0	1.00	1.09	109%	1.10	110%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-32	0.00250	92.4	PASS	0	0.00250	0.00221	88%	0.00212	85%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/16/09
SAMPLING DATE: 06/15/09 DATE ANALYZED: 06/17-19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/22/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A258-2.5	090616-151	0.855	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 — **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
Chromium (Cr)	090618-48	1.00	106	PASS	0	5.00	4.76	95%	4.82	96%	1%
Copper (Cu)	090618-48	1.00	98	PASS	0	5.00	5.09	102%	5.16	103%	1%
Lead (Pb)	090618-48	1.00	111	PASS	0	5.00	4.98	100%	4.98	100%	0%

ANALYSIS DATE: 6/19/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090612-2	0.0125	91.2	PASS	0	0.0125	0.0107	86%	0.0112	90%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B262-0.5	0P0616-117	6-15-09	9:08	Soil	1		ICE	X						
B262-1.0	-118		9:08					X						
B262-2.5	-119		9:11					X						
B262-5.0	-120		9:14					X						
B762-0.5	-121		9:17					X						
B762-1.0	-122		9:17					X						
B762-2.5	-123		9:20					X						
B762-5.0	-124		9:22					X						
A261-0.5	-125		9:31					X						
A261-1.0	-126		9:31					X						
A261-2.5	-127		9:33					X						
A261-5.0	-128		9:36					X						
B261-0.5	-129		9:46					X						
B261-1.0	-130		9:46					X						
B261-2.5	-131	↓	9:48	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/16/09 1225
Relinquished by:	Received by: WP	Date & Time: 6/16/09 15:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
✓ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-15-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B261 - 5.0	0906 16-132	6-15-09	9:51	Soil	1		ICE	X											
A260 - 0.5	-133		9:59					X											
A260 - 1.0	-134		9:59					X				X							
A260 - 2.5	-135		10:02					X											
A260 - 5.0	-136		10:04					X											
B260 - 0.5	-137		10:13					X											
B260 - 1.0	-138		10:13					X											
B260 - 2.5	-139		10:15					X				X							
B260 - 5.0	-140		10:18					X											
A259 - 0.5	-141		10:27					X											
A259 - 1.0	-142		10:27					X											
A259 - 2.5	-143		10:30					X											
A259 - 5.0	-144		10:37					X											
B259 - 0.5	-145		10:48					X											
B259 - 1.0	-146	↓	10:48	↓	↓		↓	X											

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/16/09 1225	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/16/09 1550	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-15-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					COMMENTS
								Analysis Required									
B259-2.5	0906 16-147	6-15-09	10:50	Soil	1		ICE	X									
B259-5.0	-148		10:53					X									
A258-0.5	-149		11:01					X									
A258-1.0	-150		11:01					X									
A258-2.5	-151		11:03					X									
A258-5.0	-152		11:06					X									
B258-0.5	-153		11:16					X									
B258-1.0	-154		11:16					X				X					
B258-2.5	-155		11:20					X									
B258-5.0	-156		11:22					X									
A257-0.5	-157		11:33					X									
A257-1.0	-158		11:33					X									
A257-2.5	-159		11:36					X									
A257-5.0	-160		11:40					X									
A757-0.5	-161	↓	11:42	↓	↓		↓	X									

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/16/09 1225	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/16/09 15:50	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-15-09

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
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						COMMENTS
								Analysis Required										
A757-1.0	0906-162	6-15-09	11:42	Soil	1		ICE	X										
A757-2.5	-163		11:45					X										
A757-5.0	-164		11:49					X										
B257-0.5	-165		11:58					X										
B257-1.0	-166		11:58					X				X						
B257-2.5	-167		12:01					X										
B257-5.0	-168		12:04					X										
A256-0.5	-169		12:14					X										
A256-1.0	-170		12:14					X										
A256-2.5	-171		12:18					X										
A256-5.0	-172		12:20					X										
B256-0.5	-173		12:29					X										
B256-1.0	-174		12:29					X										
B256-2.5	-175		12:32					X										
B256-5.0	-176	↓	12:34	↓	↓		↓	X										

Misc.

Company Name: Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:
Address: 41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001
City/State/Zip: Temecula, CA 92591	Fax: 951-296-0534	

Relinquished by:	Received by:	Date & Time: 6/16/09 1225
Relinquished by:	Received by:	Date & Time: 6/16/09 1225
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-15-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A255-0.5	0P0616-177	6-15-09	12:44	Soil	1		ICE	X										
A255-1.0	-178		12:44					X										
A255-2.5	-179		12:46					X										
A255-5.0	-180		12:50					X										
B255-0.5	-181		13:00					X										
B255-1.0	-182		13:00					X										
B255-2.5	-183		13:02					X										
B255-5.0	-184		13:06					X										
A254-0.5	-185		13:25					X										
A254-1.0	-186		13:25					X										
A254-2.5	-187		13:28					X				X						
A254-5.0	-188		13:30	↓				X										
E009	-189		13:31	WATER				X										
B254-0.5	-190		13:46	Soil				X										
B254-1.0	-191	↓	13:40	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	6/16/09 Date & Time: 1225	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	6/16/09 Date & Time: 1600	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time.	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-15-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B254-2.5	0906-192	6-15-09	13:42	Soil	1		ICE	X						
B254-5.0	-193		13:45					X						
A253-0.5	-194		13:56					X						
A253-1.0	195		13:56					X			X			
A253-2.5	196		13:59					X						
A253-5.0	197		14:02					X						
B253-0.5	198		14:11					X						
B253-1.0	199		14:11					X						
B253-2.5	200		14:13					X						
B253-5.0	201		14:16					X						
B753-0.5	202		14:18					X						
B753-1.0	203		14:18					X						
B753-2.5	204		14:20					X						
B753-5.0	205		14:22					X						
A252-0.5	206	↓	14:30	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/16/09 1225	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/16/09 1:50 PM	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-15-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A252-1.0	0906-207	6-15-09	14:30	Soil	1		ICE	X						
A252-2.5	-208		14:33					X			X			
A252-5.0	-209		14:35					X						
B252-0.5	-210		14:43					X						
B252-1.0	-211		14:43					X						
B252-2.5	-212		14:45					X						
B252-5.0	-213	↓	14:47	↓	↓		↓	X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/16/09 1225
Relinquished by:	Received by:	Date & Time: 6/16/09 1225
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X O Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-15-09

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: June 24, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090617-82 through -170**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 17, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/17/09
SAMPLING DATE:06/16/09 DATE ANALYZED:06/17/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/24/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
B251-2.5	090617-90	6.87
B250-1.0	090617-94	7.19
B249-1.0	090617-101	7.01
B248-2.5	090617-106	6.75
A247-1.0	090617-109	6.70
A246-5.0	090617-117	6.29
A245-1.0	090617-126	6.36
A244-2.5	090617-133	6.31
B242-2.5	090617-153	6.78
B241-2.5	090617-160	6.31
B741-2.5	090617-163	6.48
B240-1.0	090617-168	6.54

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/17/2009	090617-168	6.54	6.55	0.2%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/10/2009	090610-41	5952	5780	2.9%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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					0-20	80-120					
Ammonia as N	mg/Kg	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/11/2009	090609-15	200	26.8	0-20	80-120	206	90%	216	95%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/6/2009	090128-126	4.0	0.000	0-20	80-120	3.40	85%	3.52	88%	3.0%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/11/2009	090609-15	200	15.6	0-20	80-120	213	99%	211	98%	1.0%
Sulfide	mg/Kg			3.00		0-20	80-120					#VALUE!
TRPH	mg/Kg	4/22/2009	LCS1/2	667	0.0	0-20	80-120	583	87%	575	86%	1.2%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

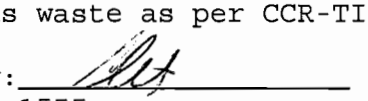
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/17/09
SAMPLING DATE: 06/16/09 DATE ANALYZED: 06/19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A251-0.5	090617-82	21.9	1
A251-1.0	090617-83	7.60	1
A251-2.5	090617-84	5.82	1
A751-0.5	090617-85	7.24	1
A751-1.0	090617-86	6.63	1
A751-2.5	090617-87	5.99	1
B251-0.5	090617-88	5.42	1
B251-1.0	090617-89	7.83	1
B251-2.5	090617-90	1.85	1
A250-0.5	090617-91	12.5	1
A250-1.0	090617-92	8.07	1
B250-0.5	090617-93	31.4	1
B250-1.0	090617-94	6.28	1
B250-2.5	090617-95	4.94	1
B250-5.0	090617-96	6.81	1
A249-0.5	090617-97	16.0	1
A249-1.0	090617-98	7.11	1
A249-2.5	090617-99	10.8	1
B249-0.5	090617-100	19.8	1
B249-1.0	090617-101	28.2	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/17/09
SAMPLING DATE: 06/16/09 DATE ANALYZED: 06/19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A248-0.5	090617-102	12.3	1
A248-1.0	090617-103	13.1	1
B248-0.5	090617-104	17.4	1
B248-1.0	090617-105	15.4	1
B248-2.5	090617-106	21.4	1
B248-4.0	090617-107	10.6	1
A247-0.5	090617-108	82.9 *	1
A247-1.0	090617-109	9.90	1
A247-2.5	090617-110	17.1	1
A247-3.5	090617-111	8.01	1
B247-0.5	090617-112	12.3	1
B247-1.0	090617-113	7.32	1
A246-0.5	090617-114	28.4	1
A246-1.0	090617-115	11.7	1
A246-2.5	090617-116	6.59	1
A246-5.0	090617-117	7.49	1
A746-0.5	090617-118	71.7 *	1
A746-1.0	090617-119	11.8	1
A746-2.5	090617-120	6.92	1
B246-0.5	090617-121	40.3	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/17/09
SAMPLING DATE: 06/16/09 DATE ANALYZED: 06/19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B246-1.0	090617-122	12.1	1
B246-2.5	090617-123	12.3	1
B246-5.0	090617-124	7.98	1
A245-0.5	090617-125	12.6	1
A245-1.0	090617-126	1.75	1
A245-2.5	090617-127	4.55	1
A245-5.0	090617-128	8.49	1
B245-0.5	090617-129	31.4	1
B245-1.0	090617-130	21.1	1
A244-0.5	090617-131	8.64	1
A244-1.0	090617-132	5.69	1
A244-2.5	090617-133	8.76	1
A244-5.0	090617-134	16.7	1
B244-0.5	090617-135	17.2	1
B244-1.0	090617-136	6.76	1
B244-2.5	090617-137	22.1	1
B244-5.0	090617-138	8.56	1
A243-0.5	090617-140	129 *	1
A243-1.0	090617-141	6.49	1
A243-2.5	090617-142	3.43	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/17/09
SAMPLING DATE: 06/16/09 DATE ANALYZED: 06/19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A243-5.0	090617-143	42.2	1
B243-0.5	090617-144	42.1	1
B243-1.0	090617-145	6.39	1
B243-2.5	090617-146	19.7	1
B243-5.0	090617-147	20.2	1
A242-0.5	090617-148	6.81	1
A242-1.0	090617-149	7.03	1
A242-2.5	090617-150	10.2	1
B242-0.5	090617-151	12.3	1
B242-1.0	090617-152	21.7	1
B242-2.5	090617-153	7.08	1
A241-0.5	090617-154	42.3	1
A241-1.0	090617-155	10.2	1
A241-2.5	090617-156	9.04	1
A241-5.0	090617-157	9.26	1
B241-0.5	090617-158	82.6 *	1
B241-1.0	090617-159	10.8	1
B241-2.5	090617-160	12.8	1
B741-0.5	090617-161	19.1	1
B741-1.0	090617-162	8.53	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/17/09
SAMPLING DATE:06/16/09 DATE ANALYZED:06/19/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B741-2.5	090617-163	11.2	1
A240-0.5	090617-164	14.5	1
A240-1.0	090617-165	8.54	1
A240-2.5	090617-166	2.63	1
B240-0.5	090617-167	30.4	1
B240-1.0	090617-168	12.0	1
B240-2.5	090617-169	13.3	1
B240-5.0	090617-170	10.7	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 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
Lead (Pb)	090617-87	1.00	102	PASS	5.99	50.0	58.2	104%	59.2	106%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 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
Lead (Pb)	090617-109	1.00	101	PASS	9.90	50.0	56.5	93%	57.0	94%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 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
Lead (Pb)	090617-126	1.00	103	PASS	1.75	50.0	53.8	104%	54.1	105%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 — **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
Lead (Pb)	090617-145	1.00	103	PASS	6.39	50.0	53.0	93%	53.4	94%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

(1585)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009

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
Lead (Pb)	090617-166	1.00	104	PASS	2.63	50.0	52.1	99%	51.3	97%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: WATER DATE RECEIVED: 06/17/09
SAMPLING DATE: 06/16/09 DATE ANALYZED: 06/18/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E010	090617-139	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/18/2009 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
Copper (Cu)	090617-139	1.00	101	PASS	0	1.00	1.15	115%	1.11	111%	4%
Lead (Pb)	090617-139	1.00	110	PASS	0	1.00	1.15	115%	1.16	116%	1%
Zinc (Zn)	090617-139	1.00	107	PASS	0	1.00	1.17	117%	1.14	114%	3%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-32	0.00250	92.4	PASS	0	0.00250	0.00221	88%	0.00212	85%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/17/09
SAMPLING DATE: 06/16/09 DATE ANALYZED: 06/19-22/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A247-0.5	090617-108	4.93	1
A746-0.5	090617-118	2.34	1
A243-0.5	090617-140	1.57	1
B241-0.5	090617-158	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/22/2009 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
Chromium (Cr)	090610-101	1.00	104	PASS	0	5.00	5.05	101%	5.17	103%	2%
Copper (Cu)	090610-101	1.00	101	PASS	0	5.00	5.10	102%	5.23	105%	3%
Lead (Pb)	090610-101	1.00	104	PASS	0	5.00	5.19	104%	5.22	104%	1%

ANALYSIS DATE: 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090618-46	0.0125	92.2	PASS	0	0.0125	0.0108	86%	0.0106	85%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A2S1 - 0.5	0P0617-82	6-16-09	9:04	Soil	1		ICE	X						
A2S1 - 1.0	-83		9:04					X						
A2S1 - 2.5	-84		9:07					X						
A7S1 - 0.5	-85		9:10					X						
A7S1 - 1.0	-86		9:10					X						
A7S1 - 2.5	-87		9:14					X						
B2S1 - 0.5	-88		9:24					X						
B2S1 - 1.0	-89		9:24					X						
B2S1 - 2.5	-90		9:26					X			X			
A2S0 - 0.5	-91		9:37					X						
A2S0 - 1.0	-92		9:37					X						
B2S0 - 0.5	-93		9:45					X						
B2S0 - 1.0	-94		9:45					X			X			
B2S0 - 2.5	-95		9:48					X						
B2S0 - 5.0	-96	↓	9:56	↓	↓		↓	X						

Company Name:	Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:
Address:	41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001
City/State/Zip:	Temecula, CA 92591	Fax: 951-296-0534	

Relinquished by:	Received by:	Date & Time: 6/17/09 11:45
Relinquished by:	Received by:	Date & Time: 6/17/09 14:40
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-16-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					COMMENTS
								Analysis Required									
A249-0.5	SP067-97	6-16-09	10:00	Soil	1		ICE	X									
A249-1.0	98		10:00					X									
A249-2.5	99		10:05					X									
B249-0.5	100		10:14					X									
B249-1.0	101		10:14					X				X					
A248-0.5	102		10:24					X									
A248-1.0	103		10:24					X									
B248-0.5	104		10:34					X									
B248-1.0	105		10:34					X									
B248-2.5	106		10:37					X				X					
B248-4.0	107		10:41					X									
A247-0.5	108		10:52					X									
A247-1.0	109		10:52					X				X					
A247-2.5	110		10:58					X									
A247-3.5	111		10:58					X									

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/17/09 1145
Relinquished by:	Received by: WP	Date & Time: 6/17/09 14:40
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-16-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B247-0.5	906017-112	6-16-09	11:05	Soil	1		ICE	X						
B247-1.0	-113		11:05					X						
A246-0.5	-114		11:15					X						
A246-1.0	-115		11:15					X						
A246-2.5	-116		11:17					X						
A246-5.0	-117		11:20					X				X		
A746-0.5	-118		11:22					X						
A746-1.0	-119		11:22					X						
A746-2.5	-120		11:24					X						
B246-0.5	-121		11:33					X						
B246-1.0	-122		11:33					X						
B246-2.5	-123		11:36					X						
B246-5.0	-124		11:38					X						
A245-0.5	-125		11:50					X						
A245-1.0	-126		11:50					X				X		

Company Name: Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:	
Address: 41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001	
City/State/Zip: Temecula, CA 92591	Fax: 951-296-0534		

Relinquished by:	Received by:	Date & Time: 6/17/09 1645	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WT	Date & Time: 6/17/09 1740	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-16-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A245-2.5	0617-127	6-16-09	11:53	Soil	1		ICE	X						
A245-5.0	-128		11:55					X						
B245-0.5	-129		12:09					X						
B245-1.0	-130		12:09					X						
A244-0.5	-131		12:18					X						
A244-1.0	-132		12:18					X						
A244-2.5	-133		12:21					X				X		
A244-5.0	-134		12:23					X						
B244-0.5	-135		12:31					X						
B244-1.0	-136		12:31					X						
B244-2.5	-137		12:36					X						
B244-5.0	-138		12:38	↓				X						
E010	-139	WP	12:39	WATER				X						
A243-0.5	-140		12:50	Soil				X						
A243-1.0	-141	↓	12:50	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/17/09 1145	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/17/09 1440	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-16-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045							COMMENTS
								Analysis Required											Misc.
A243-2.5	9067-142	6.16.09	12:53	Soil	1		ICE	X											
A243-5.0	-143		12:55					X											
B243-0.5	-144		13:25					X											
B243-1.0	-145		13:25					X											
B243-2.5	-146		13:28					X											
B243-5.0	-147		13:30					X											
A242-0.5	-148		13:37					X											
A242-1.0	-149		13:37					X											
A242-2.5	-150		13:40					X											
B242-0.5	-151		13:48					X											
B242-1.0	-152		13:48					X											
B242-2.5	-153		13:51					X				X							
A241-0.5	-154		13:59					X											
A241-1.0	-155		13:59					X											
A241-2.5	-156		14:01					X											

Company Name:	Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:
Address:	41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001
City/State/Zip:	Temecula, CA 92591	Fax: 951-296-0534	

Relinquished by:	Received by:	Date & Time: 6/17/09 1645
Relinquished by:	Received by:	Date & Time: 6/17/09 1410
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06.16.09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A241-5.0	OP0617-157	6-16-09	14:04	Soil	1		ICE	X										
B241-0.5	-158		14:12					X										
B241-1.0	-159		14:12					X										
B241-2.5	-160		14:16					X				X						
B741-0.5	-161		14:19					X										
B741-1.0	-162		14:19					X										
B741-2.5	-163		14:22					X				X						
A240-0.5	-164		14:29					X										
A240-1.0	-165		14:29					X										
A240-2.5	-166		14:32					X										
B240-0.5	-167		14:39					X										
B240-1.0	-168		14:39					X				X						
B240-2.5	-169		14:42					X										
B240-5.0	-170	↓	14:45	↓	↓		↓	X										
								X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/17/09 1145
Relinquished by:	Received by: WP	Date & Time: 6/17/09 1240
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-16-09

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: June 24, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090618-111 through -175**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 18, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/18/09
SAMPLING DATE: 06/17/09 DATE ANALYZED: 06/18/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A239-0.5	090618-111	6.84
B239-1.0	090618-116	7.58
A237-5.0	090618-130	6.45
B236-1.0	090618-139	7.27
A233-2.5	090618-153	7.61
B233-1.0	090618-157	6.97
A232-2.5	090618-161	6.68
B232-2.5	090618-165	8.11
A231-1.0	090618-167	8.25
A731-1.0	090618-169	8.02

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: SOLID/SOIL

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/18/2009	090618-169	8.02	7.98	0.5%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/10/2009	090610-41	5952	5780	2.9%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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					0-20	80-120					
Ammonia as N	mg/Kg	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/11/2009	090609-15	200	26.8	0-20	80-120	206	90%	216	95%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/6/2009	090128-126	4.0	0.000	0-20	80-120	3.40	85%	3.52	88%	3.0%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/11/2009	090609-15	200	15.6	0-20	80-120	213	99%	211	98%	1.0%
Sulfide	mg/Kg			3.00		0-20	80-120					#VALUE!
TRPH	mg/Kg	4/22/2009	LCS1/2	667	0.0	0-20	80-120	583	87%	575	86%	1.2%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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: WP

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/18/09
SAMPLING DATE: 06/17/09 DATE ANALYZED: 06/19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A239-0.5	090618-111	18.6	1
A239-1.0	090618-112	13.1	1
A239-2.5	090618-113	9.24	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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
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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/18/09
SAMPLING DATE: 06/17/09 DATE ANALYZED: 06/19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A239-5.0	090618-114	8.39	1
B239-0.5	090618-115	13.7	1
B239-1.0	090618-116	7.32	1
B239-2.5	090618-117	6.85	1
B239-5.0	090618-118	8.39	1
A238-0.5	090618-119	10.6	1
A238-1.0	090618-120	14.6	1
A238-2.5	090618-121	12.7	1
A238-5.0	090618-122	6.57	1
B238-0.5	090618-123	17.8	1
B238-1.0	090618-124	7.65	1
B238-2.5	090618-125	15.2	1
B238-5.0	090618-126	9.41	1
A237-0.5	090618-127	42.2	1
A237-1.0	090618-128	10.5	1
A237-2.5	090618-129	12.5	1
A237-5.0	090618-130	11.1	1
A236-0.5	090618-131	16.9	1
A236-1.0	090618-132	12.7	1
A236-2.5	090618-133	6.13	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/18/09
SAMPLING DATE: 06/17/09 DATE ANALYZED: 06/22/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A236-5.0	090618-134	3.18	1
B236-0.5	090618-135	41.4	1
B236-1.0	090618-136	14.5	1
A235-0.5	090618-137	11.5	1
A235-1.0	090618-138	5.34	1
A235-2.5	090618-139	4.31	1
A235-5.0	090618-140	7.85	1
B235-0.5	090618-141	13.2	1
B235-1.0	090618-142	49.5	1
B235-2.5	090618-143	12.5	1
B235-5.0	090618-144	9.86	1
A234-0.5	090618-145	15.4	1
A234-1.0	090618-146	11.8	1
A234-2.5	090618-147	9.07	1
B234-0.5	090618-148	31.2	1
B234-1.0	090618-149	7.44	1
B234-2.5	090618-150	1.18	1
A233-0.5	090618-151	24.4	1
A233-1.0	090618-152	16.4	1
A233-2.5	090618-153	11.5	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/18/09
SAMPLING DATE: 06/17/09 DATE ANALYZED: 06/22/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A233-5.0	090618-154	18.8	1
B233-0.5	090618-156	22.6	1
B233-1.0	090618-157	40.6	1
B233-2.5	090618-158	23.9	1
A232-0.5	090618-159	44.5	1
A232-1.0	090618-160	15.2	1
A232-2.5	090618-161	9.93	1
A232-5.0	090618-162	26.5	1
B232-0.5	090618-163	16.0	1
B232-1.0	090618-164	10.9	1
B232-2.5	090618-165	4.40	1
A231-0.5	090618-166	64.7 *	1
A231-1.0	090618-167	6.17	1
A731-0.5	090618-168	13.5	1
A731-1.0	090618-169	13.4	1
B231-0.5	090618-170	3.51	1
B231-1.0	090618-171	4.20	1
B231-2.5	090618-172	1.33	1
A230-0.5	090618-173	6.96	1
A230-1.0	090618-174	4.52	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
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STLC Limit for lead = 5 PPM
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/18/09
SAMPLING DATE: 06/17/09 DATE ANALYZED: 06/22/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A230-2.5	090618-175	ND	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 — **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
Lead (Pb)	090618-64	1.00	107	PASS	4.19	50.0	52.4	96%	52.2	96%	0%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: CM

(P. 2 of 5)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 — **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
Lead (Pb)	090618-122	1.00	107	PASS	6.57	50.0	56.6	100%	56.5	100%	0%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: [illegible]

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/22/2009

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
Lead (Pb)	090618-134	1.00	101	PASS	3.18	50.0	50.7	95%	49.4	92%	3%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/22/2009

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
Lead (Pb)	090618-161	1.00	103	PASS	9.93	50.0	52.2	85%	53.2	87%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/22/2009 **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
Lead (Pb)	090618-175	1.00	102	*PASS*	*0*	50.0	49.7	99%	49.1	98%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	*PASS*	*0*	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
0	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:06/18/09
SAMPLING DATE:06/17/09 DATE ANALYZED:06/19/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/24/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E011	090618-155	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/19/2009 — **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
Copper (Cu)	090618-110	1.00	102	PASS	0	1.00	1.07	107%	1.07	107%	0%
Lead (Pb)	090618-110	1.00	109	PASS	0	1.00	1.11	111%	1.12	112%	1%
Zinc (Zn)	090618-110	1.00	108	PASS	0	1.00	1.15	115%	1.15	115%	0%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-32	0.00250	92.4	PASS	0	0.00250	0.00221	88%	0.00212	85%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	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

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/18/09
SAMPLING DATE: 06/17/09 DATE ANALYZED: 06/22-24/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A231-0.5	090618-166	1.28	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/24/2009 **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
Chromium (Cr)	090618-166	1.00	104	*PASS*	*0*	5.00	5.13	103%	5.22	104%	2%
Copper (Cu)	090618-166	1.00	102	*PASS*	*0.472*	5.00	6.14	113%	6.29	116%	3%
Lead (Pb)	090618-166	1.00	107	*PASS*	*1.28*	5.00	5.80	90%	5.73	89%	2%

ANALYSIS DATE: 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090618-46	0.0125	92.2	*PASS*	*0*	0.0125	0.0108	86%	0.0106	85%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A239 - 0.5	090618-111	6-17-09	9:07	Soil	1		ICE	X				X						
A239 - 1.0	-112		9:07					X										
A239 - 2.5	-113		9:10					X										
A239 - 5.0	-114		9:13					X										
B239 - 0.5	-115		9:22					X										
B239 - 1.0	-116		9:22					X				X						
B239 - 2.5	-117		9:27					X										
B239 - 5.0	-118		9:31					X										
A238 - 0.5	-119		9:43					X										
A238 - 1.0	-120		9:43					X										
A238 - 2.5	-121		9:45					X										
A238 - 5.0	-122		9:48					X										
B238 - 0.5	-123		10:02					X										
B238 - 1.0	-124		10:02					X										
B238 - 2.5	-125		10:04					X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/18/09 1103	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-17-09

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
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0 48 Hours
0 72 Hours
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B238-5.0	090618-126	6-17-09	10:07	Soil	1		ICE	X										
A237-0.5	-127		10:18					X										
A237-1.0	-128		10:18					X										
A237-2.5	-129		10:21					X										
A237-5.0	-130		10:23					X				X						
B2A236-0.5	-131		10:36					X										
A236-1.0	-132		10:36					X										
A236-2.5	-133		10:38					X										
A236-5.0	-134		10:41					X										
B236-0.5	-135		10:53					X										
B236-1.0	-136		10:53					X				X						
A235-0.5	-137		11:12					X										
A235-1.0	-138		11:12					X										
A235-2.5	-139		11:15					X										
A235-5.0	-140	↓	11:16	↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
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Sampler's Signature:
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Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
~~B~~235 - 0.5	090618-141	6-17-09	11:29	SOIL	1		ICE	X						
B235 - 1.0	-142		11:29					X						
B235 - 2.5	-143		11:32					X						
B235 - 5.0	-144		11:35					X						
A234 - 0.5	-145		11:42					X						
A234 - 1.0	-146		11:42					X						
A234 - 2.5	-147		11:48					X						
B234 - 0.5	-148		12:00					X						
B234 - 1.0	-149		12:00					X						
B234 - 2.5	-150		12:04					X						
A233 - 0.5	-151		12:16					X						
A233 - 1.0	-152		12:16					X						
A233 - 2.5	-153		12:18					X				X		
A233 - 5.0	-154		12:21	↓				X						
EQ11	-155	~~WATER~~	12:22	WATER	↓		↓	X						

Company Name: Leighton Consulting, Inc.
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Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/18/09 1103
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-17-09

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Turnaround Time
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0 24 Hours
0 48 Hours
0 72 Hours
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B233-0.5	90618-156	6-17-09	12:37	Soil	1		ICE	X										
B233-1.0	-157		12:37					X				X						
B233-2.5	-158		12:40					X										
A232-0.5	-159		12:52					X										
A232-1.0	-160		12:52					X										
A232-2.5	-161		12:54					X				X						
A232-5.0	-162		12:57					X										
B232-0.5	-163		13:09					X										
B232-1.0	-164		13:09					X										
B232-2.5	-165		13:13					X				X						
A231-0.5	-166		13:24					X										
A231-1.0	-167		13:24					X				X						
A731-0.5	-168		13:29					X										
A731-1.0	-169		13:29					X				X						
B231-0.5	-170		13:40					X										

Company Name: **Leighton Consulting, Inc.**
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City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/18/09 1103
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-17-09

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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
				Analysis Required										
B231-1.0	0906 18-171	6-17-09	13:40	Soil	1		ICE	X						
B231-2.5	-172	"	13:42	"	"		"	X						
A230-0.5	-173	"	13:53	"	"		"	X						
A230-1.0	-174	"	13:53	"	"		"	X						
A230-2.5	-175	"	13:56	"	"		"	X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/18/09 1103	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-17-09

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: June 24, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090619-17 through -93**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 19, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

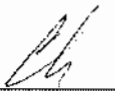
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/19/09
SAMPLING DATE: 06/18/09 DATE ANALYZED: 06/19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
B226-1.0	090619-25	6.85
A225-1.0	090619-28	8.19
B225-0.5	090619-31	7.10
A223-2.5	090619-41	7.95
A215-0.5	090619-54	7.63
A214-2.5	090619-64	7.50
A213-1.0	090619-67	7.45
B213-1.0	090619-71	7.26
B212-2.5	090619-81	7.05
A211-2.5	090619-85	7.11
B211-1.0	090619-87	7.05

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/19/2009	090619-87	7.05	7.06	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/18/2009	090618-187	2146	2128	0.8%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/19/2009	LCS1/2	200	0.0	0-20	80-120	163	82%	163	82%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/6/2009	090128-126	4.0	0.000	0-20	80-120	3.40	85%	3.52	88%	3.0%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/19/2009	090618-187	200	39.1	0-20	80-120	211	86%	213	87%	1.0%
Sulfide	mg/Kg			3.00		0-20	80-120					#VALUE!
TRPH	mg/Kg	6/19/2009	LCS1/2	667	0.0	0-20	80-120	567	85%	607	91%	6.0%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/19/09
SAMPLING DATE: 06/18/09 DATE ANALYZED: 06/23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B230-0.5	090619-17	16.2	1
B230-1.0	090619-18	1.99	1
B230-2.5	090619-19	1.06	1
B230-5.0	090619-20	ND	1
A229-0.5	090619-21	9.56	1
A229-1.0	090619-22	13.2	1
A229-2.5	090619-23	8.90	1
B226-0.5	090619-24	4.11	1
B226-1.0	090619-25	5.93	1
B226-2.5	090619-26	4.81	1
A225-0.5	090619-27	4.53	1
A225-1.0	090619-28	4.76	1
A225-2.5	090619-29	4.59	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/19/09
SAMPLING DATE: 06/18/09 DATE ANALYZED: 06/23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A225-5.0	090619-30	5.12	1
B225-0.5	090619-31	12.8	1
B225-1.0	090619-32	ND	1
A224-0.5	090619-33	4.99	1
A224-1.0	090619-34	ND	1
A224-2.5	090619-35	ND	1
B224-0.5	090619-36	3.22	1
B224-1.0	090619-37	ND	1
B224-2.0	090619-38	ND	1
A223-0.5	090619-39	4.61	1
A223-1.0	090619-40	4.03	1
A223-2.5	090619-41	ND	1
B223-0.5	090619-42	11.0	1
B223-1.0	090619-43	2.63	1
B223-2.5	090619-44	4.10	1
B223-5.0	090619-45	5.54	1
A222-0.5	090619-46	12.4	1
A222-1.0	090619-47	4.90	1
A222-2.5	090619-48	4.21	1
A222-5.0	090619-49	3.91	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/19/09
SAMPLING DATE: 06/18/09 DATE ANALYZED: 06/23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B216-0.5	090619-50	7.86	1
B216-1.0	090619-51	3.22	1
B216-2.5	090619-52	1.65	1
B216-5.0	090619-53	2.64	1
A215-0.5	090619-54	30.0	1
A215-1.0	090619-55	2.61	1
A215-2.5	090619-56	2.55	1
A215-5.0	090619-57	3.64	1
B215-0.5	090619-58	31.8	1
B215-1.0	090619-59	5.04	1
B215-2.5	090619-60	5.10	1
B215-5.0	090619-61	6.21	1
A214-0.5	090619-62	49.5	1
A214-1.0	090619-63	2.46	1
A214-2.5	090619-64	5.07	1
A214-5.0	090619-65	1.85	1
A213-0.5	090619-66	2.30	1
A213-1.0	090619-67	2.35	1
A213-2.5	090619-68	2.84	1
A213-5.0	090619-69	3.20	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/19/09
SAMPLING DATE: 06/18/09 DATE ANALYZED: 06/23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B213-0.5	090619-70	28.1	1
B213-1.0	090619-71	1.66	1
B213-2.5	090619-72	1.41	1
B213-5.0	090619-73	2.06	1
A212-0.5	090619-74	4.30	1
A212-1.0	090619-76	ND	1
A212-2.5	090619-77	0.596	1
A212-5.0	090619-78	2.28	1
B212-0.5	090619-79	19.1	1
B212-1.0	090619-80	2.33	1
B212-2.5	090619-81	1.80	1
B212-5.0	090619-82	1.97	1
A211-0.5	090619-83	25.9	1
A211-1.0	090619-84	2.46	1
A211-2.5	090619-85	3.64	1
B211-0.5	090619-86	13.6	1
B211-1.0	090619-87	1.99	1
B211-2.5	090619-88	2.04	1
B211-5.0	090619-89	2.04	1
A210-0.5	090619-90	3.45	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/19/09
SAMPLING DATE: 06/18/09 DATE ANALYZED: 06/23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/24/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A210-1.0	090619-91	3.10	1
A210-2.5	090619-92	4.19	1
A210-5.0	090619-93	4.09	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/23/2009 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
Lead (Pb)	090617-232	1.00	103	PASS	2.40	50.0	50.9	97%	51.1	97%	0%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	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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QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/23/2009

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
Lead (Pb)	090619-30	1.00	102	PASS	5.12	50.0	54.9	100%	55.3	100%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/23/2009 — **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
Lead (Pb)	090619-52	1.00	104	PASS	1.65	50.0	51.3	99%	50.3	97%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/23/2009 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
Lead (Pb)	090619-72	1.00	106	PASS	1.41	50.0	52.1	101%	52.9	103%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/23/2009 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
Lead (Pb)	090619-91	1.00	108	PASS	3.10	50.0	53.7	101%	53.5	101%	0%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:06/19/09
SAMPLING DATE:06/18/09 DATE ANALYZED:06/22/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/24/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E012	090619-75	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/22/2009 — **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
Copper (Cu)	090619-75	1.00	100	PASS	0	1.00	1.09	109%	1.11	111%	2%
Lead (Pb)	090619-75	1.00	109	PASS	0	1.00	1.16	116%	1.16	116%	0%
Zinc (Zn)	090619-75	1.00	107	PASS	0	1.00	1.12	112%	1.14	114%	2%

ANALYSIS DATE. : 6/19/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090618-50	0.00250	96.2	PASS	0	0.00250	0.00221	88%	0.00223	89%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B230 - 0.5	090619-17	6-18-09	9:01	Soil	1		ICE	X						
B230 - 1.0	-18		9:01			1pt		X						
B230 - 2.5	-19		9:06					X						
B230 - 5.0	-20		9:08					X						
A229 - 0.5	-21		9:17					X						
A229 - 1.0	-22		9:17					X						
A229 - 2.5	-23		9:20					X						
~~Duplicate~~	~~-24~~							~~X~~						
B226 - 0.5	-24		9:37					X						
B226 - 1.0	-25		9:37					X				X		
B226 - 2.5	-26		9:40					X						
A225 - 0.5	-27		9:59					X						
A225 - 1.0	-28		9:59					X				X		
A225 - 2.5	-29		10:01					X						
A225 - 5.0	-30	↓	10:03	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/19/09 0930
Relinquished by:	Received by:	Date & Time: 6/19/09 1:50
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-18-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B225-0.5	09061P-31	6-18-09	10:16	Soil	1		ICE	X				X						
B225-1.0	-32		10:16					X										
A224-0.5	-33		10:24					X										
A224-1.0	-34		10:24					X										
A224-2.5	-35		10:28					X										
B224-0.5	-36		10:36					X										
B224-1.0	-37		10:36					X										
B224-2.0	-38		10:37					X										
A223-0.5	-39		10:48					X										
A223-1.0	-40		10:48					X										
A223-2.5	-41		10:50					X				X						
B223-0.5	-42		11:01					X										
B223-1.0	-43		11:01					X										
B223-2.5	-44		11:04					X										
B223-5.0	-45		11:08					X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/19/09 0930
Relinquished by:	Received by:	Date & Time: 6/19/09 1:10
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-18-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A222 - 0.5	0906P-46	6-18-09	11:17	Soil	1		ICE	X										
A222 - 1.0	-47		11:17					X										
A222 - 2.5	-48		11:20					X										
A222 - 5.0	-49		11:22					X										
B216 - 0.5	-50		11:39					X										
B216 - 1.0	-51		11:39					X										
B216 - 2.5	-52		11:42					X										
B216 - 5.0	-53		11:44					X										
A215 - 0.5	-54		11:52					X				X						
A215 - 1.0	-55		11:52					X										
A215 - 2.5	-56		11:54					X										
A215 - 5.0	-57		11:58					X										
B215 - 0.5	-58		12:04					X										
B215 - 1.0	-59		12:04					X										
B215 - 2.5	-60	↓	12:07	↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/19/09 0930
Relinquished by:	Received by:	Date & Time: 6/19/09 11:20
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X O Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-18-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B215 - 5.0	706P-61	6-18-09	12:08	Soil	1		ICE	X						
A214 - 0.5	-62		12:21					X						
A214 - 1.0	-63		12:21					X						
A214 - 2.5	-64		12:24					X			X			
A214 - 5.0	-65		12:25					X						
A213 - 0.5	-66		12:41					X						
A213 - 1.0	-67		12:41					X			X			
A213 - 2.5	-68		12:44					X						
A213 - 5.0	-69		12:46					X						
B213 - 0.5	-70		13:06					X						
B213 - 1.0	-71		13:06					X			X			
B213 - 2.5	-72		13:08					X						
B213 - 5.0	-73		13:11					X						
A212 - 0.5	-74		13:18					X						
E012	-75		12:47	WATER				X						

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/19/09 0930
Relinquished by:	Received by:	Date & Time: 6/19/09 11:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
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CHAIN OF CUSTODY RECORD

Date: 06-18-09

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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A212-1.0	0906P-76	6-18-09	13:18	Soil	1		ICE	X										
A212-2.5	-77		13:21					X										
A212-5.0	-78		13:27					X										
B212-0.5	79		13:29					X										
B212-1.0	80		13:29					X										
B212-2.5	81		13:32					X			X							
B212-5.0	82		13:33					X										
A211-0.5	83		13:40					X										
A211-1.0	84		13:40					X										
A211-2.5	85		13:46					X			X							
B211-0.5	86		13:57					X										
B211-1.0	87		13:57					X			X							
B211-2.5	88		14:02					X										
B211-5.0	89		14:04					X										
A210-0.5	90	↓	14:13	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/19/09 0930
Relinquished by:	Received by:	Date & Time: 6/19/09 1700
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-18-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A210 - 1.0	90619-91	6-18-09	14:13	Soil	1		ICE	X										
A210 - 2.5	92	↓	14:15	↓	↓		↓	X										
A210 - 5.0	93	↓	14:17	↓	↓		↓	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name: **Leighton Consulting, Inc.**
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City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/19/09 08:30
Relinquished by:	Received by:	Date & Time: 6/19/09 11:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X O Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-18-09

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: June 29, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090623-59 through -137**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 23, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

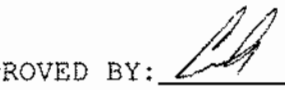
PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/23/09
SAMPLING DATE: 06/22/09 DATE ANALYZED: 06/23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/29/09

---

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
B202-1.0	090623-84	6.16
A199-1.0	090623-103	6.24
A195-1.0	090623-108	6.04
A192-1.0	090623-116	6.67

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: SOLID/SOIL

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/23/2009	090623-116	6.67	6.64	0.5%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/18/2009	090618-187	2146	2128	0.8%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/19/2009	LCS1/2	200	0.0	0-20	80-120	163	82%	163	82%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/6/2009	090128-126	4.0	0.000	0-20	80-120	3.40	85%	3.52	88%	3.0%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/19/2009	090618-187	200	39.1	0-20	80-120	211	86%	213	87%	1.0%
Sulfide	mg/Kg			3.00		0-20	80-120					#VALUE!
TRPH	mg/Kg	6/19/2009	LCS1/2	667	0.0	0-20	80-120	567	85%	607	91%	6.0%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/23/09
SAMPLING DATE: 06/22/09 DATE ANALYZED: 06/24/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A204-0.5	090623-59	108 *	1
A204-1.0	090623-60	2.40	1
A204-2.5	090623-61	1.49	1
A204-5.0	090623-62	2.80	1
B204-0.5	090623-63	29.3	1
B204-1.0	090623-64	3.06	1
B204-2.5	090623-65	3.47	1
B204-5.0	090623-66	3.18	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/23/09
SAMPLING DATE: 06/22/09 DATE ANALYZED: 06/24/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A203-0.5	090623-67	7.80	1
A203-1.0	090623-68	2.17	1
A203-2.5	090623-69	3.37	1
A203-5.0	090623-70	2.38	1
A703-0.5	090623-71	43.2	1
A703-1.0	090623-72	1.79	1
A703-2.5	090623-73	12.7	1
A703-5.0	090623-74	2.30	1
B203-0.5	090623-75	30.6	1
B203-1.0	090623-76	3.81	1
B203-2.5	090623-77	2.30	1
B203-5.0	090623-78	2.98	1
A202-0.5	090623-79	13.4	1
A202-1.0	090623-80	5.20	1
A202-2.5	090623-81	1.98	1
A202-5.0	090623-82	11.5	1
B202-0.5	090623-83	33.9	1
B202-1.0	090623-84	2.97	1
B202-2.5	090623-85	5.18	1
B202-5.0	090623-86	2.89	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
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TTLC = Total Threshold Limit Concentration
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/23/09
SAMPLING DATE: 06/22/09 DATE ANALYZED: 06/24/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A201-0.5	090623-87	4.70	1
A201-1.0	090623-88	1.94	1
A201-2.5	090623-89	3.50	1
A201-4.0	090623-90	3.47	1
B201-0.5	090623-91	8.93	1
B201-1.0	090623-92	1.38	1
B201-2.5	090623-93	16.2	1
B201-5.0	090623-94	3.24	1
A200-0.5	090623-95	9.10	1
A200-1.0	090623-96	2.70	1
A200-2.5	090623-97	1.25	1
A200-5.0	090623-98	4.66	1
B200-0.5	090623-99	45.7	1
B200-1.0	090623-100	6.09	1
B200-2.5	090623-101	3.17	1
A199-0.5	090623-102	10.4	1
A199-1.0	090623-103	ND	1
B196-0.5	090623-104	1.14	1
B196-1.0	090623-105	1.33	1
B196-2.5	090623-106	2.16	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/23/09
SAMPLING DATE: 06/22/09 DATE ANALYZED: 06/24/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A195-0.5	090623-107	7.45	1
A195-1.0	090623-108	1.65	1
A195-2.5	090623-109	4.49	1
A195-5.0	090623-110	2.64	1
B193-0.5	090623-111	11.8	1
B193-1.0	090623-112	3.14	1
B193-2.5	090623-113	4.40	1
B193-5.0	090623-114	3.65	1
A192-0.5	090623-115	40.0	1
A192-1.0	090623-116	0.524	1
A192-2.5	090623-117	1.62	1
A192-5.0	090623-118	1.49	1
B192-0.5	090623-120	11.4	1
B192-1.0	090623-121	4.50	1
B192-2.5	090623-122	7.35	1
B192-5.0	090623-123	3.82	1
A191-0.5	090623-124	106 *	1
A191-1.0	090623-125	3.30	1
A191-2.5	090623-126	4.64	1
B191-0.5	090623-127	18.2	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.

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LABORATORY REPORT

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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/23/09
SAMPLING DATE: 06/22/09 DATE ANALYZED: 06/24/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B191-1.0	090623-128	7.11	1
B191-2.5	090623-129	16.9	1
B191-5.0	090623-130	6.41	1
A190-0.5	090623-131	38.6	1
A190-1.0	090623-132	5.75	1
A190-2.5	090623-133	2.94	1
A190-4.0	090623-134	4.97	1
A690-0.5	090623-135	24.9	1
A690-1.0	090623-136	4.00	1
A690-2.5	090623-137	2.46	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/24/2009

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
Lead (Pb)	090623-51	1.00	103	PASS	3.72	50.0	51.2	95%	51.4	95%	0%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/24/2009 — **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
Lead (Pb)	090623-68	1.00	103	PASS	2.18	50.0	54.0	104%	56.4	108%	5%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/24/2009 — **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
Lead (Pb)	090623-87	1.00	103	PASS	4.70	50.0	51.8	94%	52.8	96%	2%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/24/2009 **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
Lead (Pb)	090623-108	1.00	103	PASS	1.65	50.0	49.4	96%	50.8	98%	3%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/24/2009

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
Lead (Pb)	090623-130	1.00	106	PASS	6.41	50.0	56.0	99%	55.7	99%	1%

ANALYSIS DATE. : 6/16/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090615-24	0.125	94.2	PASS	0	0.125	0.104	83%	0.109	87%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

Enviro – Chem, Inc.

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

LABORATORY REPORT

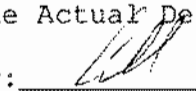
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:06/23/09
SAMPLING DATE:06/22/09 DATE ANALYZED:06/24/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:06/29/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E013	090623-119	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/24/2009 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
Copper (Cu)	090623-119	1.00	105	PASS	0	1.00	1.02	102%	1.02	102%	0%
Lead (Pb)	090623-119	1.00	113	PASS	0	1.00	1.11	111%	1.14	114%	3%
Zinc (Zn)	090623-119	1.00	110	PASS	0	1.00	1.14	114%	1.15	115%	1%

ANALYSIS DATE. : 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090619-98	0.00250	94.8	PASS	0	0.00250	0.00222	89%	0.00215	86%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/23/09
SAMPLING DATE: 06/22/09 DATE ANALYZED: 06/24-26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 06/29/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A204-0.5	090623-59	ND	1
A191-0.5	090623-124	3.79	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/26/2009 — **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
Chromium (Cr)	090623-59	1.00	106	PASS	0	5.00	5.04	101%	5.01	100%	1%
Copper (Cu)	090623-59	1.00	100	PASS	0.493	5.00	5.90	108%	5.84	107%	1%
Lead (Pb)	090623-59	1.00	112	PASS	0	5.00	4.94	99%	5.02	100%	2%

ANALYSIS DATE: 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090618-46	0.0125	92.2	PASS	0	0.0125	0.0108	86%	0.0106	85%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A204-0.5	0906Y3-59	6.22.09	9:11	Soil	1		ICE	X										
A204-1.0	-60		9:11					X										
A204-2.5	-61		9:14					X										
A204-5.0	-62		9:17					X										
B204-0.5	-63		9:20					X										
B204-1.0	-64		9:26					X										
B204-2.5	-65		9:29					X										
B204-5.0	-66		9:33					X										
A203-0.5	-67		9:42					X										
A203-1.0	-68		9:42					X										
A203-2.5	-69		9:44					X										
A203-5.0	-70		9:46					X										
A703-0.5	-71		9:48					X										
A703-1.0	-72		9:48					X										
A703-2.5	-73	↓	9:51	↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time:
		6/23/09 11:10
		6/23/09 14:00

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-22-09

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
- O Same Day
- O 24 Hours
- O 48 Hours
- O 72 Hours
- ~~O~~ 1 Week (Standard)
- Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A703-5.0	0906 23-74	6-22-09	9:54	Soil	1		ICE	X										
B203-0.5	-75		10:03					X										
B203-1.0	-76		10:03					X										
B203-2.5	-77		10:05					X										
B203-5.0	-78		10:08					X										
A202-0.5	-79		10:17					X										
A202-1.0	-80		10:17					X										
A202-2.5	-81		10:19					X										
A202-5.0	-82		10:21					X										
B202-0.5	-83		10:33					X										
B202-1.0	-84		10:33					X				X						
B202-2.5	-85		10:36					X										
B202-5.0	-86		10:38					X										
A201-0.5	-87		10:50					X										
A201-1.0	-88	↓	10:50	↓	↓		↓	X										

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:

Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/23/09 1400
Relinquished by:	Received by: WP	Date & Time: 6/23/09 1410
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X O Other Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-22-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045							Misc.	COMMENTS
								Analysis Required												
A201 - 2.5	1206X3-89	6-22-09	10:54	So.1	1	↓	ICE	X												
A201 - 4.0	-90	↓	10:57	↓	↓		↓	X												
B201 - 0.5	-91		11:08					X												
B201 - 1.0	-92		11:08					X												
B201 - 2.5	93		11:12					X												
B201 - 5.0	94		11:14					X												
A200 - 0.5	95		11:25					X												
A200 - 1.0	96		11:25					X												
A200 - 2.5	97		11:27					X												
A200 - 5.0	98		11:29					X												
B200 - 0.5	99		11:38					X												
B200 - 1.0	100		11:38					X												
B200 - 2.5	101		11:41					X												
A199 - 0.5	102		11:51					X												
A199 - 1.0	103	↓	11:51	↓	↓		↓	X				X								

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/23/09 1110
Relinquished by:	Received by:	Date & Time: 6/23 1045
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-22-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B196-0.5	0P0623-104	6-22-09	12:13	Soil	1		ICE	X						
B196-1.0	-105		12:13					X						
B196-2.5	-106		12:15					X						
A195-0.5	-107		12:25					X						
A195-1.0	-108		12:25					X			X			
A195-2.5	-109		12:27					X						
A195-5.0	-110		12:30					X						
B193-0.5	-111		12:50					X						
B193-1.0	-112		12:50					X						
B193-2.5	-113		12:52					X						
B193-5.0	-114		12:54					X						
A192-0.5	-115		13:02					X						
A192-1.0	-116		13:02					X			X			
A192-2.5	-117		13:04					X						
A192-5.0	-118	↓	13:07	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time:
		6/23/09 1110
Relinquished by:	Received by:	Date & Time: 6/23/09 1400
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-22-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
E013	09683-119	6-18-09	13:09	Water Bank	1		ICE	X										
B192-0.5	-120		13:18	Soil				X										
B192-1.0	-121		13:18					X										
B192-2.5	-122		13:22					X										
B192-5.0	-123		13:25					X										
A191-0.5	-124		13:34					X										
A191-1.0	-125		13:34					X										
A191-2.5	-126		13:40					X										
B191-0.5	-127		13:50					X										
B191-1.0	-128		13:50					X										
B191-2.5	-129		13:52					X										
B191-5.0	-130		13:56					X										
A190-0.5	-131		14:05					X										
A190-1.0	-132		14:05					X										
A190-2.5	-133	↓	14:08	↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/23/09 11:10
Relinquished by:	Received by:	Date & Time: 6/23/09 14:10
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X O Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-22-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A190-4.0	0906053-134	6-22-09	14:11	Soil	1		ICE	X						
A690-0.5	-135		14:15					X						
A690-1.0	-136		14:15					X						
A690-2.5	-137		14:18					X						
~~A690-4.0~~	~~-138~~							X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/23/09	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/23/09 1400	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-22-09

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: July 1, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090624-138 through -201**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 24, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/24/09
SAMPLING DATE:06/23/09 DATE ANALYZED:06/24/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/01/09

---

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A189-0.5	090624-142	6.53
B189-1.0	090624-147	7.66
A188-2.5	090624-152	7.72
A187-0.5	090624-156	7.36
A186-1.0	090624-164	7.32
A185-5.0	090624-173	7.23
B185-5.0	090624-177	7.02
B685-5.0	090624-181	6.95
A184-1.0	090624-184	7.15
A183-1.0	090624-192	7.26
B183-2.5	090624-196	7.07

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/29/2009	090624-196	7.07	7.09	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/18/2009	090618-187	2146	2128	0.8%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/19/2009	LCS1/2	200	0.0	0-20	80-120	163	82%	163	82%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/19/2009	090618-187	200	39.1	0-20	80-120	211	86%	213	87%	1.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	6/19/2009	LCS1/2	667	0.0	0-20	80-120	567	85%	607	91%	6.0%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/24/09
SAMPLING DATE: 06/23/09 DATE ANALYZED: 06/25/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/01/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B190-0.5	090624-138	23.7	1
B190-1.0	090624-139	ND	1
B190-2.5	090624-140	2.17	1
B190-5.0	090624-141	1.16	1
A189-0.5	090624-142	32.2	1
A189-1.0	090624-143	3.90	1
A189-2.5	090624-144	1.94	1
A189-5.0	090624-145	2.89	1
B189-0.5	090624-146	52.9 *	1
B189-1.0	090624-147	1.53	1
B189-2.5	090624-148	1.08	1
B189-5.0	090624-149	2.90	1
A188-0.5	090624-150	3.83	1
A188-1.0	090624-151	1.64	1
A188-2.5	090624-152	2.71	1
A188-5.0	090624-153	1.20	1
B188-0.5	090624-154	0.835	1
B188-1.0	090624-155	1.43	1
A187-0.5	090624-156	29.8	1
A187-1.0	090624-157	0.888	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/24/09
SAMPLING DATE: 06/23/09 DATE ANALYZED: 06/25/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/01/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A187-2.5	090624-158	0.971	1
B187-0.5	090624-159	28.7	1
B187-1.0	090624-160	1.67	1
B187-2.5	090624-161	3.00	1
B187-5.0	090624-162	1.36	1
A186-0.5	090624-163	40.6	1
A186-1.0	090624-164	1.70	1
A186-2.5	090624-165	1.75	1
B186-0.5	090624-166	40.1	1
B186-1.0	090624-167	1.76	1
B186-2.5	090624-168	2.10	1
B186-5.0	090624-169	2.84	1
A185-0.5	090624-170	5.48	1
A185-1.0	090624-171	2.21	1
A185-2.5	090624-172	0.837	1
A185-5.0	090624-173	1.16	1
B185-0.5	090624-174	95.1 *	1
B185-1.0	090624-175	1.71	1
B185-2.5	090624-176	1.79	1
B185-5.0	090624-177	2.22	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
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Data Reviewed and Approved by: _____
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/24/09
SAMPLING DATE: 06/23/09 DATE ANALYZED: 06/25/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/01/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B685-0.5	090624-178	39.9	1
B685-1.0	090624-179	1.71	1
B685-2.5	090624-180	1.39	1
B685-5.0	090624-181	1.73	1
A184-0.5	090624-183	22.8	1
A184-1.0	090624-184	2.03	1
A184-2.5	090624-185	1.40	1
A184-5.0	090624-186	0.820	1
B184-0.5	090624-187	44.9	1
B184-1.0	090624-188	1.62	1
B184-2.5	090624-189	2.17	1
B184-5.0	090624-190	1.16	1
A183-0.5	090624-191	36.7	1
A183-1.0	090624-192	1.65	1
A183-2.5	090624-193	1.15	1
B183-0.5	090624-194	78.3 *	1
B183-1.0	090624-195	1.94	1
B183-2.5	090624-196	2.02	1
B183-5.0	090624-197	2.41	1
A182-0.5	090624-198	3.85	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/24/09
SAMPLING DATE: 06/23/09 DATE ANALYZED: 06/25/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/01/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A182-1.0	090624-199	1.89	1
A182-2.5	090624-200	2.19	1
A182-5.0	090624-201	1.55	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/25/2009 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
Lead (Pb)	090624-139	1.00	98	PASS	0	50.0	50.5	101%	49.5	99%	2%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/25/2009 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
Lead (Pb)	090624-158	1.00	103	PASS	0.971	50.0	50.8	100%	50.3	99%	1%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/25/2009 **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
Lead (Pb)	090624-180	1.00	100	PASS	1.39	50.0	47.9	93%	48.0	93%	0%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/25/2009 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
Lead (Pb)	090624-201	1.00	105	PASS	1.55	50.0	51.2	99%	52.4	102%	2%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:06/24/09
SAMPLING DATE:06/23/09 DATE ANALYZED:06/25/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/01/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E014	090624-182	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/25/2009 **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
Lead (Pb)	090624-182	1.00	107	PASS	0	1.00	1.09	109%	1.08	108%	1%

ANALYSIS DATE. : 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090619-98	0.00250	94.8	PASS	0	0.00250	0.00222	89%	0.00215	86%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/24/09
SAMPLING DATE: 06/23/09 DATE ANALYZED: 06/27-29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/01/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B189-0.5	090624-146	3.45	1
B185-0.5	090624-174	3.44	1
B183-0.5	090624-194	1.35	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/29/2009

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
Lead (Pb)	090624-194	1.00	112	PASS	1.35	5.00	6.11	95%	6.20	97%	2%

ANALYSIS DATE: 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090618-46	0.0125	92.2	PASS	0	0.0125	0.0108	86%	0.0106	85%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B190 - 0.5	0906A-138	6-23-09	9:04	Soil	1		ICE	X											
B190 - 1.0	-139		9:04					X											
B190 - 2.5	-140		9:10					X											
B190 - 5.0	-141		9:13					X											
A189 - 0.5	-142		9:20					X				X							
A189 - 1.0	-143		9:20					X											
A189 - 2.5	-144		9:23					X											
A189 - 5.0	-145		9:25					X											
B189 - 0.5	-146		9:33					X											
B189 - 1.0	-147		9:33					X				X							
B189 - 2.5	-148		9:35					X											
B189 - 5.0	-149		9:38					X											
A188 - 0.5	-150		10:14					X											
A188 - 1.0	-151		10:14					X											
A188 - 2.5	-152	↓	10:18	↓	↓		↓	X				X							

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/24/09 1200	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/24/09 1420	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-23-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
A188 - 5.0	0P0674-153	6-23-09	10:20	Soil	1		ICE	X											
B188 - 0.5	-154		10:28					X											
B188 - 1.0	-155		10:28					X											
A187 - 0.5	-156		10:41					X				X							
A187 - 1.0	-157		10:41					X											
A187 - 2.5	-158		10:49					X											
B187 - 0.5	-159		10:52					X											
B187 - 1.0	-160		10:52					X											
B187 - 2.5	-161		10:56					X											
B187 - 5.0	-162		10:59					X											
~~B187~~ - A186-0.5	-163		11:11					X											
A186 - 1.0	-164		11:11					X				X							
A186 - 2.5	-165		11:24					X											
B186 - 0.5	-166		11:35					X											
B186 - 1.0	-167	↓	11:35	↓	↓		↓	X											

Company Name: Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:	
Address: 41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001	
City/State/Zip: Temecula, CA 92591	Fax: 951-296-0534		

Relinquished by:	Received by:	Date & Time: 6/24/09 1200	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/24/09 14:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-23-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B186-2.5	09-06424-168	6-23-09	11:38	Soil	1		ICE	X											
B186-5.0	-169		11:40					X											
A185-0.5	-170		11:55					X											
A185-1.0	-171		11:55					X											
A185-2.5	-172		11:58					X											
A185-5.0	-173		12:00					X				X							
B185-0.5	-174		12:08					X											
B185-1.0	-175		12:08					X											
B185-2.5	-176		12:12					X											
B185-5.0	-177		12:15					X				X							
B685-0.5	-178		12:18					X											
B685-1.0	-179		12:18					X											
B685-2.5	-180		12:22					X											
B685-5.0	-181		12:25					X				X							
E014	-182	↓	12:26	water	↓		↓	X											

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:** **Kristin Stout**	**Sampler's Signature:**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:** **951-252-8927**	**Project Name/ID:** **I-15 CIP ADL Survey / 603008001**
City/State/Zip:	**Temecula, CA 92591**	**Fax:** **951-296-0534**	

Relinquished by:	Received by:	Date & Time: 6/24/09 1200	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/24/09 1400	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-23-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A184-0.5	0906Y4-183	6-23-09	12:36	Soil	1		ICE	X						
A184-1.0	-184		12:36					X				X		
A184-2.5	-185		12:35					X						
A184-5.0	-86		12:41					X						
B184-0.5	-187		12:52					X						
B184-1.0	-188		12:52					X						
B184-2.5	-189		12:56					X						
B184-5.0	-190		12:58					X						
A183-0.5	-191		13:15					X						
A183-1.0	-192		13:15					X				X		
A183-2.5	-193		13:20					X						
B183-0.5	-194		13:34					X						
B183-1.0	-195		13:34					X						
B183-2.5	-196		13:37					X				X		
B183-5.0	-197	↓	13:39	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/24/09 1200
Relinquished by:	Received by: WP	Date & Time: 6/24/09 14:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-23-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A182-0.5	0906A-1P8	6-23-09	13:50	Soil	1		ICE	X						
A182-1.0	-1P		13:50					X						
A182-2.5	-2W		13:53					X						
A182-5.0	-2W1		13:56					X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						
								X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time:
		6/24/09 1200
Relinquished by:	Received by:	Date & Time: 6/24/09 1400
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-23-09

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: July 2, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090625-112 through -196**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 25, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

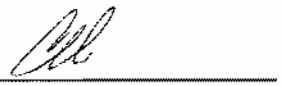
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/25/09
SAMPLING DATE: 06/24/09 DATE ANALYZED: 06/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/02/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A177-0.5	090625-132	7.14
A146-2.5	090625-146	7.48
B139-0.5	090625-148	6.51
A138-5.0	090625-155	7.98
B128-5.0	090625-159	8.35
B628-5.0	090625-163	8.51
B127-2.5	090625-170	8.22
B126-1.0	090625-178	7.84
B626-1.0	090625-182	7.89
A124-5.0	090625-196	8.38

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/26/2009	090625-196	8.38	8.40	0.2%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/18/2009	090618-187	2146	2128	0.8%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/19/2009	LCS1/2	200	0.0	0-20	80-120	163	82%	163	82%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/19/2009	090618-187	200	39.1	0-20	80-120	211	86%	213	87%	1.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	6/19/2009	LCS1/2	667	0.0	0-20	80-120	567	85%	607	91%	6.0%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/25/09
SAMPLING DATE: 06/24/09 DATE ANALYZED: 06/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/02/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A179-0.5	090625-112	12.1	1
A179-1.0	090625-113	1.96	1
A179-2.5	090625-114	1.77	1
A179-5.0	090625-115	1.10	1
B179-0.5	090625-116	2.69	1
B179-1.0	090625-117	1.40	1
B179-2.5	090625-118	1.52	1
B179-5.0	090625-119	4.66	1
A178-0.5	090625-120	40.4	1
A178-1.0	090625-121	1.07	1
A178-2.5	090625-122	2.15	1
A178-5.0	090625-123	1.57	1
A678-0.5	090625-124	35.1	1
A678-1.0	090625-125	0.844	1
A678-2.5	090625-126	1.14	1
A678-5.0	090625-127	0.730	1
B178-0.5	090625-128	42.9	1
B178-1.0	090625-129	1.79	1
B178-2.5	090625-130	1.45	1
B178-5.0	090625-131	2.90	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/25/09
SAMPLING DATE:06/24/09 DATE ANALYZED:06/26/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/02/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A177-0.5	090625-132	28.1	1
A177-1.0	090625-133	2.12	1
A177-2.5	090625-134	0.652	1
A177-5.0	090625-135	1.18	1
A155-0.5	090625-136	9.34	1
A155-1.0	090625-137	8.61	1
A155-2.5	090625-138	5.62	1
A155-5.0	090625-139	5.23	1
B147-0.5	090625-140	2.84	1
B147-1.0	090625-141	2.93	1
B147-2.5	090625-142	2.17	1
B147-5.0	090625-143	3.60	1
A146-0.5	090625-144	71.0 *	1
A146-1.0	090625-145	3.85	1
A146-2.5	090625-146	4.05	1
A146-5.0	090625-147	34.3	1
B139-0.5	090625-148	59.2 *	1
B139-1.0	090625-149	4.99	1
B139-2.5	090625-150	6.33	1
B139-5.0	090625-151	4.63	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/25/09
SAMPLING DATE:06/24/09 DATE ANALYZED:06/26/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/02/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A138-0.5	090625-152	10.9	1
A138-1.0	090625-153	2.59	1
A138-2.5	090625-154	4.12	1
A138-5.0	090625-155	2.84	1
B128-0.5	090625-156	49.6	1
B128-1.0	090625-157	3.50	1
B128-2.5	090625-158	1.15	1
B128-5.0	090625-159	0.895	1
B628-0.5	090625-160	6.73	1
B628-1.0	090625-161	2.92	1
B628-2.5	090625-162	2.36	1
B628-5.0	090625-163	0.799	1
A127-0.5	090625-164	12.3	1
A127-1.0	090625-165	1.18	1
A127-2.5	090625-166	1.21	1
A127-5.0	090625-167	ND	1
B127-0.5	090625-168	36.8	1
B127-1.0	090625-169	0.930	1
B127-2.5	090625-170	1.09	1
B127-5.0	090625-171	5.77	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/25/09
SAMPLING DATE:06/24/09 DATE ANALYZED:06/26/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/02/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A126-0.5	090625-172	7.62	1
A126-1.0	090625-173	6.44	1
A126-2.5	090625-174	6.66	1
A126-5.0	090625-175	14.3	1
B126-0.5	090625-177	18.2	1
B126-1.0	090625-178	5.53	1
B126-2.5	090625-179	6.45	1
B126-5.0	090625-180	8.62	1
B626-0.5	090625-181	16.6	1
B626-1.0	090625-182	7.38	1
B626-2.5	090625-183	7.51	1
B626-5.0	090625-184	6.72	1
A125-0.5	090625-185	9.69	1
A125-1.0	090625-186	9.50	1
A125-2.5	090625-187	5.98	1
A125-5.0	090625-188	6.03	1
B125-0.5	090625-189	16.9	1
B125-1.0	090625-190	6.74	1
B125-2.5	090625-191	7.54	1
B125-5.0	090625-192	7.45	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/25/09
SAMPLING DATE: 06/24/09 DATE ANALYZED: 06/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/02/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A124-0.5	090625-193	6.96	1
A124-1.0	090625-194	9.32	1
A124-2.5	090625-195	8.42	1
A124-5.0	090625-196	7.53	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/29/2009 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
Lead (Pb)	090625-115	1.00	102	PASS	1.10	50.0	45.0	88%	46.6	91%	4%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: D

FINAL REVIEWER: CR

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/29/2009 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
Lead (Pb)	090625-134	1.00	107	PASS	0.652	50.0	50.1	99%	50.0	99%	0%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/29/2009

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
Lead (Pb)	090625-159	1.00	106	PASS	0.895	50.0	49.6	97%	48.2	95%	3%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: CR

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/29/2009

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
Lead (Pb)	090625-173	1.00	108	PASS	6.44	50.0	58.9	105%	60.3	108%	3%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/29/2009 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
Lead (Pb)	090625-193	1.00	107	PASS	6.96	50.0	54.1	94%	54.5	95%	1%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

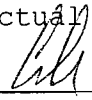
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:06/25/09
SAMPLING DATE:06/24/09 DATE ANALYZED:06/25/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/02/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E015	090625-176	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/26/2009 — **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
Lead (Pb)	090625-176	1.00	108	PASS	0	1.00	1.10	110%	1.10	110%	0%

ANALYSIS DATE. : 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090619-98	0.00250	94.8	PASS	0	0.00250	0.00222	89%	0.00215	86%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

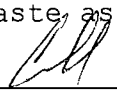
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/25/09
SAMPLING DATE: 06/24/09 DATE ANALYZED: 06/29-07/01/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/02/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A146-0.5	090625-144	3.43	1
B139-0.5	090625-148	2.91	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/1/2009 — **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
Copper (Cu)	090625-144	1.00	103	*PASS*	*0.456*	5.00	5.78	106%	5.74	106%	1%
Zinc (Zn)	090625-144	1.00	104	*PASS*	*3.43*	5.00	8.03	92%	8.01	92%	0%
Lead (Pb)	090625-144	1.00	104	*PASS*	*2.18*	5.00	7.74	111%	7.76	112%	0%

ANALYSIS DATE: 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090618-46	0.0125	92.2	*PASS*	*0*	0.0125	0.0108	86%	0.0106	85%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Zinc (Zn)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
A179-0.5	90621-112	6-24-09	9:01	Soil	1		ICE	X											
A179-1.0	-113		9:01					X											
A179-2.5	-114		9:04					X											
A179-5.0	-115		9:07					X											
B179-0.5	-116		9:17					X											
B179-1.0	-117		9:17					X											
B179-2.5	-118		9:20					X											
B179-5.0	-119		9:23					X											
A178-0.5	-120		9:31					X											
A178-1.0	-121		9:31					X											
A178-2.5	-122		9:34					X											
A178-5.0	-123		9:36					X											
A678-0.5	-124		9:39					X											
A678-1.0	-125		9:39					X											
A678-2.5	-126	↓	9:42	↓	↓		↓	X											

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/25/09 12:-	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/25/09 16:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-24-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A678-5.0	966-127	6-24-09	9:44	Soil	1		Ice	X										
B178-0.5	-128		9:53					X										
B178-1.0	-129		9:53					X										
B178-2.5	-130		9:56					X										
B178-5.0	-131		9:59					X										
A177-0.5	-132		10:13					X				X						
A177-1.0	-133		10:13					X										
A177-2.5	-134		10:16					X										
A177-5.0	-135		10:18					X										
A155-0.5	-136		10:41					X										
A155-1.0	-137		10:41					X										
A155-2.5	-138		10:44					X										
A155-5.0	-139		10:46					X										
B147-0.5	-140		10:58					X										
B147-1.0	-141		10:58					X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/25/09 1215
Relinquished by:	Received by:	Date & Time: 6/25/09 16:20
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-24-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B147-2.5	0961-142	6-24-09	11:01	Soil	1		ICE	X						
B147-5.0	-143		11:03					X						
A146-0.5	-144		11:14					X						
A146-1.0	-145		11:14					X						
A146-2.5	-146		11:16					X			X			
A146-5.0	-147		11:18					X						
B139-0.5	-148		11:33					X			X			
B139-1.0	-149		11:33					X						
B139-2.5	-150		11:36					X						
B139-5.0	-151		11:39					X						
A138-0.5	-152		11:48					X						
A138-1.0	-153		11:48					X						
A138-2.5	-154		11:51					X						
A138-5.0	-155		11:53					X			X			
B128-0.5	-156	↓	12:08	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time:
		6/25/09 1215
Relinquished by:	Received by:	Date & Time:
		6/25/09 1615
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-24-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B128 - 1.0	0906025-147	6-24-09	12:08	Soil	1		ICE	X						
B128 - 2.5	-148		12:11					X						
B128 - 5.0	-149		12:13					X				X		
B628 - 0.5	-150		12:19					X						
B628 - 1.0	-151		12:19					X						
B628 - 2.5	-152		12:22					X						
B628 - 5.0	-153		12:23					X				X		
A127 - 0.5	-154		12:37					X						
A127 - 1.0	-155		12:37					X						
A127 - 2.5	-156		12:40					X						
A127 - 5.0	-157		12:43					X						
B127 - 0.5	-158		12:52					X						
B127 - 1.0	-159		12:52					X						
B127 - 2.5	-170		12:55					X				X		
B127 - 5.0	-171	↓	12:58	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/25/09 9215
Relinquished by:	Received by:	Date & Time: 6/25/09 1650
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 6-24-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
A126-0.5	0605-172	6-24-09	13:07	Soil	1		ICE	X											
A126-1.0	-173		13:07					X											
A126-2.5	-174		13:09					X											
A126-5.0	-175		13:12					X											
E015	-176		13:13	WATER				X											
B126-0.5	-177		13:24	Soil				X											
B126-1.0	-178		13:24					X				X							
B126-2.5	-179		13:27					X											
B126-5.0	-180		13:29					X											
B626-0.5	-181		13:32					X											
B626-1.0	-182		13:32					X				X							
B626-2.5	-183		13:34					X											
B626-5.0	-184		13:37					X											
A125-0.5	-185		13:48					X											
A125-1.0	-186	↓	13:48	↓	↓		↓	X											

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: latest 06/25/09 1265	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/25/09 1800	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-24-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A125 - 2.5	187	6-24-09	13:51	Soil	1		ICE	X						
A125 - 5.0	188		13:52					X						
B125 - 0.5	189		14:03					X						
B125 - 1.0	190		14:03					X						
B125 - 2.5	191		14:05					X						
B125 - 5.0	192		14:08					X						
A124 - 0.5	193		14:16					X						
A124 - 1.0	194		14:16					X						
A124 - 2.5	195		14:19					X						
A124 - 5.0	196		14:22					X			X			
								X						
								X						
								X						
								X						
								X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	6/25/09 Date & Time: 1215	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	6/25/09 Date & Time: 16:06	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-24-09

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: July 7, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090626-46 through -125**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 26, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/26/09
SAMPLING DATE: 06/25/09 DATE ANALYZED: 06/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/07/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
B124-5.0	090626-49	8.74
A115-1.0	090626-70	8.54
A114-2.5	090626-75	8.78
A112-1.0	090626-82	8.14
A111-1.0	090626-84	8.11
A110-2.5	090626-89	7.15
A109-5.0	090626-93	8.29
A108.0.5	090626-94	8.14
A100-1.0	090626-112	8.27

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	6/8/2009	090608-7	13.3	13.7	3.0%	0-20
pH	pH units	6/26/2009	090626-37	7.76	7.79	0.4%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	6/18/2009	090618-187	2146	2128	0.8%	0-20
% SOLID	%	2/13/2009	090213-33	15.30	15.32	0.1%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	6/19/2009	LCS1/2	200	0.0	0-20	80-120	163	82%	163	82%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	6/5/2009	090601-12	10.0	0.000	0-20	80-120	8.6	86%	8.54	85%	0.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	6/19/2009	090618-187	200	39.1	0-20	80-120	211	86%	213	87%	1.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	6/19/2009	LCS1/2	667	0.0	0-20	80-120	567	85%	607	91%	6.0%
Sulfide, Reactive	mg/Kg	6/11/2009	090109-17	3.0	0.0	0-20	80-120	2.51	84%	2.60	87%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/26/09
SAMPLING DATE: 06/25/09 DATE ANALYZED: 06/29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/07/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B124-0.5	090626-46	137 *	1
B124-1.0	090626-47	10.3	1
B124-2.5	090626-48	9.93	1
B124-5.0	090626-49	8.45	1
A123-0.5	090626-50	12.8	1
A123-1.0	090626-51	3.84	1
A123-2.5	090626-52	5.97	1
A123-5.0	090626-53	9.59	1
A119-0.5	090626-54	47.7	1
A119-1.0	090626-55	5.20	1
A119-2.5	090626-56	8.26	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/26/09
SAMPLING DATE:06/25/09 DATE ANALYZED:06/30/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/07/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A119-5.0	090626-57	5.90	1
A118-0.5	090626-58	95.4 *	1
A118-1.0	090626-59	3.35	1
A118-2.5	090626-60	29.8	1
A118-5.0	090626-61	3.33	1
A117-0.5	090626-62	31.7	1
A117-1.0	090626-63	2.83	1
A117-2.5	090626-64	1.18	1
A116-0.5	090626-65	6.29	1
A116-1.0	090626-66	5.83	1
A116-2.5	090626-67	2.40	1
A116-5.0	090626-68	9.69	1
A115-0.5	090626-69	9.29	1
A115-1.0	090626-70	3.97	1
A115-2.5	090626-71	32.2	1
A115-5.0	090626-72	7.96	1
A114-0.5	090626-73	73.8 *	1
A114-1.0	090626-74	6.73	1
A114-2.5	090626-75	4.60	1
A114-5.0	090626-76	8.89	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
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STLC Limit for lead = 5 PPM
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/26/09
SAMPLING DATE: 06/25/09 DATE ANALYZED: 06/30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/07/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A113-0.5	090626-77	43.2	1
A113-1.0	090626-78	3.07	1
A113-2.5	090626-79	1.29	1
A113-4.0	090626-80	4.54	1
A112-0.5	090626-81	32.2	1
A112-1.0	090626-82	5.85	1
A111-0.5	090626-83	2.26	1
A111-1.0	090626-84	2.16	1
A111-2.5	090626-85	1.95	1
A111-5.0	090626-86	1.89	1
A110-0.5	090626-87	19.2	1
A110-1.0	090626-88	11.3	1
A110-2.5	090626-89	0.730	1
A109-0.5	090626-90	7.58	1
A109-1.0	090626-91	16.7	1
A109-2.5	090626-92	7.83	1
A109-5.0	090626-93	1.90	1
A108-0.5	090626-94	10.2	1
A108-1.0	090626-95	8.56	1
A108-2.5	090626-96	8.74	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/26/09
SAMPLING DATE: 06/25/09 DATE ANALYZED: 06/30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/07/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A108-5.0	090626-97	6.68	1
A107-0.5	090626-99	12.5	1
A107-1.0	090626-100	2.53	1
A107-2.5	090626-101	5.09	1
A107-5.0	090626-102	3.47	1
A607-0.5	090626-103	9.77	1
A607-1.0	090626-104	3.53	1
A607-2.5	090626-105	2.41	1
A607-5.0	090626-106	1.68	1
A106-0.5	090626-107	12.6	1
A106-1.0	090626-108	7.05	1
A106-2.5	090626-109	1.79	1
A106-5.0	090626-110	8.32	1
A100-0.5	090626-111	ND	1
A100-1.0	090626-112	3.75	1
A100-2.5	090626-113	ND	1
A100-5.0	090626-114	ND	1
B100-0.5	090626-115	1.23	1
B100-1.0	090626-116	4.01	1
B100-2.5	090626-117	5.70	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/26/09
SAMPLING DATE: 06/25/09 DATE ANALYZED: 06/30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/07/09

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 5
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A099-0.5	090626-118	7.25	1
A099-1.0	090626-119	ND	1
A099-2.5	090626-120	6.89	1
A099-5.0	090626-121	16.6	1
A599-0.5	090626-122	8.46	1
A599-1.0	090626-123	ND	1
A599-2.5	090626-124	10.3	1
A599-5.0	090626-125	9.55	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/30/2009

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
Lead (Pb)	090626-59	1.00	106	PASS	3.35	50.0	54.5	102%	55.6	105%	2%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/30/2009 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
Lead (Pb)	090626-78	1.00	103	PASS	3.07	50.0	53.7	101%	51.5	97%	4%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/30/2009

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
Lead (Pb)	090626-97	1.00	104	PASS	6.68	50.0	54.6	96%	54.8	96%	0%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/30/2009 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
Lead (Pb)	090626-119	1.00	103	PASS	0	50.0	48.8	98%	47.8	96%	2%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	PASS	0	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/29/2009 — **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
Lead (Pb)	090626-35	1.00	104	*PASS*	*0.968*	50.0	52.5	103%	51.7	101%	2%

ANALYSIS DATE. : 6/25/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090625-LCS	0.125	93.9	*PASS*	*0*	0.125	0.108	86%	0.112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
0	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: WATER DATE RECEIVED: 06/26/09
SAMPLING DATE: 06/25/09 DATE ANALYZED: 06/29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/07/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E016	090626-98	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/29/2009 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
Copper (Cu)	090626-98	1.00	99	PASS	0.033	1.00	1.06	103%	1.06	103%	0%
Lead (Pb)	090626-98	1.00	107	PASS	0	1.00	1.09	109%	1.09	109%	0%
Zinc (Zn)	090626-98	1.00	105	PASS	0	1.00	1.06	106%	1.06	106%	0%

ANALYSIS DATE. : 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090619-98	0.00250	94.8	PASS	0	0.00250	0.00222	89%	0.00215	86%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/26/09
SAMPLING DATE:06/25/09 DATE ANALYZED:06/30-07/02/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/07/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B124-0.5	090626-46	6.29 ***	1
A118-0.5	090626-58	5.83 ***	1
A114-0.5	090626-73	1.43	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/2/2009 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
Barium (Ba)	090622-6	1.00	102	PASS	1.29	5.00	5.80	90%	5.84	91%	1%
Chromium (Cr)	090622-6	1.00	101	PASS	1.31	5.00	5.90	92%	6.01	94%	2%
Lead (Pb)	090622-6	1.00	102	PASS	0	5.00	4.98	100%	5.01	100%	1%

ANALYSIS DATE: 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090618-46	0.0125	92.2	PASS	0	0.0125	0.0108	86%	0.0106	85%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Barium (Ba)	PASS	PASS	PASS	PASS
Chromium (Cr)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

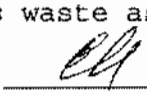
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/26/09
SAMPLING DATE: 06/25/09 DATE ANALYZED: 07/03-06/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/07/09

EPA 6010B FOR STLC DI-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC DI-LEAD RESULT	DF
B124-0.5	090626-46	ND	1
A118-0.5	090626-58	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC (DI WATER)

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/6/2009 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
Lead (Pb)	090630-36	1.00	113	*PASS*	*1.43*	5.00	6.19	95%	6.14	94%	1%

ANALYSIS DATE: 6/22/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090618-46	0.0125	92.2	*PASS*	*0*	0.0125	0.0108	86%	0.0106	85%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	*PASS*	*PASS*	*PASS*	*PASS*
0	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/26/09
SAMPLING DATE: 06/25/09 DATE ANALYZED: 07/05-06/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/07/09

TCLP-LEAD ANALYSIS
(PER 40 CFR 261.24)/LIMIT @ 5.0
CONCENTRATION UNIT: MG/L IN LEACHATE

SAMPLE I.D.	LAB I.D.	TCLP-LEAD RESULT	DF
B124-0.5	090626-46	0.038	1
A118-0.5	090626-58	0.025	1
Method Blank	---	ND	1
	PQL	0.01	

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"
*** = 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: 7/6/2009 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
Lead (Pb)	090626-58	1.00	107	PASS	0.025	1.00	1.03	101%	1.05	103%	2%

ANALYSIS DATE: 7/2/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090701-215	0.0125	90.6	PASS	0	0.0125	0.0104	83%	0.0101	81%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B124-0.5	090626-46	6-25-09	9:02	Soil	1		ICE	X						
B124-1.0	-47	6-25-09	9:02					X						
B124-2.5	-48		9:05					X						
B124-5.0	-49		9:07					X			X			
A123-0.5	-50		9:16					X						
A123-1.0	-51		9:16					X						
A123-2.5	-52		9:19					X						
A123-5.0	-53		9:21					X						
A119-0.5	-54		9:36					X						
A119-1.0	-55		9:36					X						
A119-2.5	-56		9:39					X						
A119-5.0	-57		9:41					X						
A118-0.5	-58		9:54					X						
A118-1.0	-59		9:54					X						
A118-2.5	-60	↓	9:57	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.	**Project Contact:** Kristin Stout	**Sampler's Signature:**	
Address: 41715 Enterprise Circle N., Suite 103	**Tel:** 951-252-8927	**Project Name/ID:** I-15 CIP ADL Survey / 603008001	
City/State/Zip: Temecula, CA 92591	**Fax:** 951-296-0534		

Relinquished by:	Received by:	Date & Time: 6/26/09 9:50	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WSP	Date & Time: 6/26/09 1200	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-25-09

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
1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A118-5.0	0906b-61	6-25-09	9:58	Soil	1		ICE	X										
A117-0.5	-62		10:08					X										
A117-1.0	-63		10:08					X										
A117-2.5	-64		10:10					X										
A116-0.5	-65		10:21					X										
A116-1.0	-66		10:21					X										
A116-2.5	-67		10:24					X										
A116-5.0	-68		10:28					X										
A115-0.5	-69		10:38					X										
A115-1.0	-70		10:38					X				X						
A115-2.5	-71		10:42					X										
A115-5.0	-72		10:43					X										
A114-0.5	-73		10:54					X										
A114-1.0	-74		10:54					X										
A114-2.5	-75	↓	10:56	↓	↓		↓	X				X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/26/09 0956	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 6/26/09 12:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-25-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A114-5.0	09826-76	6-25-09	10:58	Soil	1		ICE	X						
A113-0.5	-77		11:09					X						
A113-1.0	-78		11:09					X						
A113-2.5	-79		11:12					X						
A113-4.0	-80		11:12					X						
A112-0.5	-81		11:23					X						
A112-1.0	-82		11:23					X			X			
A111-0.5	-83		11:36					X						
A111-1.0	-84		11:36					X			X			
A111-2.5	-85		11:39					X						
A111-5.0	-86		11:42					X						
A110-0.5	-87		11:54					X						
A110-1.0	-88		11:54					X						
A110-2.5	-89		11:56					X			X			
A109-0.5	-90	↓	12:42	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/26/09 0950	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/26/09 1700	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-25-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc. / COMMENTS
								Analysis Required									
A109 - 1.0	9006-91	6-25-09	12:42	Soil	1		ICE	X									
A109 - 2.5	-92		12:44					X									
A109 - 5.0	-93		12:46					X			X						
A108 - 0.5	-94		12:56					X			X						
A108 - 1.0	-95		12:56					X									
A108 - 2.5	-96		12:58					X									
A108 - 5.0	-97		13:00					X									
E016	-98		1301	WATER				X									
A107 - 0.5	-99		13:10	Soil				X									
A107 - 1.0	-100		13:10					X									
A107 - 2.5	-101		13:13					X									
A107 - 5.0	-102		13:18					X									
A607 - 0.5	-103		13:22					X									
A607 - 1.0	-104		13:22					X									
A607 - 2.5	-105	↓	13:24	↓	↓		↓	X									

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/26/09 0950	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 6/26/09 1210	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-25-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A607-5.0	0906-106	6-25-09	13:26	So. 1	1		ICE	X						
A106-0.5	-107	"	13:37	"	"		"	X						
A106-1.0	-108		13:37					X						
A106-2.5	-109		13:40					X						
A106-5.0	-110		14:42					X						
A100-0.5	-111		13:56					X						
A100-1.0	-112		13:56					X			X			
A100-2.5	-113		14:02					X						
A100-5.0	-114		14:04					X						
B100-0.5	-115		14:10					X						
B100-1.0	-116		14:13					X						
B100-2.5	-117		14:16					X						
A099-0.5	-118		14:26					X						
A099-1.0	-119		14:26					X						
A099-2.5	-120	↓	14:29	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 6/26/09 0950
Relinquished by:	Received by:	Date & Time: 6/26/09 (2:50)
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-25-09

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
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A099-5.0	0906-12	6-25-09	14:31	Soil	1		ICE	X										
A599-0.5	-13		14:34					X										
A599-1.0	-14		14:34					X										
A599-2.5	-15		14:38					X										
A599-5.0	-16	↓	14:40	↓	↓		↓	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 6/26/09 09:50
Relinquished by:	Received by:	Date & Time: 6/26/09 12:15
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 06-25-09

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: July 29, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090722-87 through -151**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on July 22, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/22/09
SAMPLING DATE: 07/21/09 DATE ANALYZED: 07/22/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/29/09

---

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
B112-1.0	090722-88	6.62
B113-1.0	090722-92	6.92
B117-2.5	090722-109	7.03
B118-2.5	090722-113	6.95
B618-2.5	090722-117	7.25
B119-0.5	090722-119	6.61
B120-1.0	090722-124	6.95
A121-1.0	090722-136	7.42
B122-2.5	090722-141	7.33

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

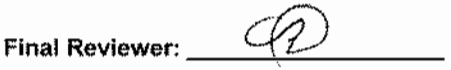
Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	7/22/2009	090722-141	7.33	7.34	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/13/2009	090713-12	2342	2326	0.7%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/16/2009	LCS1/2	200	0.0	0-20	80-120	172	86%	162	81%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/16/2009	090713-16	10.0	0.000	0-20	80-120	8.5	85%	8.61	86%	1.1%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/16/2009	LCS1/2	200	0.0	0-20	80-120	171	86%	167	84%	2.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/16/2009	LCS1/2	667	0.0	0-20	80-120	665	100%	676	101%	1.6%
Sulfide, Reactive	mg/Kg	7/17/2009	090713-16	3.0	0.0	0-20	80-120	2.67	89%	2.77	92%	3.3%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/22/09
SAMPLING DATE: 07/21/09 DATE ANALYZED: 07/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B112-0.5	090722-87	164 *	1
B112-1.0	090722-88	1.94	1
B112-2.5	090722-89	4.18	1
B112-5.0	090722-90	5.18	1
B113-0.5	090722-91	59.8 *	1
B113-1.0	090722-92	5.27	1
B113-2.5	090722-93	3.79	1
B113-5.0	090722-94	5.96	1
B114-0.5	090722-95	75.7 *	1
B114-1.0	090722-96	6.21	1
B114-2.5	090722-97	6.23	1
B114-5.0	090722-98	2.19	1
B115-0.5	090722-99	6.30	1
B115-1.0	090722-100	5.28	1
B115-2.5	090722-101	5.56	1
B115-5.0	090722-102	8.88	1
B116-0.5	090722-103	112 *	1
B116-1.0	090722-104	13.5	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/22/09
SAMPLING DATE:07/21/09 DATE ANALYZED:07/26/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B116-2.5	090722-105	18.6	1
B116-5.0	090722-106	42.3	1
B117-0.5	090722-107	32.9	1
B117-1.0	090722-108	1.08	1
B117-2.5	090722-109	0.802	1
B117-5.0	090722-110	3.92	1
B118-0.5	090722-111	13.9	1
B118-1.0	090722-112	1.80	1
B118-2.5	090722-113	1.50	1
B118-5.0	090722-114	0.785	1
B618-0.5	090722-115	77.9 *	1
B618-1.0	090722-116	1.65	1
B618-2.5	090722-117	1.33	1
B618-5.0	090722-118	3.01	1
B119-0.5	090722-119	20.3	1
B119-1.0	090722-120	0.733	1
B119-2.5	090722-121	1.34	1
B119-5.0	090722-122	0.520	1
B120-0.5	090722-123	10.2	1
B120-1.0	090722-124	0.612	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/22/09
SAMPLING DATE: 07/21/09 DATE ANALYZED: 07/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B120-2.5	090722-125	1.03	1
B120-5.0	090722-126	1.07	1
A120-0.5	090722-127	23.6	1
A120-1.0	090722-128	9.22	1
A120-2.5	090722-129	8.52	1
A120-5.0	090722-130	20.3	1
B121-0.5	090722-131	24.5	1
B121-1.0	090722-132	4.35	1
B121-2.5	090722-133	3.26	1
B121-5.0	090722-134	8.54	1
A121-0.5	090722-135	15.7	1
A121-1.0	090722-136	8.70	1
A121-2.5	090722-137	7.98	1
A121-5.0	090722-138	4.93	1
B122-0.5	090722-139	26.3	1
B122-1.0	090722-140	4.87	1
B122-2.5	090722-141	8.76	1
B122-5.0	090722-142	4.17	1
A122-0.5	090722-143	14.2	1
A122-1.0	090722-144	10.3	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/22/09
SAMPLING DATE: 07/21/09 DATE ANALYZED: 07/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/29/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A122-2.5	090722-146	7.53	1
A122-5.0	090722-147	8.42	1
B123-0.5	090722-148	55.8 *	1
B123-1.0	090722-149	16.9	1
B123-2.5	090722-150	5.13	1
B123-5.0	090722-151	17.5	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/26/2009 **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
Lead (Pb)	090721-65	1.00	105	PASS	3.65	50.0	56.0	105%	57.2	107%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/26/2009

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
Lead (Pb)	090722-109	1.00	99	PASS	0.802	50.0	50.6	100%	50.7	100%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/26/2009 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
Lead (Pb)	090722-125	1.00	102	PASS	1.03	50.0	50.6	99%	50.9	100%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/26/2009 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
Lead (Pb)	090723-6	1.00	102	PASS	5.85	50.0	54.5	97%	54.9	98%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

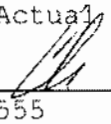
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:LIQUID DATE RECEIVED:07/22/09
SAMPLING DATE:07/21/09 DATE ANALYZED:07/23/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/29/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E030	090722-145	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/23/2009 — **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
Copper (Cu)	090722-145	1.00	97	PASS	0	1.00	1.01	101%	0.974	97%	4%
Lead (Pb)	090722-145	1.00	114	PASS	0	1.00	1.13	113%	1.14	114%	1%
Zinc (Zn)	090722-145	1.00	108	PASS	0	1.00	1.08	108%	1.06	106%	2%

ANALYSIS DATE. : 7/23/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090722-46	0.00250	93.3	PASS	0	0.00250	0.00214	86%	0.00227	91%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Date: August 4, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090722-87 through -151**

Dear Ms. Stout:

The **additional STLC/STLC-DI/TCLP-Pb results** for the soil and water samples, received by our lab on July 22, 2009, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/22/09
SAMPLING DATE: 07/21/09 DATE ANALYZED: 07/27-29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/04/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B112-0.5	090722-87	14.7 ***	1
B113-0.5	090722-91	2.71	1
B114-0.5	090722-95	3.17	1
B116-0.5	090722-103	12.2 ***	1
B618-0.5	090722-115	1.51	1
B123-0.5	090722-148	1.54	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/29/2009 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
Chromium (Cr)	090727-25	1.00	102	PASS	0	5.00	5.16	103%	5.16	103%	0%
Copper (Cu)	090727-25	1.00	95	PASS	0.175	5.00	5.62	109%	5.29	102%	6%
Lead (Pb)	090727-25	1.00	113	PASS	0.132	5.00	5.58	109%	5.54	108%	1%

ANALYSIS DATE: 7/29/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090727-25	0.0125	93.8	PASS	0	0.0125	0.0111	89%	0.0109	87%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/04/09
SAMPLING DATE:07/21/09 DATE ANALYZED:08/01-03/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/04/09

EPA 6010B FOR STLC DI-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B112-0.5	090722-87	ND	1
B116-0.5	090722-103	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC (DI H_2O)

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/3/2009 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
Chromium (Cr)	090722-87	1.00	107	PASS	0	5.00	5.07	101%	5.08	102%	0%
Copper (Cu)	090722-87	1.00	108	PASS	0	5.00	5.06	101%	5.17	103%	2%
Lead (Pb)	090722-87	1.00	113	PASS	0	5.00	5.17	103%	5.20	104%	1%

ANALYSIS DATE: 7/30/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090727-27	0.0125	92.9	PASS	0	0.0125	0.0109	87%	0.0100	80%	9%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/04/09
SAMPLING DATE: 07/21/09 DATE ANALYZED: 07/29-30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/04/09

TCLP-LEAD ANALYSIS
(PER 40 CFR 261.24)/LIMIT @ 5.0
CONCENTRATION UNIT: MG/L IN LEACHATE

SAMPLE I.D.	LAB I.D.	TCLP-LEAD RESULT	DF
B112-0.5	090722-87	0.080	1
B116-0.5	090722-103	0.072	1
Method Blank	---	ND	1
	PQL	**0.01**	

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"
*** = 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: 7/30/2009 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
Cadmium (Cd)	090722-103	1.00	99	*PASS*	*0.012*	1.00	1.14	113%	1.14	113%	0%
Chromium (Cr)	090722-103	1.00	98	*PASS*	*0.020*	1.00	0.983	96%	1.00	98%	2%
Lead (Pb)	090722-103	1.00	102	*PASS*	*0.072*	1.00	1.11	104%	1.09	102%	2%

ANALYSIS DATE: 7/28/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090727-31	0.0125	95.1	*PASS*	*0*	0.0125	0.0111	89%	0.0112	90%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Cadmium (Cd)	*PASS*	*PASS*	*PASS*	*PASS*
Chromium (Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B112-0.5	090722-87	7-21-09	9:08	Soil	1		ICE	X						
B112-1.0	-88		9:08					X			X			
B112-2.5	-89		9:11					X						
B112-5.0	-90		9:14					X						
B113-0.5	-91		9:26					X						
B113-1.0	-92		9:26					X			X			
B113-2.5	-93		9:33					X						
B113-5.0	-94		9:36					X						
B114-0.5	-95		9:48					X						
B114-1.0	-96		9:48					X						
B114-2.5	-97		9:51					X						
B114-5.0	-98		9:55					X						
B115-0.5	-99		10:07					X						
B115-1.0	-100		10:07					X						
B115-2.5	-101	↓	10:09	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/22/09
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-21-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B115 - 5.0	0907M-102	7-21-09	10:13	Soil	1		ICE	X						
B116 - 0.5	-103		10:24					X						
B116 - 1.0	-104		10:24					X						
B116 - 2.5	-105		10:27					X						
B116 - 5.0	-106		10:31					X						
B117 - 0.5	-107		10:44					X						
B117 - 1.0	-108		10:44					X						
B117 - 2.5	-109		10:46					X			X			
B117 - 5.0	-110		10:49					X						
B118 - 0.5	-111		11:01					X						
B118 - 1.0	-112		11:01					X						
B118 - 2.5	-113		11:03					X			X			
B118 - 5.0	-114		11:06					X						
B618 - 0.5	-115		11:09					X						
B618 - 1.0	-116	↓	11:09	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	7/22/09	0720
Relinquished by:	Received by: WP	7/22/09	9:10
Relinquished by:	Received by:	Date & Time:	

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-21-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B618 - 2.5	0P0722-17	7-21-09	11:12	Soil	1	✗	ICE	X				X						
B618 - 5.0	-18		11:14					X										
B119 - 0.5	-19		11:26					X				X						
B119 - 1.0	-20		11:26					X										
B119 - 2.5	-21		11:28					X										
B119 - 5.0	-22		11:29					X										
B120 - 0.5	-23		11:42					X										
B120 - 1.0	-24		11:42					X				X						
B120 - 2.5	-25		11:47					X										
B120 - 5.0	-26		11:49					X										
A120 - 0.5	-27		12:36					X										
A120 - 1.0	-28		12:36					X										
A120 - 2.5	-29		12:39					X										
A120 - 5.0	-30		12:44					X										
B121 - 0.5	-31	↓	12:51	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/22/09 0720
Relinquished by:	Received by: WP	Date & Time: 7/22/09 9:15
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-21-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B121-1.0	0907132	7-21-09	12:51	Soil	1		ICE	X											
B121-2.5	-133		12:53					X											
B121-5.0	-134		12:57					X											
A121-0.5	-135		13:08					X											
A121-1.0	-136		13:08					X				X							
A121-2.5	-137		13:21					X											
A121-5.0	-138		13:14					X											
B122-0.5	-139		13:26					X											
B122-1.0	-140		13:26					X											
B122-2.5	-141		13:29					X				X							
B122-5.0	-142		13:30					X											
A122-0.5	-143		13:40					X											
A122-1.0	-144		13:40	↓				X											
E030	-145		13:33	WATER				X											
A122-2.5	-146	↓	13:43	Soil	↓		↓	X											

Company Name: Leighton Consulting, Inc.	**Project Contact:** Kristin Stout	**Sampler's Signature:**
Address: 41715 Enterprise Circle N., Suite 103	**Tel:** 951-252-8927	**Project Name/ID:** I-15 CIP ADL Survey / 603008001
City/State/Zip: Temecula, CA 92591	**Fax:** 951-296-0534	

Relinquished by:	Received by:	Date & Time: 7/22/09 8:20
Relinquished by:	Received by:	Date & Time: 7/22/09 10:10
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07.21.09

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
- 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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A122-5.0	0907147	7-21-09	13:45	Soil	1		ICE	X										
B-123-0.5	148		13:53					X										
B-123-1.0	149		13:53					X										
B-123-2.5	150		13:55					X										
B123-5.0	151	↓	13:58	↓	↓		↓	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/22/09 0720
Relinquished by:	Received by:	Date & Time: 7/22/09 0915
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-21-09

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: July 30, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090723-5 through -68**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on July 23, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/23/09
SAMPLING DATE: 07/22/09 DATE ANALYZED: 07/23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/30/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
B129-1.0	090723-14	7.60
A130-2.5	090723-31	7.74
B131-0.5	090723-33	7.85
A132-1.0	090723-46	7.80
A134-1.0	090723-63	6.22

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	7/23/2009	090723-14	7.60	7.58	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/13/2009	090713-12	2342	2326	0.7%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/16/2009	LCS1/2	200	0.0	0-20	80-120	172	86%	162	81%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/16/2009	090713-16	10.0	0.000	0-20	80-120	8.5	85%	8.61	86%	1.1%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/16/2009	LCS1/2	200	0.0	0-20	80-120	171	86%	167	84%	2.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/16/2009	LCS1/2	667	0.0	0-20	80-120	665	100%	676	101%	1.6%
Sulfide, Reactive	mg/Kg	7/17/2009	090713-16	3.0	0.0	0-20	80-120	2.67	89%	2.77	92%	3.3%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/23/09
SAMPLING DATE: 07/22/09 DATE ANALYZED: 07/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/30/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A128-0.5	090723-5	41.3	1
A128-1.0	090723-6	5.85	1
A128-2.5	090723-7	2.20	1
A128-5.0	090723-8	1.09	1
A628-0.5	090723-9	36.0	1
A628-1.0	090723-10	5.62	1
A628-2.5	090723-11	1.82	1
A628-5.0	090723-12	1.14	1
B129-0.5	090723-13	26.1	1
B129-1.0	090723-14	1.57	1
B129-2.5	090723-15	0.992	1
B129-5.0	090723-16	2.12	1
A129-0.5	090723-17	10.1	1
A129-1.0	090723-18	4.20	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/23/09
SAMPLING DATE:07/22/09 DATE ANALYZED:07/26/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/30/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A129-2.5	090723-19	14.3	1
A129-5.0	090723-20	7.99	1
B130-0.5	090723-21	29.5	1
B130-1.0	090723-22	3.45	1
B130-2.5	090723-23	6.16	1
B130-5.0	090723-24	9.31	1
B630-0.5	090723-25	28.4	1
B630-1.0	090723-26	1.66	1
B630-2.5	090723-27	5.94	1
B630-5.0	090723-28	10.2	1
A130-0.5	090723-29	14.4	1
A130-1.0	090723-30	4.17	1
A130-2.5	090723-31	2.55	1
A130-5.0	090723-32	2.63	1
B131-0.5	090723-33	23.7	1
B131-1.0	090723-34	1.87	1
B131-2.5	090723-35	2.23	1
B131-5.0	090723-36	ND	1
A131-0.5	090723-37	19.0	1
A131-1.0	090723-38	9.18	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/23/09
SAMPLING DATE: 07/22/09 DATE ANALYZED: 07/26/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/30/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A131-2.5	090723-39	3.50	1
A131-5.0	090723-40	3.04	1
B132-0.5	090723-41	29.0	1
B132-1.0	090723-42	9.16	1
B132-2.5	090723-43	7.15	1
B132-5.0	090723-44	4.21	1
A132-0.5	090723-45	13.7	1
A132-1.0	090723-46	8.13	1
A132-2.5	090723-47	7.55	1
A132-5.0	090723-48	2.93	1
B133-0.5	090723-50	12.9	1
B133-1.0	090723-51	7.44	1
B133-2.5	090723-52	7.40	1
B133-5.0	090723-53	6.81	1
A133-0.5	090723-54	9.90	1
A133-1.0	090723-55	3.19	1
A133-2.5	090723-56	2.31	1
A133-5.0	090723-57	3.02	1
B134-0.5	090723-58	21.5	1
B134-1.0	090723-59	7.70	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/23/09
SAMPLING DATE: 07/22/09 DATE ANALYZED: 07/27/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/30/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B134-2.5	090723-60	8.66	1
B134-5.0	090723-61	7.88	1
A134-0.5	090723-62	21.2	1
A134-1.0	090723-63	7.43	1
A134-2.5	090723-64	2.95	1
B135-0.5	090723-65	8.72	1
B135-1.0	090723-66	6.99	1
B135-2.5	090723-67	6.87	1
B135-5.0	090723-68	6.04	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/26/2009 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
Lead (Pb)	090723-6	1.00	102	PASS	5.85	50.0	54.5	97%	54.9	98%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/26/2009 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
Lead (Pb)	090723-22	1.00	103	PASS	3.45	50.0	54.9	103%	53.4	100%	3%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: D

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/26/2009 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
Lead (Pb)	090723-40	1.00	106	PASS	3.04	50.0	51.2	96%	51.8	98%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: D

FINAL REVIEWER: CH

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/27/2009

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
Lead (Pb)	090723-60	1.00	98	PASS	8.66	50.0	58.1	99%	57.8	98%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

Enviro - Chem, Inc.
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LABORATORY REPORT

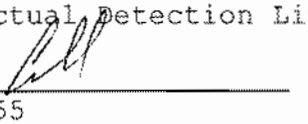
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: LIQUID DATE RECEIVED: 07/23/09
SAMPLING DATE: 07/22/09 DATE ANALYZED: 07/24/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/30/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E031	090723-49	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/24/2009 — **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
Copper (Cu)	090723-49	1.00	99	PASS	0	1.00	0.976	98%	0.987	99%	1%
Lead (Pb)	090723-49	1.00	106	PASS	0	1.00	1.04	104%	1.03	103%	1%
Zinc (Zn)	090723-49	1.00	103	PASS	0	1.00	1.00	100%	1.01	101%	1%

ANALYSIS DATE. : 7/23/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090722-46	0.00250	93.3	PASS	0	0.00250	0.00214	86%	0.00227	91%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A128-0.5	090723-5	7-22-09	9:09	Soil	1 pt		ICE	X										
A128-1.0	-6		9:09					X										
A128-2.5	-7		9:12					X										
A128-5.0	-8		9:14					X										
A628-0.5	-9		9:17					X										
A628-1.0	-10		9:17					X										
A628-2.5	-11		9:20					X										
A628-5.0	-12		9:22					X										
B129-0.5	-13		9:36					X										
B129-1.0	-14		9:36					X				X						
B129-2.5	-15		9:38					X										
B129-5.0	-16		9:41					X										
A129-0.5	-17		9:56					X										
A129-1.0	-18		9:56					X										
A129-2.5	-19	↓	9:58	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/23/09 0810
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-22-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A129 - 5.0	090723-20	7-22-09	10:00	Soil	1		ICE	X										
B130 - 0.5	-21		10:09					X										
B130 - 1.0	-22		10:09					X										
B130 - 2.5	-23		10:12					X										
B130 - 5.0	-24		10:15					X										
B630 - 0.5	-25		10:18					X										
B630 - 1.0	-26		10:18					X										
B630 - 2.5	-27		10:20					X										
B630 - 5.0	-28		10:23					X										
A130 - 0.5	-29		10:38					X										
A130 - 1.0	-30		10:38					X										
A130 - 2.5	-31		10:41					X				X						
A130 - 5.0	-32		10:43					X										
B131 - 0.5	-33		10:54					X				X						
B131 - 1.0	-34	↓	10:57	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B131 - 2.5	0A07235	7-22-09	10:56	So. 1	1		ICE	X						
B131 - 5.0	-36		10:58					X						
A131 - 0.5	-37		11:08					X						
A131 - 1.0	-38		11:08					X						
A131 - 2.5	-39		11:11					X						
A131 - 5.0	-40		11:13					X						
B132 - 0.5	-41		11:27					X						
B132 - 1.0	-42		11:27					X						
B132 - 2.5	-43		11:30					X						
B132 - 5.0	-44		11:32					X						
A132 - 0.5	-45		11:43					X						
A132 - 1.0	-46		11:43					X			X			
A132 - 2.5	-47		11:46					X						
A132 - 5.0	-48		11:48	↓				X						
E031	-49	↓	11:50	WATER	↓		↓	X						

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Sampler's Signature:
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Relinquished by:	Received by:	Date & Time: 7/23/09 0810
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Instructions for Sample Storage After Analysis:
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CHAIN OF CUSTODY RECORD

Date: 07-22-09

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~~0~~ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B133 - 0.5	0907B3-50	7-22-09	12:37	Soil	1		ICE	X											
B133 - 1.0	-51		12:37					X											
B133 - 2.5	-52		12:40					X											
B133 - 5.0	-53		12:43					X											
A133 - 0.5	-54		12:52					X											
A133 - 1.0	-55		12:52					X											
A133 - 2.5	-56		12:56					X											
A133 - 5.0	-57		13:00					X											
B134 - 0.5	-58		13:12					X											
B134 - 1.0	-59		13:12					X											
B134 - 2.5	-60		13:14					X											
B134 - 5.0	-61		13:17					X											
A134 - 0.5	-62		13:32					X											
A134 - 1.0	-63		13:32					X				X							
A134 - 2.5	-64	↓	13:34	↓	↓		↓	X											

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Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/23/09 0810	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
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CHAIN OF CUSTODY RECORD

Date: 07-22-09

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X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B135-0.5	0907B3-65	7-22-09	13:43	Soil	1		ICE	X											
B135-1.0	-66	↓	13:43	↓	↓		↓	X											
B135-2.5	-67		13:47					X											
B135-5.0	-68		13:51					X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											

Company Name: Leighton Consulting, Inc.
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City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/23/09 0810	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-22-09

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: July 31, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090724-1 through -60**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on July 24, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/24/09
SAMPLING DATE: 07/23/09 DATE ANALYZED: 07/24/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/31/09

---

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A135-1.0	090724-2	7.52
B136-2.5	090724-7	7.72
A140-5.0	090724-35	8.27

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	7/24/2009	090724-2	7.52	7.54	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/23/2009	090723-96	5371	5325	0.9%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/24/2009	LCS1/2	200	0.0	0-20	80-120	175	88%	165	83%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/16/2009	090713-16	10.0	0.000	0-20	80-120	8.5	85%	8.61	86%	1.1%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/23/2009	LCS1/2	200	0.0	0-20	80-120	173	87%	176	88%	1.5%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/16/2009	LCS1/2	667	0.0	0-20	80-120	665	100%	676	101%	1.6%
Sulfide, Reactive	mg/Kg	7/17/2009	090713-16	3.0	0.0	0-20	80-120	2.67	89%	2.77	92%	3.3%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/24/09
SAMPLING DATE:07/23/09 DATE ANALYZED:07/27/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/31/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A135-0.5	090724-1	49.6	1
A135-1.0	090724-2	8.98	1
A135-2.5	090724-3	8.69	1
A135-5.0	090724-4	8.01	1
B136-0.5	090724-5	11.8	1
B136-1.0	090724-6	14.5	1
B136-2.5	090724-7	6.59	1
B136-5.0	090724-8	7.88	1
A136-0.5	090724-9	10.1	1
A136-1.0	090724-10	8.99	1
A136-2.5	090724-11	7.50	1
B137-0.5	090724-12	30.5	1
B137-1.0	090724-13	7.70	1
B137-2.5	090724-14	7.26	1
B137-5.0	090724-15	7.82	1
A137-0.5	090724-16	19.3	1
A137-1.0	090724-17	7.43	1
A137-2.5	090724-18	9.06	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/24/09
SAMPLING DATE:07/23/09 DATE ANALYZED:07/27/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/31/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A137-5.0	090724-19	9.86	1
B138-0.5	090724-20	12.6	1
B138-1.0	090724-21	7.52	1
B138-2.5	090724-22	7.49	1
B138-5.0	090724-23	7.32	1
A139-0.5	090724-24	13.9	1
A139-1.0	090724-25	5.80	1
A139-2.5	090724-26	6.54	1
A139-5.0	090724-27	7.07	1
B140-0.5	090724-28	48.7	1
B140-1.0	090724-29	7.38	1
B140-2.5	090724-30	6.96	1
B140-5.0	090724-31	8.99	1
A140-0.5	090724-32	3.18	1
A140-1.0	090724-33	3.95	1
A140-2.5	090724-34	7.50	1
A140-5.0	090724-35	6.96	1
B141-0.5	090724-36	6.97	1
B141-1.0	090724-37	7.21	1
B141-2.5	090724-38	7.63	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
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EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B141-5.0	090724-39	7.42	1
A141-0.5	090724-41	12.3	1
A141-1.0	090724-42	3.38	1
A141-2.5	090724-43	7.35	1
A141-5.0	090724-44	7.86	1
B142-0.5	090724-45	17.6	1
B142-1.0	090724-46	1.35	1
B142-2.5	090724-47	2.90	1
B142-5.0	090724-48	4.02	1
A142-0.5	090724-49	30.0	1
A142-1.0	090724-50	1.79	1
A142-2.5	090724-51	1.60	1
A142-5.0	090724-52	1.53	1
B143-0.5	090724-53	34.4	1
B143-1.0	090724-54	4.69	1
B143-2.5	090724-55	4.50	1
B143-5.0	090724-56	5.93	1
A143-0.5	090724-57	10.9	1
A143-1.0	090724-58	7.09	1
A143-2.5	090724-59	4.52	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/24/09
SAMPLING DATE: 07/23/09 DATE ANALYZED: 07/27/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 07/31/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A143-5.0	090724-60	6.23	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/27/2009

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
Lead (Pb)	090724-3	1.00	95	PASS	8.69	50.0	57.9	98%	57.4	97%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/27/2009 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
Lead (Pb)	090724-23	1.00	97	PASS	7.32	50.0	58.8	103%	59.2	104%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/27/2009 **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
Lead (Pb)	090724-39	1.00	98	*PASS*	7.42	50.0	55.3	96%	56.5	98%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/27/2009 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
Lead (Pb)	090724-60	1.00	97	PASS	6.23	50.0	54.5	97%	54.3	96%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:LIQUID DATE RECEIVED:07/24/09
SAMPLING DATE:07/23/09 DATE ANALYZED:07/27/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:07/31/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E032	090724-40	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/27/2009 — **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
Copper (Cu)	090724-40	1.00	99	PASS	0	1.00	0.982	98%	0.971	97%	1%
Lead (Pb)	090724-40	1.00	104	PASS	0	1.00	0.994	99%	1.00	100%	1%
Zinc (Zn)	090724-40	1.00	103	PASS	0	1.00	0.979	98%	0.971	97%	1%

ANALYSIS DATE. : 7/27/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090724-84	0.00250	93.2	PASS	0	0.00250	0.00209	84%	0.00202	81%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
~~X~~ Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A135-0.5	090724-1	7-23-09	9:04	SO.1	1	pt	ice	X						
A135-1.0	-2		9:04					X				X		
A135-2.5	-3		9:14					X						
A135-5.0	-4		9:19					X						
B136-0.5	-5		9:42					X						
B136-1.0	-6		9:42					X						
B136-2.5	-7		9:45					X				X		
B136-5.0	-8		9:47					X						
A136-0.5	-9		9:58					X						
A136-1.0	-10		9:58					X						
A136-2.5	-11		10:01					X						
B137-0.5	-12		10:09					X						
B137-1.0	-13		10:09					X						
B137-2.5	-14		10:12					X						
B137-5.0	-15	↓	10:15	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/24/09 0735	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 7/24/09 9:45	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-23-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
A137-0.5	0407X4-16	7-23-09	10:23	So. I	1		ICE	X											
A137-1.0	-17		10:23					X											
A137-2.5	-18		10:27					X											
A137-5.0	-19		10:29					X											
B138-0.5	-20		10:40					X											
B138-1.0	-21		10:40					X											
B138-2.5	-22		10:44					X											
B138-5.0	-23		10:47					X											
A139-0.5	-24		11:04					X											
A139-1.0	-25		11:04					X											
A139-2.5	-26		11:08					X											
A139-5.0	-27		11:10					X											
B140-0.5	-28		11:19					X											
B140-1.0	-29		11:19					X											
B140-2.5	-30		11:21					X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/24/09 0735	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 7/24/09 0945	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-23-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B140 - 5.0	0607241-31	7-23-09	11:25	Soil	1		ICE	X						
A140 - 0.5	-32		12:22					X						
A140 - 1.0	-33		12:22					X						
A140 - 2.5	-34		12:26					X						
A140 - 5.0	-35		12:28					X				X		
B141 - 0.5	-36		12:37					X						
B141 - 1.0	-37		12:37					X						
B141 - 2.5	-38		12:39					X						
B141 - 5.0	-39		12:42					X						
E032	-40		12:44	WATER				X						
A141 - 0.5	-41		12:52	Soil				X						
A141 - 1.0	-42		12:52					X						
A141 - 2.5	-43		12:55					X						
A141 - 5.0	-44		12:58					X						
B142 - 0.5	-45		13:06					X						

Company Name: Leighton Consulting, Inc.	**Project Contact:** Kristin Stout	**Sampler's Signature:**
Address: 41715 Enterprise Circle N., Suite 103	**Tel:** 951-252-8927	**Project Name/ID:** I-15 CIP ADL Survey / 603008001
City/State/Zip: Temecula, CA 92591	**Fax:** 951-296-0534	

Relinquished by:	Received by:	Date & Time: 7/24/09 0735	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 7/24/09 1645	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-23-09

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
Ø 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045							Misc.	COMMENTS
								Analysis Required												
B142 - 1.0	0907446	7-23-09	13:06	Soil	1	ice	ice	X												
B142 - 2.5	-47		13:08					X												
B142 - 5.0	-48		13:11					X												
A142 - 0.5	-49		13:20					X												
A142 - 1.0	-50		13:20					X												
A142 - 2.5	-51		13:22					X												
A142 - 5.0	-52		13:24					X												
B143 - 0.5	-53		13:32					X												
B143 - 1.0	-54		13:32					X												
B143 - 2.5	-55		13:34					X												
B143 - 5.0	-56		13:37					X												
A143 - 0.5	-57		13:45					X												
A143 - 1.0	-58		13:45					X												
A143 - 2.5	-59		13:54					X												
A143 - 5.0	60	↓	14:03	↓	↓		↓	X												

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	7/24/09	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 0735	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time: 7/24/09 1:45	Ø Other: Store 6 Months
		Date & Time:	

CHAIN OF CUSTODY RECORD

Date: 07-23-09

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: August 4, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090728-7 through -54**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on July 28, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/28/09
SAMPLING DATE: 07/27/09 DATE ANALYZED: 07/28/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/04/09

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pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A145-1.0	090728-20	7.55
A147-0.5	090728-27	7.86
A148-5.0	090728-38	8.02
A648-5.0	090728-42	7.95
B149-0.5	090728-43	7.58
A149-2.5	090728-49	7.98

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: SOLID/SOIL

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	7/28/2009	090728-20	7.55	7.54	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/23/2009	090723-96	5371	5325	0.9%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/24/2009	LCS1/2	200	0.0	0-20	80-120	175	88%	165	83%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/16/2009	090713-16	10.0	0.000	0-20	80-120	8.5	85%	8.61	86%	1.1%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/23/2009	LCS1/2	200	0.0	0-20	80-120	173	87%	176	88%	1.5%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/16/2009	LCS1/2	667	0.0	0-20	80-120	665	100%	676	101%	1.6%
Sulfide, Reactive	mg/Kg	7/17/2009	090713-16	3.0	0.0	0-20	80-120	2.67	89%	2.77	92%	3.3%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/28/09
SAMPLING DATE: 07/27/09 DATE ANALYZED: 07/29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/04/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B144-0.5	090728-7	7.29	1
B144-1.0	090728-8	8.90	1
B144-2.5	090728-9	2.74	1
B144-5.0	090728-10	6.01	1
A144-0.5	090728-11	27.1	1
A144-1.0	090728-12	4.99	1
A144-2.5	090728-13	6.28	1
A144-5.0	090728-14	10.9	1
B145-0.5	090728-15	20.5	1
B145-1.0	090728-16	5.60	1
B145-2.5	090728-17	35.7	1
B145-5.0	090728-18	2.18	1
A145-0.5	090728-19	4.84	1
A145-1.0	090728-20	2.50	1
A145-2.5	090728-21	9.84	1
A145-5.0	090728-22	1.90	1
B146-0.5	090728-23	32.9	1
B146-1.0	090728-24	4.45	1
B146-2.5	090728-25	3.58	1
B146-5.0	090728-26	2.44	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/28/09
SAMPLING DATE: 07/27/09 DATE ANALYZED: 07/29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/04/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A147-0.5	090728-27	329 *	1
A147-1.0	090728-28	10.1	1
A147-2.5	090728-29	253 *	1
A147-5.0	090728-30	4.39	1
B148-0.5	090728-31	34.5	1
B148-1.0	090728-32	5.00	1
B148-2.5	090728-33	3.26	1
B148-5.0	090728-34	9.26	1
A148-0.5	090728-35	41.8	1
A148-1.0	090728-36	2.60	1
A148-2.5	090728-37	6.04	1
A148-5.0	090728-38	1.44	1
A648-0.5	090728-39	45.0	1
A648-1.0	090728-40	2.52	1
A648-2.5	090728-41	16.5	1
A648-5.0	090728-42	3.95	1
B149-0.5	090728-43	44.0	1
B149-1.0	090728-44	3.46	1
B149-2.5	090728-45	3.01	1
B149-5.0	090728-46	5.56	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/28/09
SAMPLING DATE: 07/27/09 DATE ANALYZED: 07/29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/04/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A149-0.5	090728-47	126 *	1
A149-1.0	090728-48	1.10	1
A149-2.5	090728-49	2.39	1
A149-5.0	090728-50	12.5	1
A649-0.5	090728-51	38.7	1
A649-1.0	090728-52	7.83	1
A649-2.5	090728-53	1.61	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/29/2009 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
Lead (Pb)	090728-9	1.00	95	PASS	2.74	50.0	49.6	94%	50.7	96%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

(P. 2 of 3)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/29/2009

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
Lead (Pb)	090728-33	1.00	95	PASS	3.26	50.0	52.2	98%	53.4	100%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/29/2009

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
Lead (Pb)	090728-48	1.00	96	PASS	1.10	50.0	52.2	102%	50.6	99%	3%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

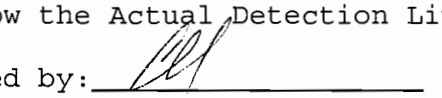
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: LIQUID DATE RECEIVED: 07/28/09
SAMPLING DATE: 07/27/09 DATE ANALYZED: 07/29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/04/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E033	090728-54	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER *MATRIX*

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/29/2009 **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
Copper (Cu)	090727-63	1.00	100	*PASS*	*0*	1.00	1.01	101%	0.987	99%	2%
Lead (Pb)	090727-63	1.00	102	*PASS*	*0*	1.00	1.03	103%	1.03	103%	0%
Zinc (Zn)	090727-63	1.00	100	*PASS*	*0*	1.00	1.02	102%	1.00	100%	2%

ANALYSIS DATE. : 7/28/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090727-63	0.00250	95.2	*PASS*	*0*	0.00250	0.00218	87%	0.00225	90%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Zinc (Zn)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B144-0.5	090728-7	7-27-09	9:02	Soil	1 pt		ICE	X											
B144-1.0	8		9:02					X											
B144-2.5	9		9:04					X											
B144-5.0	10		9:06					X											
A144-0.5	11		9:16					X											
A144-1.0	12		9:16					X											
A144-2.5	13		9:19					X											
A144-5.0	14		9:23					X											
B145-0.5	15		9:32					X											
B145-1.0	16		9:32					X											
B145-2.5	17		9:34					X											
B145-5.0	18		9:37					X											
A145-0.5	19		9:50					X											
A145-1.0	20		9:50					X					X						
A145-2.5	21	↓	9:53	↓	↓		↓	X											

Company Name:	Leighton Consulting, Inc.	**Project Contact:**	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	**Tel:**	951-252-8927
City/State/Zip:	Temecula, CA 92591	**Fax:**	951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/28/09	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 7/28/09 1055	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 7-27-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A145 - 5.0	090728-22	7-27-09	9:55	Soil	1		ICE	X						
B146 - 0.5	23		10:13					X						
B146 - 1.0	24		10:13					X						
B146 - 2.5	25		10:15					X						
B146 - 5.0	26		10:17					X						
A147 - 0.5	27		10:30					X				X		
A147 - 1.0	28		10:30					X						
A147 - 2.5	29		10:32					X						
A147 - 5.0	30		10:35					X						
B148 - 0.5	31		10:46					X						
B148 - 1.0	32		10:46					X						
B148 - 2.5	33		10:48					X						
B148 - 5.0	34		10:50					X						
A148 - 0.5	35		10:58					X						
A148 - 1.0	36	↓	10:58	↓	↓		↓	X						

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 7/28/09 0940
Relinquished by:	Received by:	Date & Time: 7/28/09 1615
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-29-09

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
- ◊ Same Day
- ◊ 24 Hours
- ◊ 48 Hours
- ◊ 72 Hours
- ~~X~~ 1 Week (Standard)
- Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A148 - 2.5	070728-37	7.27.07	11:04	Soil	1		ICE	X						
A148 - 5.0	38		11:06					X			X			
A648 - 0.5	39		11:07					X						
A648 - 1.0	40		11:07					X						
A648 - 2.5	41		11:17					X						
A648 - 5.0	42		11:19					X			X			
B149 - 0.5	43		11:31					X			X			
B149 - 1.0	44		11:31					X						
B149 - 2.5	45		11:34					X						
B149 - 5.0	46		11:37					X						
A149 - 0.5	47		11:46					X						
A149 - 1.0	48		11:46					X						
A149 - 2.5	49		11:50					X			X			
A149 - 5.0	50		12:08					X						
A649 - 0.5	51	↓	12:17	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/28/07 0940
Relinquished by:	Received by:	Date & Time: 7/28/07 1000
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-27-07

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
A649-1.0	090728-S2	7-27-09	12:17	Soil	1		ICE	X											
A649-2.5	53	↓	12:24	Soil	↓		↓	X				Pb							
A649-5.0	54	↓	12:33	water	↓		↓	X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											
								X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	7/28/09 Date & Time: 0940	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	7/28/09 Date & Time: 1055	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-27-09

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: August 5, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090729-17 through -89**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on July 29, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/29/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 07/29/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/05/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
B150-1.0	090729-18	7.02
B650-1.0	090729-22	7.25
B153-0.5	090729-45	7.64
A153-2.5	090729-51	7.58
B158-2.5	090729-83	7.60

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	7/29/2009	090729-16	9.74	9.76	0.2%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/28/2009	090728-76	7092	6944	2.1%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/31/2009	LCS1/2	200	0.0	0-20	80-120	165	83%	165	83%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/28/2009	LCS1/2	10.0	0.000	0-20	80-120	8.77	88%	8.93	89%	1.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/31/2009	090728-75	200	19.6	0-20	80-120	196	88%	198	89%	1.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/16/2009	LCS1/2	667	0.0	0-20	80-120	665	100%	676	101%	1.6%
Sulfide, Reactive	mg/Kg	7/17/2009	090713-16	3.0	0.0	0-20	80-120	2.67	89%	2.77	92%	3.3%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/29/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 07/30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/05/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B150-0.5	090729-17	36.8	1
B150-1.0	090729-18	8.12	1
B150-2.5	090729-19	6.71	1
B150-5.0	090729-20	7.16	1
B650-0.5	090729-21	43.4	1
B650-1.0	090729-22	5.48	1
B650-2.5	090729-23	7.16	1
B650-5.0	090729-24	6.96	1
A150-0.5	090729-25	35.8	1
A150-1.0	090729-26	7.06	1
A150-2.5	090729-27	8.37	1
A150-5.0	090729-28	6.87	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/29/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 07/30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/05/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B151-0.5	090729-29	7.32	1
B151-1.0	090729-30	6.48	1
B151-2.5	090729-31	8.53	1
B151-5.0	090729-32	7.05	1
A151-0.5	090729-33	21.4	1
A151-1.0	090729-34	7.46	1
A151-2.5	090729-35	7.39	1
A151-5.0	090729-36	7.61	1
B152-0.5	090729-37	48.3	1
B152-1.0	090729-38	8.42	1
B152-2.5	090729-39	10.3	1
B152-5.0	090729-40	4.71	1
A152-0.5	090729-41	23.1	1
A152-1.0	090729-42	5.78	1
A152-2.5	090729-43	6.97	1
A152-5.0	090729-44	4.25	1
B153-0.5	090729-45	8.49	1
B153-1.0	090729-46	7.33	1
B153-2.5	090729-47	5.80	1
B153-5.0	090729-48	4.56	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/29/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 07/30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/05/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A153-0.5	090729-49	39.9	1
A153-1.0	090729-50	2.41	1
A153-2.5	090729-51	29.5	1
A153-5.0	090729-52	5.03	1
B154-0.5	090729-53	5.19	1
B154-1.0	090729-54	5.47	1
B154-2.5	090729-55	5.64	1
B154-5.0	090729-56	3.80	1
A154-0.5	090729-57	5.67	1
A154-1.0	090729-58	5.33	1
A154-2.5	090729-59	6.57	1
A154-5.0	090729-60	7.34	1
B155-0.5	090729-61	27.9	1
B155-1.0	090729-62	3.72	1
B155-2.5	090729-63	4.96	1
B155-5.0	090729-64	8.95	1
B156-0.5	090729-65	12.0	1
B156-1.0	090729-66	4.94	1
B156-2.5	090729-67	7.85	1
B156-5.0	090729-68	10.9	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/29/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 07/30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/05/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A156-0.5	090729-69	21.3	1
A156-1.0	090729-70	9.97	1
A156-2.5	090729-71	4.29	1
A156-5.0	090729-72	8.61	1
B157-0.5	090729-73	12.3	1
B157-1.0	090729-74	11.2	1
B157-2.5	090729-75	7.10	1
B157-5.0	090729-76	7.00	1
A157-0.5	090729-77	16.2	1
A157-1.0	090729-78	14.3	1
A157-2.5	090729-79	8.68	1
A157-5.0	090729-80	9.16	1
B158-0.5	090729-81	34.1	1
B158-1.0	090729-82	9.64	1
B158-2.5	090729-83	8.83	1
B158-5.0	090729-84	8.15	1
A158-0.5	090729-86	22.0	1
A158-1.0	090729-87	7.66	1
A158-2.5	090729-88	10.2	1
A158-5.0	090729-89	9.07	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/30/2009 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
Lead (Pb)	090729-18	1.00	97	PASS	8.12	50.0	57.8	99%	57.2	98%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

(P. 7 of 9)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/30/2009 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
Lead (Pb)	090729-29	1.00	99	PASS	7.32	50.0	57.1	100%	57.2	100%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

PAGE (P. 3 of 4)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/30/2009

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
Lead (Pb)	090729-50	1.00	100	PASS	2.41	50.0	52.9	101%	53.1	101%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/30/2009 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
Lead (Pb)	090729-71	1.00	99	PASS	4.29	50.0	53.9	99%	53.8	99%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: LIQUID DATE RECEIVED: 07/29/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 07/30/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/05/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E034	090729-85	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 7/30/2009 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
Copper (Cu)	090729-85	1.00	95	PASS	0	1.00	0.953	95%	0.976	98%	2%
Lead (Pb)	090729-85	1.00	100	PASS	0	1.00	1.00	100%	1.01	101%	1%
Zinc (Zn)	090729-85	1.00	98	PASS	0	1.00	0.974	97%	0.993	99%	2%

ANALYSIS DATE. : 7/30/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	0907279-1	0.00250	91.6	PASS	0	0.00250	0.00204	82%	0.00215	86%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
- 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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B1S0 - 0.5	090729-17	7-28-09	9:12	Soil	1		ICE	X						
B1S0 - 1.0	18		9:12					X			X			
B1S0 - 2.5	19		9:14					X						
B1S0 - 5.0	20		9:17					X						
B6S0 - 0.5	21		9:19					X						
B6S0 - 1.0	22		9:19					X			X			
B6S0 - 2.5	23		9:22					X						
B6S0 - 5.0	24		9:24					X						
A1S0 - 0.5	25		9:30					X						
A1S0 - 1.0	26		9:30					X						
A1S0 - 2.5	27		9:34					X						
A1S0 - 5.0	28		9:38					X						
B1S1 - 0.5	29		9:46					X						
B1S1 - 1.0	30		9:46					X						
B1S1 - 2.5	31	↓	9:48	↓	↓		↓	X						

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 7/29/09 0945	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 7/29/09 1257	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-28-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B1S1-5.0	0909232	7-28-09	9:50	Soil	1		ICE	X											
A1S1-0.5	33		10:04					X											
A1S1-1.0	34		10:04					X											
A1S1-2.5	35		10:06					X											
A1S1-5.0	36		10:09					X											
B1S2-0.5	37		10:18					X											
B1S2-1.0	38		10:18					X											
B1S2-2.5	39		10:21					X											
B1S2-5.0	40		10:23					X											
A1S2-0.5	41		10:31					X											
A1S2-1.0	42		10:31					X											
A1S2-2.5	43		10:32					X											
A1S2-5.0	44		10:35					X											
B1S3-0.5	45		10:45					X				X							
B1S3-1.0	46	↓	10:45	↓	↓		↓	X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/29/09 0945
Relinquished by:	Received by:	Date & Time: 7/29/09 D17
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-28-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
B153-2.5	07089-47	7-28-09	10:40	So. 1	1		ICE	X											
B153-5.0	48		10:51					X											
A153-0.5	49		11:02					X											
A153-1.0	50		11:02					X											
A153-2.5	51		11:04					X				X							
A153-5.0	52		11:07					X											
B154-0.5	53		11:15					X											
B154-1.0	54		11:15					X											
B154-2.5	55		11:17					X											
B154-5.0	56		11:20					X											
A154-0.5	57		11:30					X											
A154-1.0	58		11:30					X											
A154-2.5	59		11:36					X											
A154-5.0	60		11:39					X											
B155-0.5	61		11:47					X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/29/09 0945
Relinquished by:	Received by:	Date & Time: 7/29/09 1257
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-28-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B155 - 1.0	09070 9-62	7-28-09	11:47	Soil	1		ICE	X										
B155 - 2.5	63		11:50					X										
B155 - 5.0	64		11:52					X										
B156 - 0.5	65		12:56					X										
B156 - 1.0	66		12:56					X										
B156 - 2.5	67		12:58					X										
B156 - 5.0	68		13:02					X										
A156 - 0.5	69		13:10					X										
A156 - 1.0	70		13:10					X										
A156 - 2.5	71		13:13					X										
A156 - 5.0	72		13:15					X										
B157 - 0.5	73		13:22					X										
B157 - 1.0	74		13:22					X										
B157 - 2.5	75		13:25					X										
B157 - 5.0	76	↓	13:27	↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

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Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 7/29/09 0945
Relinquished by:	Received by:	Date & Time: 07/29/09 057
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-28-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A157-0.5	08099-77	7-28-09	13:37	Soil	1		ICE	X										
A157-1.0	78		13:37					X										
A157-2.5	79		13:39					X										
A157-5.0	80		13:42					X										
B158-0.5	81		13:52					X										
B158-1.0	82		13:52					X										
B158-2.5	83		13:54					X			X							
B158-5.0	84		13:56	[illegible]				X										
E034	85		13:58	Water				X										
A158-0.5	86		14:06	Soil				X										
A158-1.0	87		14:06					X										
A158-2.5	88		14:08					X										
A158-5.0	89		14:11					X										
								X										
		↓		↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 7/29/09 0945
Relinquished by:	Received by:	Date & Time: 7/29/09 1257
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-28-09

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: August 10, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090730-19 through -81**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on July 30, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: I-15 CIP ADL Survey
PROJECT No.: 603008001
MATRIX: SOIL
DATE RECEIVED: 07/30/09
SAMPLING DATE: 07/28&29/09
DATE ANALYZED: 07/30/09
REPORT TO: MS. KRISTIN STOUT
DATE REPORTED: 08/10/09

---

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
B159-1.0	090730-20	7.04
A160-2.5	090730-33	7.65
A660-2.5	090730-36	7.61
B163-2.5	090730-55	7.58
A164-2.5	090730-67	8.05
B165-1.0	090730-71	7.90

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: SOLID/SOIL

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	7/30/2009	090730-71	7.90	7.89	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/28/2009	090728-76	7092	6944	2.1%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/31/2009	LCS1/2	200	0.0	0-20	80-120	165	83%	165	83%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/28/2009	LCS1/2	10.0	0.000	0-20	80-120	8.77	88%	8.93	89%	1.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/31/2009	090728-75	200	19.6	0-20	80-120	196	88%	198	89%	1.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/29/2009	LCS1/2	667	0.0	0-20	80-120	671	101%	679	102%	1.2%
Sulfide, Reactive	mg/Kg	7/17/2009	090713-16	3.0	0.0	0-20	80-120	2.67	89%	2.77	92%	3.3%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/30/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 08/09/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/10/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B159-0.5	090730-19	12.1	1
B159-1.0	090730-20	8.45	1
B159-2.5	090730-21	9.26	1
B159-5.0	090730-22	9.87	1
A159-0.5	090730-23	14.7	1
A159-1.0	090730-24	14.4	1
A159-2.5	090730-25	6.49	1
A159-5.0	090730-26	5.02	1
B160-0.5	090730-27	10.2	1
B160-1.0	090730-28	6.20	1
B160-2.5	090730-29	7.30	1
B160-5.0	090730-30	7.59	1
A160-0.5	090730-31	102 *	1
A160-1.0	090730-32	7.90	1
A160-2.5	090730-33	4.60	1
A660-0.5	090730-34	132 *	1
A660-1.0	090730-35	4.56	1
A660-2.5	090730-36	5.72	1
B161-0.5	090730-37	23.6	1
B161-1.0	090730-38	6.43	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/30/09
SAMPLING DATE: 07/28&29/09 DATE ANALYZED: 08/09/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/10/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B161-2.5	090730-39	11.5	1
B161-5.0	090730-40	3.80	1
A161-0.5	090730-41	23.1	1
A161-1.0	090730-42	7.22	1
A161-2.5	090730-43	5.83	1
A161-5.0	090730-44	11.6	1
B162-0.5	090730-45	17.6	1
B162-1.0	090730-46	8.68	1
B162-2.5	090730-47	4.43	1
B162-5.0	090730-48	8.52	1
A162-0.5	090730-49	26.0	1
A162-1.0	090730-50	5.88	1
A162-2.5	090730-51	4.22	1
A162-5.0	090730-52	4.22	1
B163-0.5	090730-53	12.6	1
B163-1.0	090730-54	2.08	1
B163-2.5	090730-55	4.06	1
B163-5.0	090730-56	4.76	1
A163-0.5	090730-57	43.2	1
A163-1.0	090730-58	28.7	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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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: I-15 CIP ADL Survey
PROJECT No.: 603008001
MATRIX: SOIL
DATE RECEIVED: 07/30/09
SAMPLING DATE: 07/29/09
DATE ANALYZED: 08/09/09
REPORT TO: MS. KRISTIN STOUT
DATE REPORTED: 08/10/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A163-2.5	090730-59	3.62	1
A163-5.0	090730-60	2.99	1
B164-0.5	090730-61	10.1	1
B164-1.0	090730-62	5.37	1
B164-2.5	090730-63	16.6	1
B164-5.0	090730-64	11.3	1
A164-0.5	090730-65	21.8	1
A164-1.0	090730-66	8.09	1
A164-2.5	090730-67	2.92	1
A164-5.0	090730-68	3.39	1
B165-0.5	090730-70	16.8	1
B165-1.0	090730-71	5.31	1
B165-2.5	090730-72	8.98	1
B165-5.0	090730-73	3.31	1
A165-0.5	090730-74	9.58	1
A165-1.0	090730-75	7.67	1
A165-2.5	090730-76	2.68	1
A165-5.0	090730-77	1.70	1
B166-0.5	090730-78	5.66	1
B166-1.0	090730-79	9.37	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: I-15 CIP ADL Survey — PROJECT No.: 603008001
MATRIX: SOIL — DATE RECEIVED: 07/30/09
SAMPLING DATE: 07/29/09 — DATE ANALYZED: 08/09/09
REPORT TO: MS. KRISTIN STOUT — DATE REPORTED: 08/10/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B166-2.5	090730-80	5.21	1
B166-5.0	090730-81	4.62	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/9/2009 **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
Lead (Pb)	090730-21	1.00	100	*PASS*	*9.26*	50.0	58.8	99%	58.5	98%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/9/2009 **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
Lead (Pb)	090730-43	1.00	102	*PASS*	*5.83*	50.0	51.8	92%	52.2	93%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: GM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/9/2009 **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
Lead (Pb)	090730-59	1.00	100	*PASS*	3.62	50.0	48.7	90%	50.1	93%	3%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/9/2009 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
Lead (Pb)	090730-80	1.00	100	PASS	5.21	50.0	53.3	96%	52.3	94%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: LIQUID DATE RECEIVED: 07/30/09
SAMPLING DATE: 07/29/09 DATE ANALYZED: 08/03/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/10/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E035	090730-69	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/3/2009

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
Copper (Cu)	090730-69	1.00	106	PASS	0	1.00	0.959	96%	0.951	95%	1%
Lead (Pb)	090730-69	1.00	102	PASS	0	1.00	0.907	91%	0.904	90%	0%
Zinc (Zn)	090730-69	1.00	104	PASS	0	1.00	0.918	92%	0.908	91%	1%

ANALYSIS DATE. : 7/30/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	0907279-1	0.00250	91.6	PASS	0	0.00250	0.00204	82%	0.00215	86%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Date: August 14, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090730-19 through -81**

Dear Ms. Stout:

The **additional STLC/STLC-DI/TCLP-Pb results** for the soil and water samples, received by our lab on July 30, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/30/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 08/10-12/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/14/09

EPA 6010B FOR STLC-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A160-0.5	090730-31	5.87 ***	1
A660-0.5	090730-34	6.30 ***	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/12/2009 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
Chromium (Cr)	090803-29	1.00	98	PASS	0	5.00	4.75	95%	4.73	95%	0%
Copper (Cu)	090803-29	1.00	98	PASS	0.510	5.00	5.73	104%	5.71	104%	0%
Lead (Pb)	090803-29	1.00	99	PASS	1.26	5.00	5.99	95%	6.00	95%	0%

ANALYSIS DATE: 8/10/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090807-102	0.0125	95.7	PASS	0	0.0125	0.0108	86%	0.0112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/04/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 08/12-14/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/14/09

EPA 6010B FOR STLC DI-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A160-0.5	090730-31	ND	1
A660-0.5	090730-34	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/14/2009 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
Chromium (Cr)	090730-31	1.00	100	*PASS*	*0*	5.00	5.13	103%	5.13	103%	0%
Copper (Cu)	090730-31	1.00	108	*PASS*	*0.353*	5.00	6.07	114%	6.05	114%	0%
Lead (Pb)	090730-31	1.00	99	*PASS*	*0*	5.00	5.01	100%	5.06	101%	1%

ANALYSIS DATE: 8/12/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090810-13	0.0125	92.6	*PASS*	*0*	0.0125	0.0112	90%	0.0114	91%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/04/09
SAMPLING DATE: 07/28/09 DATE ANALYZED: 08/12-13/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/14/09

TCLP-LEAD ANALYSIS
(PER 40 CFR 261.24)/LIMIT @ 5.0
CONCENTRATION UNIT: mg/L IN LEACHATE

SAMPLE I.D.	LAB I.D.	TCLP-LEAD RESULT	DF
A160-0.5	090730-31	0.237	1
A660-0.5	090730-34	0.089	1
Method Blank	---	ND	1
	PQL	0.01	

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"
*** = 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: 8/13/2009 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
Cadmium (Cd)	090730-31	1.00	102	PASS	0	1.00	1.09	109%	1.07	107%	2%
Chromium (Cr)	090730-31	1.00	103	PASS	0	1.00	1.04	104%	1.02	102%	2%
Lead (Pb)	090730-31	1.00	105	PASS	0.237	1.00	1.32	108%	1.28	104%	4%

ANALYSIS DATE: 8/13/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090812-87	0.0125	97.6	PASS	0	0.0125	0.0113	90%	0.0108	86%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Cadmium (Cd)	PASS	PASS	PASS	PASS
Chromium (Cr)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
- 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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B159-0.5	0F0730-19	7-28-09	9:06	Soil	1		ICE	X						
B159-1.0	-20		9:06					X			X			
B159-2.5	-21		9:09					X						
B159-5.0	-22		9:11					X						
A159-0.5	-23		9:18					X						
A159-1.0	-24		9:18					X						
A159-2.5	-25		9:21					X						
A159-5.0	-26		9:23					X						
B160-0.5	-27		9:30					X						
B160-1.0	-28		9:30					X						
B160-2.5	-29		9:33					X						
B160-5.0	-30		9:35					X						
A160-0.5	-31		9:46					X						
A160-1.0	-32		9:46					X						
A160-2.5	-33		9:50					X			X			

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 7/30/09 0850
Relinquished by:	Received by:	Date & Time: 7/30/09 13:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-29-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
A660 - 0.5	0f0730-34	7-29-09	9:54	Soil	1		ICE	X											
A660 - 1.0	-35		9:54					X											
A660 - 2.5	-36		9:59 10:12					X				X							
B161 - 0.5	-37		10:12					X											
B161 - 1.0	-38		10:12					X											
B161 - 2.5	-39		10:15					X											
B161 - 5.0	-40		10:18					X											
A161 - 0.5	-41		10:28					X											
A161 - 1.0	-42		10:28					X											
A161 - 2.5	-43		10:31					X											
A161 - 5.0	-44		10:35					X											
A161 - B162-0.5	-45		10:50					X											
B162-1.0	-46		10:50					X											
B162-2.5	-47		10:53					X											
B162-5.0	-48	↓	10:56	↓	↓		↓	X											

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/30/09 0850
Relinquished by:	Received by:	Date & Time: 7/30/09 1:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-29-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A162-0.5	0p0730-4P	7-29-09	11:12	Soil	1		ICE	X						
A162-1.0	-50		11:12					X						
A162-2.5	-51		11:15					X						
A162-5.0	-52		11:17					X						
B163-0.5	-53		11:29					X						
B163-1.0	-54		11:29					X						
B163-2.5	-55		11:36					X			X			
B163-5.0	-56		11:50					X						
A163-0.5	-57		12:43					X						
A163-1.0	-58		12:43					X						
A163-2.5	-59		12:46					X						
A163-5.0	-60		12:49					X						
B164-0.5	-61		12:58					X						
B164-1.0	-62		12:58					X						
B164-2.5	-63	↓	13:01	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 7/30/09 0850	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 7/30/09 12:10 PM	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-29-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B164-5.0	0[illegible]30-64	7-29-09	13:03	Soil	1		ICE	X										
A164-0.5	-65		13:12					X										
A164-1.0	-66		13:12					X										
A164-2.5	-67		13:14					X				X						
A164-5.0	-68		13:16	↓				X										
E035	-69		13:18	WATER				X										
B165-0.5	-70		13:27	Soil				X										
B165-1.0	-71		13:27					X				X						
B165-2.5	-72		13:30					X										
B165-5.0	-73		13:32					X										
A165-0.5	-74		13:40					X										
A165-1.0	-75		13:40					X										
A165-2.5	-76		13:43					X										
A165-5.0	-77		13:45					X										
B166-0.5	-78	↓	13:55	↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 7/30/09 0850	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 7/30/09 12:40	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-29-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045								COMMENTS
								Analysis Required												
B166-1.0	0706130-79	7-29-05	13:55	Soil	1		ICE	X												
B166-2.5	-80	↓	13:58	↓	↓		↓	X												
B166-5.0	-81	↓	14:00	↓	↓		↓	X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/30/05 0852	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-29-05

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: August 10, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090731-60 through -125**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on July 31, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/31/09
SAMPLING DATE: 07/30/09 DATE ANALYZED: 07/31/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/10/09

---

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A169-1.0	090731-88	7.09
A171-1.0	090731-104	7.52
A173-1.0	090731-124	7.73

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					#VALUE!	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	7/31/2009	090731-124	7.73	7.75	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/28/2009	090728-76	7092	6944	2.1%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/31/2009	LCS1/2	200	0.0	0-20	80-120	165	83%	165	83%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/28/2009	LCS1/2	10.0	0.000	0-20	80-120	8.77	88%	8.93	89%	1.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/31/2009	090728-75	200	19.6	0-20	80-120	196	88%	198	89%	1.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/29/2009	LCS1/2	667	0.0	0-20	80-120	671	101%	679	102%	1.2%
Sulfide, Reactive	mg/Kg	7/17/2009	090713-16	3.0	0.0	0-20	80-120	2.67	89%	2.77	92%	3.3%
EPA 1664A	mg/Kg	6/2/2009	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: WP

Final Reviewer: R

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/31/09
SAMPLING DATE:07/30/09 DATE ANALYZED:08/09/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/10/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A166-0.5	090731-60	7.48	1
A166-1.0	090731-61	21.8	1
A166-2.5	090731-62	3.41	1
A166-5.0	090731-63	3.59	1
B167-0.5	090731-64	12.5	1
B167-1.0	090731-65	5.94	1
B167-2.5	090731-66	6.52	1
B167-5.0	090731-67	1.95	1
B667-0.5	090731-68	13.9	1
B667-1.0	090731-69	4.84	1
B667-2.5	090731-70	64.2 *	1
B667-5.0	090731-71	1.88	1
A167-0.5	090731-72	6.61	1
A167-1.0	090731-73	9.21	1
A167-2.5	090731-74	5.30	1
A167-5.0	090731-75	7.11	1
B168-0.5	090731-76	10.4	1
B168-1.0	090731-77	5.31	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/31/09
SAMPLING DATE: 07/30/09 DATE ANALYZED: 08/09/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/10/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B168-2.5	090731-78	5.89	1
B168-5.0	090731-79	5.46	1
A168-0.5	090731-80	5.33	1
A168-1.0	090731-81	2.39	1
A168-2.5	090731-82	7.55	1
B169-0.5	090731-83	39.8	1
B169-1.0	090731-84	1.53	1
B169-2.5	090731-85	1.74	1
B169-5.0	090731-86	5.61	1
A169-0.5	090731-87	2.20	1
A169-1.0	090731-88	5.78	1
A169-2.5	090731-89	4.69	1
A169-5.0	090731-90	3.11	1
B170-0.5	090731-91	14.8	1
B170-1.0	090731-92	ND	1
B170-2.5	090731-93	6.60	1
B170-5.0	090731-94	1.74	1
A170-0.5	090731-95	10.1	1
A170-1.0	090731-96	2.52	1
A170-2.5	090731-97	2.18	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/31/09
SAMPLING DATE: 07/30/09 DATE ANALYZED: 08/09/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/10/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A170-5.0	090731-98	0.778	1
B171-0.5	090731-99	11.3	1
B171-1.0	090731-100	1.64	1
B171-2.5	090731-101	1.21	1
B171-5.0	090731-102	1.58	1
A171-0.5	090731-103	10.4	1
A171-1.0	090731-104	2.56	1
A171-2.5	090731-106	2.04	1
A171-5.0	090731-107	2.82	1
B172-0.5	090731-108	3.26	1
B172-1.0	090731-109	1.59	1
B172-2.5	090731-110	1.19	1
B172-5.0	090731-111	1.64	1
A172-0.5	090731-112	2.05	1
A172-1.0	090731-113	2.31	1
A172-2.5	090731-114	16.2	1
A172-5.0	090731-115	2.21	1
A672-0.5	090731-116	19.7	1
A672-1.0	090731-117	7.44	1
A672-2.5	090731-118	1.19	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/31/09
SAMPLING DATE: 07/30/09 DATE ANALYZED: 08/09/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/10/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A672-5.0	090731-119	1.32	1
B173-0.5	090731-120	0.563	1
B173-1.0	090731-121	ND	1
B173-2.5	090731-122	ND	1
A173-0.5	090731-123	23.0	1
A173-1.0	090731-124	ND	1
A173-2.5	090731-125	ND	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

(P.1 of 4)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/9/2009 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
Lead (Pb)	090730-80	1.00	100	PASS	5.21	50.0	53.3	96%	52.3	94%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

(P. 2 of 2)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/9/2009

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
Lead (Pb)	090731-79	1.00	98	PASS	5.46	50.0	51.5	92%	50.8	91%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/9/2009 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
Lead (Pb)	090731-109	1.00	100	PASS	0.778	50.0	47.1	93%	47.0	92%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/9/2009 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
Lead (Pb)	090731-119	1.00	100	PASS	1.32	50.0	46.1	90%	45.7	89%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:LIQUID DATE RECEIVED:07/31/09
SAMPLING DATE:07/30/09 DATE ANALYZED:08/03/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/10/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E036	090731-105	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/3/2009 — **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
Copper (Cu)	090730-69	1.00	106	PASS	0	1.00	0.959	96%	0.951	95%	1%
Lead (Pb)	090730-69	1.00	102	PASS	0	1.00	0.907	91%	0.904	90%	0%
Zinc (Zn)	090730-69	1.00	104	PASS	0	1.00	0.918	92%	0.908	91%	1%

ANALYSIS DATE. : 7/30/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	0907279-1	0.00250	91.6	PASS	0	0.00250	0.00204	82%	0.00215	86%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Date: August 12, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090731-60 through -125**

Dear Ms. Stout:

The **STLC-Pb result** for the soil and water samples, received by our lab on July 31, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/31/09
SAMPLING DATE:07/30/09 DATE ANALYZED:08/10-12/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/12/09

EPA 6010B FOR STLC-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B667-2.5	090731-70	2.97	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/12/2009 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
Chromium (Cr)	090803-29	1.00	98	*PASS*	*0*	5.00	4.75	95%	4.73	95%	0%
Copper (Cu)	090803-29	1.00	98	*PASS*	*0.510*	5.00	5.73	104%	5.71	104%	0%
Lead (Pb)	090803-29	1.00	99	*PASS*	*1.26*	5.00	5.99	95%	6.00	95%	0%

ANALYSIS DATE: 8/10/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090807-102	0.0125	95.7	*PASS*	*0*	0.0125	0.0108	86%	0.0112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A166-0.5	690731-60	7-30-09	9:09	Soil	1		ICE	X										
A166-1.0	61		9:09					X										
A166-2.5	62		9:11					X										
A166-5.0	63		9:19					X										
B167-0.5	64		9:30					X										
B167-1.0	65		9:30					X										
B167-2.5	66		9:32					X										
B167-5.0	67		9:35					X										
B667-0.5	68		9:37					X										
B667-1.0	69		9:37					X										
B667-2.5	70		9:40					X										
B667-5.0	71		9:43					X										
A167-0.5	72		9:57					X										
A167-1.0	73		9:57					X										
A167-2.5	74	↓	10:00	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:		Received by:	Date & Time: 7/31/09 1045
Relinquished by:		Received by:	Date & Time: 7/31/09 1253
Relinquished by:		Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-30-09

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
☒ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A167 - 5.0	0831-75	7-30-09	10:04	Soil	1		ice	X										
B168 - 0.5	76		10:15					X										
B168 - 1.0	77		10:15					X										
B168 - 2.5	78		10:18					X										
B168 - 5.0	79		10:20					X										
A168 - 0.5	80		10:34					X										
A168 - 1.0	81		10:34					X										
A168 - 2.5	82		10:36					X										
B169 - 0.5	83		10:49					X										
B169 - 1.0	84		10:49					X										
B169 - 2.5	85		10:51					X										
B169 - 5.0	86		10:53					X										
A169 - 0.5	87		11:09					X										
A169 - 1.0	88		11:09					X				X						
A169 - 2.5	89	↓	11:11	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	7/31/09 Date & Time: 1045	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	7/31/09 Date & Time: 1255	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-30-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045							Misc.	COMMENTS
								Analysis Required												
A169-5.0	0731-90	7-30-09	11:13	So. 1	1		ICE	X												
B170-0.5	91		11:25					X												
B170-1.0	92		11:25					X												
B170-2.5	93		11:27					X												
B170-5.0	94		11:29					X												
A170-0.5	95		12:34					X												
A170-1.0	96		12:34					X												
A170-2.5	97		12:37					X												
A170-5.0	98		12:39					X												
B171-0.5	99		12:49					X												
B171-1.0	100		12:49					X												
B171-2.5	101		12:52					X												
B171-5.0	102		12:55					X												
A171-0.5	103		13:05					X												
A171-1.0	104	↓	13:05	↓	↓		↓	X				X								

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 7/31/09 1045
Relinquished by:	Received by:	Date & Time: 7/31/09 1855
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-30-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
E036	090731-105	7-30-09	12:56	WATER	1		ICE	X										
A171 - 2.5	106		13:09	Soil				X										
A171 - 5.0	107		13:11					X										
B172 - 0.5	108		13:23					X										
B172 - 1.0	109		13:23					X										
B172 - 2.5	110		13:26					X										
B172 - 5.0	111		13:29					X										
A172 - 0.5	112		13:37					X										
A172 - 1.0	113		13:37					X										
A172 - 2.5	114		13:39					X										
A172 - 5.0	115		13:42					X										
A672 - 0.5	116		13:44					X										
A672 - 1.0	117		13:44					X										
A672 - 2.5	118		13:48					X										
A672 - 5.0	119	↓	13:49	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 7/31/09 1045	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 7/31/09 1033	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07.30.09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B173-0.5	090731-120	7-30-09	13:58	Soil	1		ICE	X										
B173-1.0	121		13:58					X										
B173-2.5	122		14:02					X										
A173-0.5	123		14:09					X										
A173-1.0	124		14:09					X				X						
A173-2.5	125		14:15					X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:		Received by:	Date & Time: 7/31/09 1045
Relinquished by:		Received by:	Date & Time: 7/31/09 1255
Relinquished by:		Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-30-09

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: August 11, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090803-1 through -45**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on August 3, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

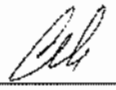
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/03/09
SAMPLING DATE: 07/31/09 DATE ANALYZED: 08/03/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A174-1.0	090803-6	7.53
B175-5.0	090803-12	7.99
B675-5.0	090803-16	8.02
B181-2.5	090803-44	7.97

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	8/3/2009	090803-44	7.97	7.98	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/28/2009	090728-76	7092	6944	2.1%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/31/2009	LCS1/2	200	0.0	0-20	80-120	165	83%	165	83%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/28/2009	LCS1/2	10.0	0.000	0-20	80-120	8.77	88%	8.93	89%	1.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/31/2009	090728-75	200	19.6	0-20	80-120	196	88%	198	89%	1.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/29/2009	LCS1/2	667	0.0	0-20	80-120	671	101%	679	102%	1.2%
Sulfide, Reactive	mg/Kg	7/17/2009	090713-16	3.0	0.0	0-20	80-120	2.67	89%	2.77	92%	3.3%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/03/09
SAMPLING DATE: 07/31/09 DATE ANALYZED: 08/10/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B174-0.5	090803-1	8.99	1
B174-1.0	090803-2	1.67	1
B174-2.5	090803-3	4.95	1
B174-5.0	090803-4	3.51	1
A174-0.5	090803-5	31.6	1
A174-1.0	090803-6	1.50	1
A174-2.5	090803-7	1.54	1
A174-5.0	090803-8	1.76	1
B175-0.5	090803-9	5.78	1
B175-1.0	090803-10	1.07	1
B175-2.5	090803-11	0.641	1
B175-5.0	090803-12	3.63	1
B675-0.5	090803-13	2.91	1
B675-1.0	090803-14	1.93	1
B675-2.5	090803-15	0.952	1
B675-5.0	090803-16	1.13	1
A175-0.5	090803-17	27.6	1
A175-1.0	090803-18	1.63	1
A175-2.5	090803-19	1.71	1
A175-5.0	090803-20	1.96	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:08/03/09
SAMPLING DATE:07/31/09 DATE ANALYZED:08/10/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A675-0.5	090803-21	34.1	1
A675-1.0	090803-22	2.03	1
A675-2.5	090803-23	2.31	1
A675-5.0	090803-24	3.56	1
B176-0.5	090803-25	23.7	1
B176-1.0	090803-26	2.13	1
B176-2.5	090803-27	0.759	1
B176-5.0	090803-28	3.66	1
A176-0.5	090803-29	58.0 *	1
A176-1.0	090803-30	2.14	1
A176-2.5	090803-31	2.59	1
A176-5.0	090803-32	1.44	1
B177-0.5	090803-34	1.77	1
B177-1.0	090803-35	4.15	1
B177-2.5	090803-36	1.42	1
B177-5.0	090803-37	4.52	1
A180-0.5	090803-38	9.15	1
A180-1.0	090803-39	1.68	1
A180-2.5	090803-40	2.04	1
A180-5.0	090803-41	1.41	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/03/09
SAMPLING DATE: 07/31/09 DATE ANALYZED: 08/10/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B181-0.5	090803-42	20.7	1
B181-1.0	090803-43	2.13	1
B181-2.5	090803-44	4.87	1
B181-5.0	090803-45	5.22	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009 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
Lead (Pb)	090803-2	1.00	96	PASS	1.67	50.0	50.9	98%	51.9	100%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009 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
Lead (Pb)	090803-22	1.00	99	PASS	2.03	50.0	50.5	97%	50.7	97%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009 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
Lead (Pb)	090803-43	1.00	99	PASS	2.13	50.0	49.6	95%	49.2	94%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: D

FINAL REVIEWER: CH

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

LABORATORY REPORT

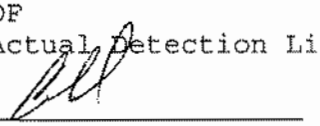
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: LIQUID DATE RECEIVED: 08/03/09
SAMPLING DATE: 07/31/09 DATE ANALYZED: 08/07/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E037	090803-33	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/7/2009 — **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
Copper (Cu)	090731-227	1.00	100	PASS	0	1.00	0.996	100%	0.987	99%	1%
Lead (Pb)	090731-227	1.00	103	PASS	0	1.00	0.952	95%	0.930	93%	2%
Zinc (Zn)	090731-227	1.00	101	PASS	0	1.00	0.986	99%	0.970	97%	2%

ANALYSIS DATE. : 8/5/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090804-161	0.00250	93.7	PASS	0	0.00250	0.00218	87%	0.00211	84%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Date: August 12, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090803-1 through -45**

Dear Ms. Stout:

The **STLC-Pb results** for the soil and water samples, received by our lab on August 3, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:08/03/09
SAMPLING DATE:07/31/09 DATE ANALYZED:08/10-12/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/12/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A176-0.5	090803-29	1.26	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/12/2009 **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
Chromium (Cr)	090803-29	1.00	98	PASS	0	5.00	4.75	95%	4.73	95%	0%
Copper (Cu)	090803-29	1.00	98	PASS	0.510	5.00	5.73	104%	5.71	104%	0%
Lead (Pb)	090803-29	1.00	99	PASS	1.26	5.00	5.99	95%	6.00	95%	0%

ANALYSIS DATE: 8/10/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090807-102	0.0125	95.7	PASS	0	0.0125	0.0108	86%	0.0112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
~~B174-0.5~~ B174-0.5	0708037-1	7-31-09	9:04	Soil	1		ICE	X											
B174-1.0	-2		9:04					X											
B174-2.5	-3		9:07					X											
B174-5.0	-4		9:11					X											
A174-0.5	-5		9:18					X											
A174-1.0	-6		9:18					X				X							
A174-2.5	-7		9:22					X											
A174-5.0	-8		9:25					X											
B175-0.5	-9		9:37					X											
B175-1.0	-10		9:37					X											
B175-2.5	-11		9:40					X											
B175-5.0	-12		9:43					X				X							
B675-0.5	-13		9:45					X											
B675-1.0	-14		9:45					X											
B675-2.5	-15	↓	9:48	↓	↓		↓	X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 8/3/09 0730	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 8/3/09 9:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-31-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B675-5.0	070803-16	7-31-09	9:51	Soil	1		ICE	X			X			
A175-0.5	-17		10:06					X						
A175-1.0	-18		10:06					X						
A175-2.5	-19		10:08					X						
A175-5.0	-20		10:11					X						
A675-0.5	-21		10:19					X						
A675-1.0	-22		10:19					X						
A675-2.5	-23		10:16					X						
A675-5.0	-24		10:18					X						
B176-0.5	-25		10:35					X						
B176-1.0	-26		10:35					X						
B176-2.5	-27		10:37					X						
B176-5.0	-28		10:41					X						
A176-0.5	-29		10:53					X						
A176-1.0	-30	↓	10:53	↓	↓		↓	X						

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 8/3/09 0730
Relinquished by:	Received by:	Date & Time: 8/3/09 0:07
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-31-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A176-2.5	0708031	7-31-09	10:55	Soil	1		ICE	X										
A176-5.0	-32		10:57	↓				X										
E037	-33		10:58	WATER				X										
B177-0.5	-34		11:13	Soil				X										
B177-1.0	-35		11:13					X										
B177-2.5	-36		11:16					X										
B177-5.0	-37		11:18					X										
A180-0.5	-38		11:35					X										
A180-1.0	-39		11:35					X										
A180-2.5	-40		11:46					X										
A180-5.0	-41		11:48					X										
B181-0.5	-42		11:55					X										
B181-1.0	-43		11:55					X										
B181-2.5	-44		11:58					X				X						
B181-5.0	-45	↓	12:00	↓	↓		↓	X										

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:

Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 8/3/09 0731
Relinquished by:	Received by: WP	Date & Time: 8/3/09 9:50
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 07-31-09

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: August 11, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090804-22 through -93**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on August 4, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

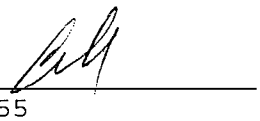
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/04/09
SAMPLING DATE: 08/03/09 DATE ANALYZED: 08/04/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A196-1.0	090804-55	5.84
B206-5.0	090804-93	7.02

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	8/4/2009	090804-148	7.38	7.40	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	7/28/2009	090728-76	7092	6944	2.1%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	7/31/2009	LCS1/2	200	0.0	0-20	80-120	165	83%	165	83%	0.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/28/2009	LCS1/2	10.0	0.000	0-20	80-120	8.77	88%	8.93	89%	1.6%
Fluoride	mg/Kg	2/13/2009	LCS1/2	10.0	0.000	0-20	80-120	10.4	104%	9.84	98%	5.6%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	7/31/2009	090728-75	200	19.6	0-20	80-120	196	88%	198	89%	1.0%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	7/29/2009	LCS1/2	667	0.0	0-20	80-120	671	101%	679	102%	1.2%
Sulfide, Reactive	mg/Kg	8/7/2009	090803-61	3.0	0.0	0-20	80-120	2.57	86%	2.66	89%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/04/09
SAMPLING DATE: 08/03/09 DATE ANALYZED: 08/10/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A181-0.5	090804-22	79.9 *	1
A181-1.0	090804-23	2.29	1
A181-2.5	090804-24	1.71	1
A181-5.0	090804-25	1.63	1
B182-0.5	090804-26	4.15	1
B182-1.0	090804-27	4.22	1
B182-2.5	090804-28	3.42	1
B182-5.0	090804-29	2.79	1
A193-0.5	090804-30	4.16	1
A193-1.0	090804-31	3.69	1
A193-2.5	090804-32	4.56	1
A193-5.0	090804-33	3.84	1
B194-0.5	090804-34	2.77	1
B194-1.0	090804-35	2.58	1
B194-2.5	090804-36	2.97	1
B194-5.0	090804-37	3.80	1
A194-0.5	090804-38	72.0 *	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/04/09
SAMPLING DATE: 08/03/09 DATE ANALYZED: 08/10/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A194-1.0	090804-39	4.22	1
A194-2.5	090804-40	5.48	1
A194-5.0	090804-41	5.03	1
A694-0.5	090804-42	54.3 *	1
A694-1.0	090804-43	5.96	1
A694-2.5	090804-44	4.11	1
A694-5.0	090804-45	6.11	1
B195-0.5	090804-46	9.70	1
B195-1.0	090804-47	3.06	1
B195-2.5	090804-48	3.49	1
B195-5.0	090804-49	3.50	1
B695-0.5	090804-50	19.8	1
B695-1.0	090804-51	3.97	1
B695-2.5	090804-52	3.31	1
B695-5.0	090804-53	4.53	1
A196-0.5	090804-54	4.96	1
A196-1.0	090804-55	1.54	1
A196-2.5	090804-56	13.9	1
A196-5.0	090804-57	3.80	1
B197-0.5	090804-58	6.56	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/04/09
SAMPLING DATE: 08/03/09 DATE ANALYZED: 08/10/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B197-1.0	090804-59	3.24	1
B197-2.5	090804-60	4.76	1
B197-5.0	090804-61	3.91	1
A197-0.5	090804-62	20.3	1
A197-1.0	090804-63	5.90	1
A197-2.5	090804-64	4.16	1
A197-5.0	090804-65	8.65	1
B198-0.5	090804-66	7.34	1
B198-1.0	090804-67	2.37	1
B198-2.5	090804-68	2.74	1
B198-5.0	090804-69	2.06	1
A198-0.5	090804-70	4.76	1
A198-1.0	090804-71	3.34	1
A198-2.5	090804-72	3.93	1
A198-5.0	090804-73	4.24	1
B199-0.5	090804-74	11.7	1
B199-1.0	090804-75	4.05	1
B199-2.5	090804-76	4.30	1
B199-5.0	090804-77	5.56	1
B205-0.5	090804-78	44.9	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/04/09
SAMPLING DATE: 08/03/09 DATE ANALYZED: 08/10/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B205-1.0	090804-79	2.34	1
B205-2.5	090804-80	1.17	1
B205-5.0	090804-81	3.15	1
B705-0.5	090804-82	55.4 *	1
B705-1.0	090804-83	2.88	1
B705-2.5	090804-84	1.47	1
A205-0.5	090804-86	22.9	1
A205-1.0	090804-87	1.22	1
A205-2.5	090804-88	1.53	1
A205-5.0	090804-89	3.04	1
B206-0.5	090804-90	69.0 *	1
B206-1.0	090804-91	1.58	1
B206-2.5	090804-92	1.67	1
B206-5.0	090804-93	1.57	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009 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
Lead (Pb)	090804-23	1.00	98	PASS	2.29	50.0	52.8	101%	53.2	102%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: D

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009 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
Lead (Pb)	090804-39	1.00	97	PASS	4.22	50.0	54.6	101%	54.7	101%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009 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
Lead (Pb)	090804-59	1.00	96	PASS	3.24	50.0	56.7	107%	57.6	109%	2%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009 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
Lead (Pb)	090804-79	1.00	97	PASS	2.34	50.0	53.6	103%	53.8	103%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:LIQUID DATE RECEIVED:08/04/09
SAMPLING DATE:08/03/09 DATE ANALYZED:08/07/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/11/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E038	090804-85	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/7/2009 — **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
Copper (Cu)	090731-227	1.00	100	PASS	0	1.00	0.996	100%	0.987	99%	1%
Lead (Pb)	090731-227	1.00	103	PASS	0	1.00	0.952	95%	0.930	93%	2%
Zinc (Zn)	090731-227	1.00	101	PASS	0	1.00	0.986	99%	0.970	97%	2%

ANALYSIS DATE. : 8/5/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090804-161	0.00250	93.7	PASS	0	0.00250	0.00218	87%	0.00211	84%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Date: August 12, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090804-22 through -93**

Dear Ms. Stout:

The **STLC-Pb results** for the soil and water samples, received by our lab on August 4, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:08/04/09
SAMPLING DATE:08/03/09 DATE ANALYZED:08/10-12/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/12/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A181-0.5	090804-22	1.72	1
A194-0.5	090804-38	2.20	1
A694-0.5	090804-42	1.31	1
B705-0.5	090804-82	2.48	1
B206-0.5	090804-90	1.87	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/12/2009 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
Chromium (Cr)	090803-29	1.00	98	PASS	0	5.00	4.75	95%	4.73	95%	0%
Copper (Cu)	090803-29	1.00	98	PASS	0.510	5.00	5.73	104%	5.71	104%	0%
Lead (Pb)	090803-29	1.00	99	PASS	1.26	5.00	5.99	95%	6.00	95%	0%

ANALYSIS DATE: 8/10/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090807-102	0.0125	95.7	PASS	0	0.0125	0.0108	86%	0.0112	90%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
A181-0.5	OP0804-22	8-3-09	9:08	Soil	1		ICE	X						
A181-1.0	-23		9:08					X						
A181-2.5	-24		9:10					X						
A181-5.0	-25		9:12					X						
B182-0.5	-26		9:20					X						
B182-1.0	-27		9:20					X						
B182-2.5	-28		9:22					X						
B182-5.0	-29		9:25					X						
A193-0.5	-30		9:41					X						
A193-1.0	-31		9:41					X						
A193-2.5	-32		9:43					X						
A193-5.0	-33		9:45					X						
B194-0.5	-34		9:54					X						
B194-1.0	-35		9:54					X						
B194-2.5	-36		9:56					X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	8/4/09 0900	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-03-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B194-5.0	090804-37	8-3-09	9:58	So.1	1		ICE	X						
A194-0.5	-38		10:06					X						
A194-1.0	-39		10:04					X						
A194-2.5	-40		10:08					X						
A194-5.0	-41		10:10					X						
A694-0.5	-42		10:12					X						
A694-1.0	-43		10:12					X						
A694-2.5	-44		10:19					X						
A694-5.0	-45		10:21					X						
B195-0.5	-46		10:33					X						
B195-1.0	-47		10:33					X						
B195-2.5	-48		10:35					X						
B195-5.0	-49		10:37					X						
B695-0.5	-50		10:41					X						
B695-1.0	-51	↓	10:41	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 8/4/09 0010
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-03-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B695-2.5	090804-52	8-3-09	10:43	Soil	1		ICE	X										
B695-5.0	-53	"	10:45	"	"		"	X										
A196-0.5	-54		10:57					X										
A196-1.0	-55		10:57					X				X						
A196-2.5	-56		10:59					X										
A196-5.0	-57		11:02					X										
B197-0.5	-58		11:12					X										
B197-1.0	-59		11:12					X										
B197-2.5	-60		11:14					X										
B197-5.0	-61		11:16					X										
A197-0.5	-62		11:32					X										
A197-1.0	-63		11:32					X										
A197-2.5	-64		11:34					X										
A197-5.0	-65		11:36					X										
B198-0.5	-66	↓	12:35	↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 8/4/09 0900
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-03-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B198-1.0	090804-67	8-3-09	12:35	Soil	1		ICE	X										
B198-2.5	-68		12:36					X										
B198-5.0	-69		12:38					X										
A198-0.5	-70		12:45					X										
A198-1.0	-71		12:45					X										
A198-2.5	-72		12:49					X										
A198-5.0	-73		12:52					X										
B199-0.5	-74		13:00					X										
B199-1.0	-75		13:00					X										
B199-2.5	-76		13:03					X										
B199-5.0	-77		13:05					X										
B205-0.5	-78		13:30					X										
B205-1.0	-79		13:30					X										
B205-2.5	-80		17:33					X										
B205-5.0	-81	↓	13:35	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	8/4/09 0900	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-03-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B705- 0.5	090804-82	8-3-09	13:38	Soil	1		ICE	X						
B705- 1.0	-83		13:38					X						
B705- 2.5	-84		13:40					X						
[illegible]		[illegible]						X						
E038	-85		13:44	WATER				X						
A205- 0.5	-86		14:00	Soil				X						
A205- 1.0	-87		14:00					X						
A205- 2.5	-88		14:02					X						
A205- 5.0	-89		14:05					X						
B206- 0.5	-90		14:13					X						
B206- 1.0	-91		14:13					X						
B206- 2.5	-92		14:15					X						
B206- 5.0	-93		14:17					X				X		
								X						
								X						

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:

Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 8/4/09 0950
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-03-09

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: August 11, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090805-6 through -66**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on August 5, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

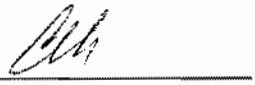
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/05/09
SAMPLING DATE: 08/04/09 DATE ANALYZED: 08/05/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A207-1.0	090805-15	6.95
B208-2.5	090805-20	6.63
B210-2.5	090805-36	6.65
B217-0.5	090805-42	7.07
B218-2.5	090805-53	7.12
A218-2.5	090805-57	7.22

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: SOLID/SOIL

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	8/5/2009	090805-57	7.22	7.21	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	8/4/2009	090804-148	5051	4950	2.0%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	8/7/2009	LCS1/2	200	18.9	0-20	80-120	197	89%	187	84%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/28/2009	LCS1/2	10.0	0.000	0-20	80-120	8.77	88%	8.93	89%	1.6%
Fluoride	mg/Kg	8/7/2009	LCS1/2	10.0	0.000	0-20	80-120	9.73	97%	10.3	103%	5.7%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	8/7/2009	LCS1/2	200	0.0	0-20	80-120	170	85%	173	87%	1.5%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	8/4/2009	LCS1/2	667	0.0	0-20	80-120	718	108%	712	107%	0.9%
Sulfide, Reactive	mg/Kg	8/7/2009	090803-61	3.0	0.0	0-20	80-120	2.57	86%	2.66	89%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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.
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:08/05/09
SAMPLING DATE:08/04/09 DATE ANALYZED:08/10/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A206-0.5	090805-6	4.43	1
A206-1.0	090805-7	1.80	1
A206-2.5	090805-8	1.51	1
A206-5.0	090805-9	1.04	1
B207-0.5	090805-10	15.3	1
B207-1.0	090805-11	5.58	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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**
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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/05/09
SAMPLING DATE: 08/04/09 DATE ANALYZED: 08/10/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B207-2.5	090805-12	1.93	1
B207-5.0	090805-13	7.75	1
A207-0.5	090805-14	49.2	1
A207-1.0	090805-15	2.27	1
A207-2.5	090805-16	2.01	1
A207-5.0	090805-17	2.27	1
B208-0.5	090805-18	16.3	1
B208-1.0	090805-19	2.70	1
B208-2.5	090805-20	14.3	1
B208-5.0	090805-21	3.00	1
A208-0.5	090805-22	3.01	1
A208-1.0	090805-23	1.68	1
A208-2.5	090805-24	37.7	1
A208-5.0	090805-25	2.26	1
B209-0.5	090805-26	7.39	1
B209-1.0	090805-27	2.31	1
B209-2.5	090805-28	2.68	1
B209-5.0	090805-29	2.27	1
A209-0.5	090805-30	96.6 *	1
A209-1.0	090805-31	1.95	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
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TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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LABORATORY REPORT

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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/05/09
SAMPLING DATE: 08/04/09 DATE ANALYZED: 08/11/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A209-2.5	090805-32	3.40	1
A209-5.0	090805-33	3.21	1
B210-0.5	090805-34	3.23	1
B210-1.0	090805-35	1.55	1
B210-2.5	090805-36	3.08	1
B210-5.0	090805-37	2.19	1
A216-0.5	090805-38	12.8	1
A216-1.0	090805-39	3.66	1
A216-2.5	090805-40	2.03	1
A216-5.0	090805-41	2.62	1
B217-0.5	090805-42	7.04	1
B217-1.0	090805-43	2.65	1
B217-2.5	090805-44	3.95	1
B217-5.0	090805-45	4.50	1
A217-0.5	090805-46	22.5	1
A217-1.0	090805-47	4.79	1
A217-2.5	090805-48	4.01	1
A217-5.0	090805-49	4.19	1
B218-0.5	090805-51	19.4	1
B218-1.0	090805-52	4.86	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
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TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/05/09
SAMPLING DATE: 08/04/09 DATE ANALYZED: 08/11/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B218-2.5	090805-53	9.41	1
B218-5.0	090805-54	3.91	1
A218-0.5	090805-55	3.70	1
A218-1.0	090805-56	3.24	1
A218-2.5	090805-57	2.94	1
A218-5.0	090805-58	3.06	1
B219-0.5	090805-59	3.99	1
B219-1.0	090805-60	3.34	1
B219-2.5	090805-61	4.54	1
B219-5.0	090805-62	3.95	1
A219-0.5	090805-63	39.1	1
A219-1.0	090805-64	3.49	1
A219-2.5	090805-65	3.14	1
A219-5.0	090805-66	3.44	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/11/2009 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
Lead (Pb)	090805-32	1.00	102	PASS	3.40	50.0	55.9	105%	56.0	105%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/11/2009 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
Lead (Pb)	090805-53	1.00	99	PASS	1.82	50.0	51.5	99%	50.8	98%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009 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
Lead (Pb)	090804-79	1.00	97	PASS	2.34	50.0	53.6	103%	53.8	103%	0%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/10/2009

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
Lead (Pb)	090805-12	1.00	98	PASS	1.93	50.0	52.5	101%	52.2	101%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: LIQUID DATE RECEIVED: 08/05/09
SAMPLING DATE: 08/04/09 DATE ANALYZED: 08/07/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/11/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E039	090805-50	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/7/2009 — **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
Copper (Cu)	090731-227	1.00	100	PASS	0	1.00	0.996	100%	0.987	99%	1%
Lead (Pb)	090731-227	1.00	103	PASS	0	1.00	0.952	95%	0.930	93%	2%
Zinc (Zn)	090731-227	1.00	101	PASS	0	1.00	0.986	99%	0.970	97%	2%

ANALYSIS DATE. : 8/5/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090804-161	0.00250	93.7	PASS	0	0.00250	0.00218	87%	0.00211	84%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Date: August 25, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090805-6 through -66**

Dear Ms. Stout:

The **STLC-Pb results** for the soil and water samples, received by our lab on August 5, 2009, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Eric Lu, Ph.D.
Chief Chemist

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LABORATORY REPORT

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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/05/09
SAMPLING DATE: 08/04/09 DATE ANALYZED: 08/12-14/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/25/09

EPA 6010B FOR STLC-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A209-0.5	090805-30	4.97	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/14/2009 — **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
Chromium (Cr)	090730-31	1.00	100	*PASS*	*0*	5.00	5.13	103%	5.13	103%	0%
Copper (Cu)	090730-31	1.00	108	*PASS*	*0.353*	5.00	6.07	114%	6.05	114%	0%
Lead (Pb)	090730-31	1.00	99	*PASS*	*0*	5.00	5.01	100%	5.06	101%	1%

ANALYSIS DATE: 8/14/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090810-15	0.0125	92.4	*PASS*	*0*	0.0125	0.0114	91%	0.0110	88%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A206-0.5	0P0805-6	8.4.09	9:13	Soil	1	-	ICE	X										
A206-1.0	-7		9:13					X										
A206-2.5	-8		9:17					X										
A206-5.0	-9		9:20					X										
B207-0.5	-10		9:29					X										
B207-1.0	-11		9:29					X										
B207-2.5	-12		9:31					X										
B207-5.0	-13		9:34					X										
A207-0.5	-14		9:46					X										
A207-1.0	-15		9:46					X				X						
A207-2.5	-16		9:51					X										
A207-5.0	-17		9:55					X										
B208-0.5	-18		10:07					X										
B208-1.0	-19		10:07					X										
B208-2.5	-20		10:09					X				X						

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:		Received by:	8/5/09 Date & Time: 0700
Relinquished by:		Received by:	8/5/09 Date & Time: 9:00
Relinquished by:		Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-04-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B208-5.0	0908[-21	8-4-09	10:12	Soil	1		ICE	X										
A208-0.5	-22		10:26					X										
A208-1.0	-23		10:26					X										
A208-2.5	-24		10:29					X										
A208-5.0	-25		10:31					X										
B209-0.5	-26		10:43					X										
B209-1.0	-27		10:43					X										
B209-2.5	-28		10:45					X										
B209-5.0	-29		10:47					X										
A209-0.5	-30		10:57					X										
A209-1.0	-31		10:57					X										
A209-2.5	-32		10:59					X										
A209-5.0	-33		11:01					X										
B210-0.5	-34		11:16					X										
B210-1.0	-35		11:16					X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 8/5/09 0700
Relinquished by:	Received by:	Date & Time: 8/5/09 1700
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-04-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B210 - 2.5	07885-36	8-4-09	11:18	Soil	1		ICE	X				X		
B210 - 5.0	-37	8-4-09	11:20					X						
A216 - 0.5	-38	"	11:48					X						
A216 - 1.0	-39		11:48					X						
A216 - 2.5	-40		11:51					X						
A216 - 5.0	-41		11:53					X						
B217 - 0.5	-42		12:56					X				X		
B217 - 1.0	-43		12:56					X						
B217 - 2.5	-44		12:58					X						
B217 - 5.0	-45		13:00					X						
A217 - 0.5	-46		13:08					X						
A217 - 1.0	-47		13:08					X						
A217 - 2.5	-48		13:10					X						
A217 - 5.0	-49		13:12					X						
EQ 39	-50	↓	11:55	Water	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 8/5/09 0700
Relinquished by:	Received by:	Date & Time: 8/4/09 1700
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-04-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B218-0.5	08809-51	8-4-09	13:20	Soil	1		ICE	X						
B218-1.0	-52		13:20					X						
B218-2.5	-53		13:22					X			X			
B218-5.0	-54		13:23					X						
A218-0.5	-55		13:33					X						
A218-1.0	-56		13:33					X						
A218-2.5	-57		13:39					X			X			
A218-5.0	-58		13:42					X						
B219-0.5	-59		13:50					X						
B219-1.0	-60		13:50					X						
B219-2.5	-61		13:57					X						
B219-5.0	-62		13:59					X						
A219-0.5	-63		14:08					X						
A219-1.0	-64		14:08					X						
A219-2.5	-65	↓	14:11	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 8/5/09 0700
Relinquished by:	Received by:	Date & Time: 8/5/09 4:45
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-04-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
AZ19-50	090805-66	8-4-09	14:13	Soil	1		ICE	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 8/5/09 0700	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 8/5/09 1210	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-04-09

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: August 12, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090728-7 through -54**

Dear Ms. Stout:

The **STLC/STLC-DI/TCLP-Pb results** for the soil and water samples, received by our lab on July 28, 2009, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/28/09
SAMPLING DATE: 07/27/09 DATE ANALYZED: 08/01-03/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/12/09

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A147-0.5	090728-27	9.41 ***	1
A147-2.5	090728-29	6.36 ***	1
A149-0.5	090728-47	0.479	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/3/2009

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
Chromium (Cr)	090722-87	1.00	107	PASS	0	5.00	5.07	101%	5.08	102%	0%
Copper (Cu)	090722-87	1.00	108	PASS	0	5.00	5.06	101%	5.17	103%	2%
Lead (Pb)	090722-87	1.00	113	PASS	0	5.00	5.17	103%	5.20	104%	1%

ANALYSIS DATE: 7/30/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090727-27	0.0125	92.9	PASS	0	0.0125	0.0109	87%	0.0100	80%	9%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	PASS	PASS	PASS	PASS
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/28/09
SAMPLING DATE:07/27/09 DATE ANALYZED:08/05-07/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:08/12/09

EPA 6010B FOR STLC DI-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A147-0.5	090728-27	ND	1
A147-2.5	090728-29	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/7/2009 **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
Chromium (Cr)	090728-27	1.00	104	*PASS*	*0*	5.00	5.03	101%	5.12	102%	2%
Copper (Cu)	090728-27	1.00	113	*PASS*	*0*	5.00	5.28	106%	5.26	105%	0%
Lead (Pb)	090728-27	1.00	113	*PASS*	*0*	5.00	5.58	112%	5.41	108%	3%

ANALYSIS DATE: 7/30/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090727-27	0.0125	92.9	*PASS*	*0*	0.0125	0.0109	87%	0.0100	80%	9%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium (Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

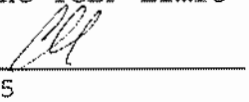
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/28/09
SAMPLING DATE: 07/27/09 DATE ANALYZED: 08/03-07/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/12/09

TCLP-LEAD ANALYSIS
(PER 40 CFR 261.24)/LIMIT @ 5.0
CONCENTRATION UNIT: MG/L IN LEACHATE

SAMPLE I.D.	LAB I.D.	TCLP-LEAD RESULT	DF
A147-0.5	090728-27	0.404	1
A147-2.5	090728-29	0.210	1
Method Blank	---	ND	1
	PQL	0.01	

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"
*** = 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: 8/7/2009 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
Cadmium (Cd)	090728-27	1.00	104	PASS	0	1.00	1.11	111%	1.08	108%	3%
Chromium (Cr)	090728-27	1.00	106	PASS	0	1.00	1.08	108%	1.02	102%	6%
Lead (Pb)	090728-27	1.00	109	PASS	0.404	1.00	1.47	107%	1.43	103%	4%

ANALYSIS DATE: 8/3/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090731-47	0.0125	95.0	PASS	0	0.0125	0.0111	89%	0.0114	91%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Cadmium (Cd)	PASS	PASS	PASS	PASS
Chromium (Cr)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Date: August 13, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090806-52 through -116**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on August 6, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/06/09
SAMPLING DATE: 08/05/09 DATE ANALYZED: 08/06/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/13/09

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
A226-5.0	090806-79	6.54
A227-0.5	090806-84	7.35
A727-0.5	090806-88	7.84
B228-5.0	090806-95	7.93
B728-5.0	090806-99	7.98
A228-1.0	090806-101	7.72
B296-1.0	090806-109	7.70

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/SOIL**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	7/8/2009	090708-172	17.7	18.0	1.7%	0-20
pH	pH units	8/6/2009	090806-109	7.70	7.68	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	175	3.4%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	8/5/2009	090805-86	1236	1229	0.6%	0-20
% MOISTURE	%	7/9/2009	090709-1	10.92	10.96	0.4%	0-20
BTU	BTU/lb					0.0%	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	8/7/2009	LCS1/2	200	18.9	0-20	80-120	197	89%	187	84%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	6/23/2009	LCS1/2	4.0	0.000	0-20	80-120	3.37	84%	3.44	86%	1.8%
Cyanide	mg/Kg	7/28/2009	LCS1/2	10.0	0.000	0-20	80-120	8.77	88%	8.93	89%	1.6%
Fluoride	mg/Kg	8/7/2009	LCS1/2	10.0	0.000	0-20	80-120	9.73	97%	10.3	103%	5.7%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/17/2008	LCS1/2	667	0	0-20	80-120	686	103%	689	103%	0.4%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	8/7/2009	LCS1/2	200	0.0	0-20	80-120	170	85%	173	87%	1.5%
Sulfide	mg/Kg	6/26/2009	090624-10	3.00	0.0	0-20	80-120	2.49	83%	2.59	86%	3.3%
TRPH	mg/Kg	8/4/2009	LCS1/2	667	0.0	0-20	80-120	718	108%	712	107%	0.9%
Sulfide, Reactive	mg/Kg	8/7/2009	090803-61	3.0	0.0	0-20	80-120	2.57	86%	2.66	89%	3.0%
EPA 1664A	mg/Kg	6/2/2009	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/06/09
SAMPLING DATE: 08/05/09 DATE ANALYZED: 08/11/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/13/09

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B220-0.5	090806-52	2.07	1
B220-1.0	090806-53	1.82	1
B220-2.5	090806-54	2.84	1
B220-5.0	090806-55	4.49	1
A220-0.5	090806-56	3.88	1
A220-1.0	090806-57	2.51	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/06/09
SAMPLING DATE: 08/05/09 DATE ANALYZED: 08/11/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/13/09

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A220-2.5	090806-58	4.99	1
A220-5.0	090806-59	0.602	1
B221-0.5	090806-60	8.87	1
B221-1.0	090806-61	3.83	1
B221-2.5	090806-62	41.2	1
B221-5.0	090806-63	4.41	1
A221-0.5	090806-64	8.77	1
A221-1.0	090806-65	3.16	1
A221-2.5	090806-66	ND	1
A221-5.0	090806-67	0.561	1
A721-0.5	090806-68	29.9	1
A721-1.0	090806-69	3.37	1
A721-2.5	090806-70	3.35	1
A721-5.0	090806-71	1.83	1
B222-0.5	090806-72	3.18	1
B222-1.0	090806-73	9.07	1
B222-2.5	090806-74	3.68	1
B222-5.0	090806-75	3.93	1
A226-0.5	090806-76	3.48	1
A226-1.0	090806-77	ND	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/06/09
SAMPLING DATE: 08/05/09 DATE ANALYZED: 08/11/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/13/09

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
A226-2.5	090806-78	4.47	1
A226-5.0	090806-79	ND	1
B227-0.5	090806-80	4.15	1
B227-1.0	090806-81	ND	1
B227-2.5	090806-82	ND	1
B227-5.0	090806-83	ND	1
A227-0.5	090806-84	6.18	1
A227-1.0	090806-85	ND	1
A227-2.5	090806-86	ND	1
A227-5.0	090806-87	ND	1
A727-0.5	090806-88	ND	1
A727-1.0	090806-89	ND	1
A727-2.5	090806-90	4.21	1
A727-5.0	090806-91	5.47	1
B228-0.5	090806-92	6.46	1
B228-1.0	090806-93	ND	1
B228-2.5	090806-94	2.22	1
B228-5.0	090806-95	ND	1
B728-0.5	090806-96	23.8	1
B728-1.0	090806-97	ND	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

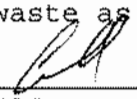
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/06/09
SAMPLING DATE: 08/05/09 DATE ANALYZED: 08/11/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/13/09

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B728-2.5	090806-98	4.84	1
B728-5.0	090806-99	ND	1
A228-0.5	090806-100	12.6	1
A228-1.0	090806-101	4.06	1
A228-2.5	090806-102	ND	1
A228-5.0	090806-103	ND	1
B229-0.5	090806-104	1.99	1
B229-1.0	090806-105	ND	1
B229-2.5	090806-106	ND	1
B229-5.0	090806-107	ND	1
B296-0.5	090806-108	4.96	1
B296-1.0	090806-109	1.96	1
B296-2.5	090806-110	3.45	1
B296-5.0	090806-111	1.59	1
B297-0.5	090806-113	2.13	1
B297-1.0	090806-114	0.773	1
B297-2.5	090806-115	0.824	1
B297-5.0	090806-116	1.55	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/11/2009 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
Lead (Pb)	090805-53	1.00	99	PASS	1.82	50.0	51.5	99%	50.8	98%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/11/2009 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
Lead (Pb)	090806-58	1.00	102	PASS	4.99	50.0	53.3	97%	53.7	97%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/11/2009 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
Lead (Pb)	090806-79	1.00	101	PASS	0	50.0	52.2	104%	51.7	103%	1%

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

(P. 4 of 4)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/11/2009 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
Lead (Pb)	090806-99	1.00	100	PASS	0	50.0		0%		0%	#DIV/0!

ANALYSIS DATE. :

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: LIQUID DATE RECEIVED: 08/06/09
SAMPLING DATE: 08/05/09 DATE ANALYZED: 08/07/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 08/13/09

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E040	090806-112	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER *MATRIX*

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 8/7/2009 **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
Copper (Cu)	090731-227	1.00	100	*PASS*	*0*	1.00	0.996	100%	0.987	99%	1%
Lead (Pb)	090731-227	1.00	103	*PASS*	*0*	1.00	0.952	95%	0.930	93%	2%
Zinc (Zn)	090731-227	1.00	101	*PASS*	*0*	1.00	0.986	99%	0.970	97%	2%

ANALYSIS DATE. : 8/5/2009

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	090804-161	0.00250	93.7	*PASS*	*0*	0.00250	0.00218	87%	0.00211	84%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Zinc (Zn)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
- 0 Same Day
- 0 24 Hours
- 0 48 Hours
- 0 72 Hours
- Ø 1 Week (Standard)
- Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B220 - 0.5	OP0806-52	8-5-09	9:14	Soil	1 jar		ICE	X						
B220 - 1.0	-53		9:14					X						
B220 - 2.5	-54		9:18					X						
B220 - 5.0	-55		9:22					X						
A220 - 0.5	-56		9:32					X						
A220 - 1.0	-57		9:32					X						
A220 - 2.5	-58		9:34					X						
A220 - 5.0	-59		9:36					X						
B221 - 0.5	-60		9:44					X						
B221 - 1.0	-61		9:44					X						
B221 - 2.5	-62		9:47					X						
B221 - 5.0	-63		9:49					X						
A221 - 0.5	-64		9:58					X						
A221 - 1.0	-65		9:58					X						
A221 - 2.5	-66	↓	10:01	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 8/6/09 0826
Relinquished by:	Received by: WP	Date & Time: 8/6/09 10P 13:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-05-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
A221-5.0	0908067	8-5-09	10:03	Soil	1		ICE	X										
A721-0.5	-68		10:11					X										
A721-1.0	-69		10:11					X										
A721-2.5	-70		10:14					X										
A721-5.0	-71		10:16					X										
B222-0.5	-72		10:26					X										
B222-1.0	-73		10:26					X										
B222-2.5	-74		10:28					X										
B222-5.0	-75		10:31					X										
A226-0.5	-76		10:46					X										
A226-1.0	-77		10:46					X										
A226-2.5	-78		10:52					X										
A226-5.0	-79		10:55					X				X						
B227-0.5	-80		11:05					X										
B227-1.0	-81	↓	11:05	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 8/6/09 0820
Relinquished by:	Received by: WOP	Date & Time: 8/6/09 13:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-05-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B227-2.5	0706-82	8-5-09	11:07	Soil	1		ICE	X										
B227-5.0	-83		11:10					X										
A227-0.5	-84		11:21					X				X						
A227-1.0	-85		11:21					X										
A227-2.5	-86		11:24					X										
A227-5.0	-87		11:25					X										
A727-0.5	-88		11:27					X				X						
A727-1.0	-89		11:27					X										
A727-2.5	-90		11:30					X										
A727-5.0	-91		11:32					X										
B228-0.5	-92		11:43					X										
B228-1.0	-93		11:43					X										
B228-2.5	-94		11:46					X										
B228-5.0	-95		11:49					X				X						
B728-0.5	-96	↓	11:52	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 8/6/09 0820
Relinquished by:	Received by:	Date & Time: 8/6/09 1320
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-05-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
B72E-1.0	0P08097	8-5-09	11:52	Soil	1		ICE	X						
B72E-2.5	-98		11:54					X						
B72E-5.0	-99		11:58					X			X			
A22E-0.5	-100		12:53					X						
A22E-1.0	-101		12:53					X			X			
A22E-2.5	-102		12:56					X						
A22E-5.0	-103		12:59					X						
B22E-0.5	-104		13:07					X						
B22E-1.0	-105		13:07					X						
B22E-2.5	-106		13:10					X						
B22E-5.0	-107		13:13					X						
B296-0.5	-108		13:51					X						
B296-1.0	-109		13:51					X			X			
B296-2.5	-110		13:54					X						
B296-5.0	-111	↓	13:58	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.	**Project Contact:** Kristin Stout	**Sampler's Signature:**	
Address: 41715 Enterprise Circle N., Suite 103	**Tel:** 951-252-8927	**Project Name/ID:** I-15 CIP ADL Survey / 603008001	
City/State/Zip: Temecula, CA 92591	**Fax:** 951-296-0534		

Relinquished by:	Received by:	Date & Time: 8/6/09 0820	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 8/6/09 13:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-05-09

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045							Misc.	COMMENTS
								Analysis Required												
E040	0906-112	8-5-09	13:58	WATER	1		ICE	X												
B297-0.5	-113	↓	14:07	Soil	↓		↓	X												
B297-1.0	-114		14:07	↓				X												
B297-2.5	-115		14:10					X												
B297-5.0	-116	↓	14:12	↓	↓		↓	X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												
								X												

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 8/6/09 0820	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 8/6/09 13:10	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 08-05-09

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: December 22, 2009

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **090602-1 through 090814-49**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on June 1-August 3, 2009, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

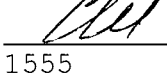
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/02-04/09
SAMPLING DATE: 06/01-03/09 DATE ANALYZED: 11/17-19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 1 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A380-0.5	090602-5	0.338	1
A380-5.0	090602-8	0.068	1
A378-2.5	090602-15	0.192	1
A372-2.5	090602-35	0.056	1
A369-2.5	090602-51	0.057	1
A368-5.0	090602-56	0.110	1
A367-0.5	090602-57	0.097	1
A363-0.5	090603-13	0.279	1
A361-0.5	090603-25	0.113	1
A359-1.0	090603-34	0.068	1
A358-2.5	090603-39	0.053	1
A355-1.0	090603-54	0.071	1
A351-0.5	090603-70	0.680	1
A350-5.0	090603-77	0.053	1
A348-1.0	090603-83	0.067	1
A344-0.5	090604-32	1.23	1
A344-2.5	090604-34	0.094	1
A334-2.5	090604-83	0.063	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/05-10/09
SAMPLING DATE:06/04-09/09 DATE ANALYZED:11/18-20/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 2 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A328-5.0	090605-167	0.051	1
A326-1.0	090605-177	0.066	1
A324-5.0	090605-187	ND	1
A318-1.0	090605-214	ND	1
A314-1.0	090605-230	0.053	1
A308-2.5	090609-67	0.055	1
A306-0.5	090609-73	0.067	1
A301-0.5	090609-97	0.073	1
A298-1.0	090609-110	0.057	1
A297-1.0	090609-115	0.076	1
A294-5.0	090609-137	0.077	1
B294-2.5	090610-55	0.094	1
B292-1.0	090610-74	0.076	1
B292-5.0	090610-76	0.066	1
B291-0.5	090610-85	0.095	1
B289-5.0	090610-100	0.052	1
B286-0.5	090610-117	0.606	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
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MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/11/09
SAMPLING DATE:06/10/09 DATE ANALYZED:11/18-20/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 3 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B282-1.0	090611-40	0.112	1
B281-0.5	090611-45	0.123	1
B281-1.0	090611-46	0.102	1
A280-0.5	090611-49	0.075	1
B280-1.0	090611-51	0.092	1
A278-1.0	090611-63	0.059	1
A277-2.5	090611-72	0.278	1
A276-1.0	090611-79	0.062	1
B276-2.5	090611-85	0.445	1
A275-1.0	090611-92	0.061	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/12-17/09
SAMPLING DATE:06/11-16/09 DATE ANALYZED:11/20-24/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 4 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A270-2.5	090612-51	0.073	1
B269-2.5	090612-67	ND	1
B267-1.0	090612-82	ND	1
B267-2.5	090612-83	0.106	1
A264-1.0	090612-102	ND	1
A260-2.5	090616-135	0.110	1
A259-0.5	090616-141	ND	1
B258-1.0	090616-154	0.082	1
B257-2.5	090616-167	0.059	1
A256-0.5	090616-169	0.082	1
B256-0.5	090616-173	0.727	1
A254-2.5	090616-187	0.120	1
B252-2.5	090616-212	0.066	1
A251-1.0	090617-83	ND	1
A250-0.5	090617-91	0.200	1
B250-5.0	090617-96	ND	1
A249-2.5	090617-99	0.343	1
B248-2.5	090617-106	1.51	1
A246-0.5	090617-114	1.73	1
B246-5.0	090617-124	0.062	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
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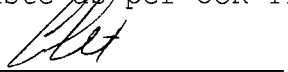
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/17-23/09
SAMPLING DATE:06/16-22/09 DATE ANALYZED:11/20-24/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 5 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A245-1.0	090617-126	ND	1
A245-5.0	090617-128	0.058	1
A244-2.5	090617-133	0.106	1
B244-5.0	090617-138	0.710	1
B240-1.0	090617-168	0.067	1
A236-2.5	090618-133	ND	1
A233-2.5	090618-153	0.227	1
A232-0.5	090618-159	1.41	1
B230-2.5	090619-19	ND	1
B226-0.5	090619-24	ND	1
A224-0.5	090619-33	0.060	1
B215-2.5	090619-60	ND	1
A213-5.0	090619-69	ND	1
A211-2.5	090619-85	ND	1
A204-5.0	090623-62	ND	1
B200-0.5	090623-99	1.18	1
A199-1.0	090623-103	ND	1
A192-0.5	090623-115	ND	1
B191-2.5	090623-129	0.236	1
B191-5.0	090623-130	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
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MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/24-26/09
SAMPLING DATE:06/23-25/09 DATE ANALYZED:11/20-24/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 6 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A187-2.5	090624-158	ND	1
B187-0.5	090624-159	0.897	1
B186-2.5	090624-168	ND	1
A185-2.5	090624-172	ND	1
A184-1.0	090624-184	ND	1
B183-5.0	090624-197	ND	1
B179-2.5	090625-118	ND	1
B139-1.0	090625-149	ND	1
A138-0.5	090625-152	ND	1
B126-1.0	090625-178	ND	1
A124-2.5	090625-195	ND	1
A119-2.5	090626-56	0.056	1
A118-2.5	090626-60	0.130	1
A114-1.0	090626-74	ND	1
A109-2.5	090626-92	ND	1
A107-2.5	090626-101	ND	1
A099-1.0	090626-119	ND	1
A187-2.5	090624-158	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
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PQL = Practical Quantitation Limit
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STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/30-07/02/09
SAMPLING DATE:06/29-07/01/09 DATE ANALYZED:11/23-25/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 7 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A096-5.0	090630-31	0.124	1
B087-1.0	090630-51	0.108	1
A085-2.5	090630-61	0.104	1
A082-5.0	090630-79	0.068	1
A076-1.0	090701-71	ND	1
A050-0.5	090701-90	0.110	1
A050-1.0	090701-91	0.100	1
B049-1.0	090701-107	ND	1
A047-0.5	090701-119	0.055	1
B046-1.0	090701-132	0.102	1
B046-5.0	090701-134	0.141	1
A045-2.5	090701-137	0.147	1
A039-2.5	090702-14	ND	1
A036-2.5	090702-25	ND	1
A033-5.0	090702-37	ND	1
A012-2.5	090702-85	ND	1
A007-2.5	090702-111	ND	1
A006-5.0	090702-116	ND	1
A002-2.5	090702-131	ND	1
A001-0.5	090702-133	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/02-09/09
SAMPLING DATE: 07/02-08/09 DATE ANALYZED: 11/23-25/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 8 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B003-0.5	090702-153	0.086	1
A008-0.5	090707-14	ND	1
A008-5.0	090707-17	ND	1
B009-1.0	090707-19	ND	1
B010-5.0	090707-29	ND	1
B013-5.0	090707-41	ND	1
A015-5.0	090707-57	ND	1
B017-5.0	090707-70	ND	1
A017-1.0	090707-76	ND	1
B019-0.5	090708-40	0.112	1
B019-1.0	090708-41	ND	1
B021-0.5	090708-56	0.127	1
B022-5.0	090708-67	ND	1
B023-5.0	090708-75	ND	1
B024-5.0	090708-79	ND	1
B029-5.0	090709-79	0.063	1
B030-0.5	090709-83	ND	1
B031-2.5	090709-89	0.088	1
B036-5.0	090709-110	ND	1
B040-1.0	090709-122	0.082	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/09-15/09
SAMPLING DATE: 07/08-14/09 DATE ANALYZED: 11/23-25/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 9 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A040-1.0	090709-125	0.059	1
A042-5.0	090710-47	ND	1
B044-2.5	090710-58	ND	1
A055-2.5	090710-74	0.238	1
A056-0.5	090710-78	ND	1
B057-0.5	090710-81	0.252	1
B063-0.5	090714-32	0.131	1
B068-5.0	090714-74	ND	1
B069-0.5	090715-102	ND	1
A070-0.5	090715-112	0.070	1
A073-1.0	090715-132	ND	1
B074-0.5	090715-133	0.064	1
A075-0.5	090715-143	0.068	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/20-24/09
SAMPLING DATE:07/17-23/09 DATE ANALYZED:11/30-12/03/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 10 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B092-5.0	090720-14	0.055	1
A094-0.5	090720-26	0.120	1
B099-0.5	090721-5	0.060	1
B099-1.0	090721-6	0.228	1
B102-0.5	090721-11	0.092	1
A102-1.0	090721-14	0.069	1
B108-0.5	090721-50	0.391	1
B113-5.0	090722-94	0.398	1
B119-0.5	090722-119	0.657	1
B123-5.0	090722-151	0.113	1
A130-5.0	090723-24	0.072	1
A134-2.5	090723-64	0.101	1
B135-5.0	090723-68	0.050	1
B140-0.5	090724-28	2.58	1
B141-2.5	090724-38	0.052	1
A143-5.0	090724-60	0.089	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
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STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/28-31/09
SAMPLING DATE: 07/27-30/09 DATE ANALYZED: 12/02-04/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 11 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A144-2.5	090728-13	0.055	1
B145-1.0	090728-16	0.089	1
B146-0.5	090728-23	0.683	1
B150-2.5	090729-19	0.085	1
B151-5.0	090729-32	0.060	1
B152-5.0	090729-40	ND	1
B153-1.0	090729-46	0.115	1
A156-2.5	090729-71	0.190	1
B158-2.5	090729-83	ND	1
B161-5.0	090730-40	0.425	1
B163-0.5	090730-53	0.069	1
A163-1.0	090730-58	0.064	1
A164-0.5	090730-65	0.338	1
B165-1.0	090730-71	ND	1
B167-2.5	090731-66	0.119	1
B169-1.0	090731-84	ND	1
A169-1.0	090731-88	0.108	1
B171-2.5	090731-101	ND	1
A171-5.0	090731-107	0.137	1
A172-1.0	090731-113	0.088	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
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STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
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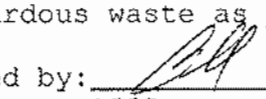
Data Reviewed and Approved by: 
CAL-DHS ELAP CERTIFICATE No.: 1555

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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/31-08/10/09
SAMPLING DATE: 07/30-08/10/09 DATE ANALYZED: 12/02-04/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 12 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B173-2.5	090731-122	ND	1
A174-2.5	090803-7	ND	1
B195-5.0	090804-49	0.163	1
A198-0.5	090804-70	ND	1
A198-1.0	090804-71	0.058	1
B206-2.5	090804-92	ND	1
B209-0.5	090805-26	0.086	1
B219-0.5	090805-59	0.065	1
B222-0.5	090806-72	0.071	1
B222-2.5	090806-74	0.062	1
B299-0.5	090807-22	0.055	1
B301-0.5	090807-30	ND	1
B305-5.0	090807-34	ND	1
B306-0.5	090807-35	ND	1
B302-0.5	090807-64	ND	1
B302-5.0	090807-67	ND	1
B303-5.0	090807-71	ND	1
B320-5.0	090811-54	ND	1
B321-0.5	090811-55	0.066	1
B322-5.0	090811-62	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
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MG/L = Milligram Per Liter = PPM
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/11-12/09
SAMPLING DATE: 08/10-12/09 DATE ANALYZED: 12/02-04/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 13 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B323-2.5	090811-65	ND	1
B326-0.5	090811-79	0.466	1
B328-0.5	090811-87	0.066	1
B333-2.5	090811-106	ND	1
B333-5.0	090811-107	ND	1
B337-0.5	090812-12	ND	1
B337-1.0	090812-13	ND	1
B337-2.5	090812-14	ND	1
B339-1.0	090812-21	ND	1
B346-1.0	090812-58	ND	1
B355-0.5	090813-52	0.071	1
B357-0.5	090813-60	0.069	1
B361-0.5	090813-76	0.299	1
B363-0.5	090813-84	0.305	1
B369-1.0	090813-118	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
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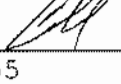
Data Reviewed and Approved by: 
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/14/09
SAMPLING DATE: 08/13/09 DATE ANALYZED: 12/02-04/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC-LEAD; PAGE 14 OF 14
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B374-0.5	090814-16	0.211	1
B374-5.0	090814-19	ND	1
B374-2.5	090814-22	0.050	1
B377-5.0	090814-31	ND	1
B379-5.0	090814-39	ND	1
B382-0.5	090814-53	0.058	1
Method Blank	---	ND	1
	PQL	**0.05**	

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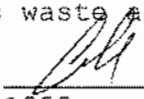
Data Reviewed and Approved by: 
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/02-03/09
SAMPLING DATE: 06/01-03/09 DATE ANALYZED: 11/17-19/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 1 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A381-5.0	090602-4	ND	1
A375-0.5	090602-25	ND	1
A375-5.0	090602-28	ND	1
A373-0.5	090602-29	ND	1
A372-5.0	090602-36	ND	1
A361-1.0	090603-26	ND	1
A358-2.5	090603-39	ND	1
A355-1.0	090603-54	ND	1
A355-2.5	090603-55	ND	1
A353-5.0	090603-64	ND	1
A351-5.0	090603-73	ND	1
A347-5.0	090604-19	ND	1
A344-2.5	090604-34	ND	1
A343-1.0	090604-41	ND	1
A341-5.0	090604-55	ND	1
A340-0.5	090604-56	ND	1
A339-5.0	090604-63	ND	1
A338-0.5	090604-65	ND	1
A337-5.0	090604-72	ND	1
A336-0.5	090604-73	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
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MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/03/09
SAMPLING DATE:06/03/09 DATE ANALYZED:11/17-19/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 2 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A332-0.5	090604-89	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
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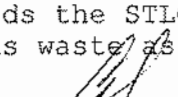
Data Reviewed and Approved by: 
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/05&09/09
SAMPLING DATE: 06/04&08/09 DATE ANALYZED: 11/18-20/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 3 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A330-0.5	090605-156	ND	1
A326-2.5	090605-178	ND	1
A325-0.5	090605-180	ND	1
A318-0.5	090605-213	ND	1
A314-2.5	090605-231	ND	1
A314-5.0	090605-232	ND	1
A311-1.0	090609-50	ND	1
A311-5.0	090609-52	ND	1
A308-0.5	090609-65	ND	1
A306-1.0	090609-74	ND	1
A305-2.5	090609-79	ND	1
A304-5.0	090609-84	ND	1
A302-2.5	090609-91	ND	1
A302-5.0	090609-92	ND	1
A299-5.0	090609-108	ND	1
A295-0.5	090609-122	ND	1
A294-1.0	090609-135	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
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Extraction performed using DI Water
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/10&11/09
SAMPLING DATE:06/09&10/09 DATE ANALYZED:11/18-20/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 4 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B294-5.0	090610-56	ND	1
A293-2.5	090610-63	ND	1
A292-1.0	090610-70	ND	1
A291-5.0	090610-80	ND	1
A286-1.0	090610-111	ND	1
A285-0.5	090610-121	ND	1
A283-1.0	090611-24	ND	1
B282-0.5	090611-39	0.134	1
B281-1.0	090611-46	ND	1
B280-5.0	090611-53	ND	1
A279-1.0	090611-55	ND	1
B279-0.5	090611-58	0.065	1
B279-2.5	090611-60	ND	1
B279-5.0	090611-61	ND	1
B278-1.0	090611-67	ND	1
A277-0.5	090611-70	0.140	1
A277-2.5	090611-72	ND	1
A274-1.0	090611-104	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
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Data Reviewed and Approved by: _____
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LABORATORY REPORT

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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/12&16/09
SAMPLING DATE:06/11&15/09 DATE ANALYZED:11/20-23/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 5 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B273-5.0	090612-32	ND	1
B272-2.5	090612-39	ND	1
A270-5.0	090612-52	ND	1
B270-2.5	090612-55	ND	1
A269-2.5	090612-63	ND	1
B269-0.5	090612-65	ND	1
B268-1.0	090612-74	ND	1
B268-2.5	090612-75	ND	1
B267-0.5	090612-81	ND	1
B265-0.5	090612-97	ND	1
A263-0.5	090612-114	0.057	1
A263-5.0	090612-117	ND	1
B262-1.0	090616-118	ND	1
A261-2.5	090616-127	ND	1
B261-0.5	090616-129	ND	1
A259-2.5	090616-143	ND	1
A258-0.5	090616-149	ND	1
A258-2.5	090616-151	ND	1
A257-0.5	090616-157	ND	1
B255-1.0	090616-182	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/16-18/09
SAMPLING DATE: 06/15-17/09 DATE ANALYZED: 11/20-23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 6 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B253-2.5	090616-200	ND	1
A250-1.0	090617-92	ND	1
A248-1.0	090617-103	ND	1
A247-0.5	090617-108	ND	1
B247-1.0	090617-113	ND	1
A246-1.0	090617-115	ND	1
B246-2.5	090617-123	ND	1
B245-0.5	090617-129	0.056	1
A244-0.5	090617-131	ND	1
A243-0.5	090617-140	ND	1
A242-1.0	090617-149	ND	1
B242-1.0	090617-152	ND	1
B241-0.5	090617-158	ND	1
A237-0.5	090618-127	ND	1
A236-0.5	090618-131	ND	1
B234-1.0	090618-149	ND	1
A233-5.0	090618-154	ND	1
A232-1.0	090618-160	ND	1
A231-0.5	090618-166	ND	1
B231-2.5	090618-172	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
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MG/L = Milligram Per Liter = PPM
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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
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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:06/19-25/09
SAMPLING DATE:06/18-24/09 DATE ANALYZED:11/20-23/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 7 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B223-5.0	090619-45	ND	1
A213-1.0	090619-67	ND	1
A212-5.0	090619-78	ND	1
B211-0.5	090619-86	ND	1
A210-2.5	090619-92	ND	1
A210-5.0	090619-93	ND	1
A204-0.5	090623-59	0.100	1
A192-5.0	090623-118	ND	1
A191-0.5	090623-124	ND	1
A189-5.0	090624-145	ND	1
B189-0.5	090624-146	ND	1
B185-0.5	090624-174	ND	1
B185-1.0	090624-175	ND	1
B185-5.0	090624-177	ND	1
B183-0.5	090624-194	ND	1
A149-1.0	090625-113	ND	1
B178-1.0	090625-129	ND	1
A146-0.5	090625-144	ND	1
B139-0.5	090625-148	0.162	1
B139-2.5	090625-150	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/25-26/09
SAMPLING DATE: 06/24&25/09 DATE ANALYZED: 11/20-23/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 8 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B127-1.0	090625-169	ND	1
B126-5.0	090625-180	ND	1
A116-2.5	090626-67	ND	1
A115-2.5	090626-71	ND	1
A114-0.5	090626-73	0.065	1
A106-5.0	090626-110	ND	1
A100-1.0	090626-112	ND	1
A100-5.0	090626-114	ND	1
B100-1.0	090626-116	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 06/29-07/02/09
SAMPLING DATE: 06/29-07/01/09 DATE ANALYZED: 11/23-25/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 9 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A095-0.5	090630-36	ND	1
A092-1.0	090630-45	ND	1
A091-0.5	090630-46	0.128	1
B083-5.0	090630-74	0.054	1
B081-1.0	090701-63	ND	1
A076-5.0	090701-73	ND	1
B049-1.0	090701-107	ND	1
A048-0.5	090701-110	ND	1
A047-0.5	090701-119	ND	1
B047-5.0	090701-126	0.104	1
A046-1.0	090701-128	ND	1
A045-0.5	090701-135	ND	1
A039-0.5	090702-12	0.056	1
A038-5.0	090702-19	ND	1
A027-1.0	090702-59	ND	1
A026-2.5	090702-64	ND	1
A025-2.5	090702-68	ND	1
A012-0.5	090702-83	0.207	1
A011-5.0	090702-90	ND	1
A005-0.5	090702-117	0.600	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/02-09/09
SAMPLING DATE:07/02-08/09 DATE ANALYZED:11/23-25/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 10 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A005-2.5	090702-119	ND	1
A005-5.0	090702-120	0.233	1
A001-2.5	090702-135	ND	1
B003-1.0	090702-154	ND	1
B004-0.5	090702-157	0.119	1
A008-0.5	090707-14	ND	1
A008-5.0	090707-17	ND	1
B010-2.5	090707-28	ND	1
B011-5.0	090707-33	ND	1
A018-0.5	090708-36	ND	1
B019-0.5	090708-40	0.058	1
B019-2.5	090708-42	ND	1
B019-5.0	090708-43	ND	1
A020-1.0	090708-53	0.074	1
B022-2.5	090708-66	ND	1
B028-0.5	090708-93	ND	1
B031-2.5	090709-89	ND	1
B032-2.5	090709-93	ND	1
B042-5.0	090709-134	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
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Data Reviewed and Approved by: _____
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LABORATORY REPORT

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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/10-16/09
SAMPLING DATE:07/09-15/09 DATE ANALYZED:11/23-25/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 11 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B043-1.0	090710-49	ND	1
B055-1.0	090710-69	ND	1
B055-2.5	090710-70	ND	1
A055-5.0	090710-75	ND	1
A056-2.5	090710-80	ND	1
A059-0.5	090710-93	ND	1
B060-2.5	090714-19	ND	1
A063-2.5	090714-36	ND	1
B065-2.5	090714-46	ND	1
A065-5.0	090714-51	ND	1
B067-1.0	090714-61	ND	1
B068-1.0	090714-72	ND	1
B069-0.5	090715-102	ND	1
B073-0.5	090715-127	ND	1
B076-0.5	090715-146	ND	1
B077-1.0	090716-116	ND	1
B088-0.5	090716-151	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
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STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/20-24/09
SAMPLING DATE: 07/17-23/09 DATE ANALYZED: 11/30-12/02/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 12 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B098-5.0	090720-36	ND	1
B107-0.5	090721-46	ND	1
B108-1.0	090721-51	ND	1
B111-0.5	090721-63	ND	1
B112-1.0	090722-88	ND	1
B113-0.5	090722-91	0.086	1
B113-2.5	090722-93	ND	1
B114-0.5	090722-95	ND	1
B117-1.0	090722-108	ND	1
B120-0.5	090722-123	ND	1
B120-2.5	090722-125	ND	1
B122-0.5	090722-139	ND	1
A122-5.0	090722-147	ND	1
B123-0.5	090722-148	ND	1
B123-2.5	090722-150	ND	1
A128-5.0	090723-8	ND	1
A130-5.0	090723-32	ND	1
B132-2.5	090723-43	0.095	1
A137-1.0	090724-17	ND	1
A140-2.5	090724-34	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
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MG/L = Milligram Per Liter = PPM
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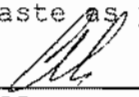
Data Reviewed and Approved by: 
CAL-DHS ELAP CERTIFICATE No.: 1555

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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
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:07/24-31/09
SAMPLING DATE:07/23-30/09 DATE ANALYZED:11/30-12/02/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 13 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B143-0.5	090724-53	ND	1
B145-5.0	090728-18	ND	1
B146-2.5	090728-25	ND	1
B148-1.0	090728-32	ND	1
A148-2.5	090728-37	ND	1
A149-0.5	090728-47	ND	1
A152-1.0	090729-42	ND	1
B153-5.0	090729-48	ND	1
B154-2.5	090729-55	ND	1
B154-5.0	090729-56	ND	1
A154-2.5	090729-59	ND	1
A156-5.0	090729-72	ND	1
B159-0.5	090730-19	ND	1
B162-2.5	090730-47	ND	1
A163-0.5	090730-57	ND	1
A163-1.0	090730-58	0.096	1
A163-5.0	090730-60	ND	1
B165-5.0	090730-73	ND	1
B168-2.5	090731-78	ND	1
B169-1.0	090731-84	ND	1
Method Blank	---	ND	1
	PQL	0.05	

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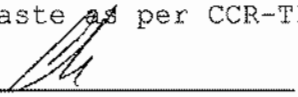
Data Reviewed and Approved by: 
CAL-DHS ELAP CERTIFICATE No.: 1555

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 07/31-08/05/09
SAMPLING DATE: 07/30-08/04/09 DATE ANALYZED: 11/30-12/02/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 14 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A170-5.0	090731-98	ND	1
A173-1.0	090731-124	ND	1
A173-2.5	090731-125	ND	1
B174-1.0	090803-2	ND	1
A175-1.0	090803-18	ND	1
B176-0.5	090803-25	ND	1
A176-0.5	090803-29	ND	1
A180-2.5	090803-40	ND	1
A181-0.5	090804-22	0.148	1
A194-0.5	090804-38	ND	1
B195-5.0	090804-49	ND	1
B199-2.5	090804-76	ND	1
B205-2.5	090804-80	ND	1
B206-0.5	090804-90	ND	1
A206-0.5	090805-6	ND	1
B207-1.0	090805-11	ND	1
B208-2.5	090805-20	0.051	1
A208-0.5	090805-22	ND	1
A209-0.5	090805-30	0.159	1
A218-0.5	090805-55	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:08/05-06/09
SAMPLING DATE:08/04-05/09 DATE ANALYZED:11/30-12/02/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 15 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
A218-1.0	090805-56	ND	1
B220-1.0	090806-53	ND	1
B220-5.0	090806-55	ND	1
A220-0.5	090806-56	ND	1
A220-5.0	090806-59	ND	1
B222-2.5	090806-74	ND	1
B229-0.5	090806-104	ND	1
B296-5.0	090806-111	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/07/09
SAMPLING DATE: 08/06/09 DATE ANALYZED: 11/30-12/02/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 16 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B309-0.5	090707-52	ND	1
B304-1.0	090707-73	ND	1
B310-5.0	090707-78	ND	1
B311-1.0	090707-80	ND	1
B312-0.5	090707-83	ND	1
B313-5.0	090707-90	ND	1
B314-5.0	090707-94	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 08/11/09
SAMPLING DATE: 08/10/09 DATE ANALYZED: 11/30-12/02/09
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 17 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B317-2.5	090811-37	ND	1
B318-2.5	090811-41	ND	1
B326-0.5	090811-79	ND	1
B327-0.5	090811-83	ND	1
B331-1.0	090811-97	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

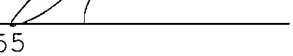
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:08/11-14/09
SAMPLING DATE:08/10-13/09 DATE ANALYZED:11/30-12/03/09
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:12/22/09

EPA 6010B FOR STLC DI-LEAD; PAGE 18 OF 18
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
B332-5.0	090811-103	0.058	1
B335-0.5	090812-4	ND	1
B337-0.5	090812-12	ND	1
B341-5.0	090812-35	ND	1
B344-5.0	090812-47	ND	1
B345-0.5	090812-53	ND	1
B347-5.0	090812-64	ND	1
B355-5.0	090813-55	ND	1
B357-5.0	090813-63	ND	1
B363-5.0	090813-87	ND	1
B365-1.0	090813-101	ND	1
B368-1.0	090813-113	ND	1
B373-0.5	090814-12	0.151	1
B375-2.5	090814-22	ND	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

Date: March 16, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100309-11 through -69**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 9, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/09/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/16/10

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pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
D0278-5.0	100309-33	7.12
D0280-0.5	100309-38	7.10
D0283-0.5	100309-50	7.28
D0286-2.5	100309-64	7.43
D0287-1.0	100309-67	7.36

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
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Tel (909)590-5905 Fax (909)590-5907

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/9/2010	100309-33	7.12	7.15	0.4%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/12/2010	LCS3/4	667	0.0	0-20	80-120	640	96%	647	97%	1.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	425	85%	2.0%

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

Analyst Signature: _____ **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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/10/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/16/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0273-0.5	100309-11	3.04	1
D0273-1.0	100309-12	2.92	1
D0273-2.5	100309-13	2.02	1
D0274-0.5	100309-14	1.81	1
D0274-1.0	100309-15	2.95	1
D0274-2.5	100309-16	1.54	1
D0274-5.0	100309-17	3.61	1
D0275-0.5	100309-18	2.07	1
D0275-1.0	100309-19	1.76	1
D0275-2.5	100309-20	2.40	1
D0275-5.0	100309-21	1.73	1
D0276-0.5	100309-22	4.38	1
D0276-1.0	100309-23	5.16	1
D0276-2.5	100309-24	4.91	1
D0276-5.0	100309-25	9.15	1
D0277-0.5	100309-26	2.84	1
D0277-1.0	100309-27	3.00	1
D0277-2.5	100309-28	1.74	1
D0277-5.0	100309-29	1.76	1
D0278-0.5	100309-30	12.8	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 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
Lead (Pb)	100309-14	1.00	103	*PASS*	1.81	50.0	51.9	100%	54.0	104%	4%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-27	0.125	95.3	*PASS*	*0*	0.125	0.110	88%	0.114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/10/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/16/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0278-1.0	100309-31	1.45	1
D0278-2.5	100309-32	1.28	1
D0278-5.0	100309-33	1.19	1
D0279-0.5	100309-34	12.3	1
D0279-1.0	100309-35	2.92	1
D0279-2.5	100309-36	3.18	1
D0279-5.0	100309-37	6.77	1
D0280-0.5	100309-38	21.0	1
D0280-1.0	100309-39	1.52	1
D0280-2.5	100309-40	1.13	1
D0280-5.0	100309-41	1.07	1
D0281-0.5	100309-42	8.63	1
D0281-1.0	100309-43	2.19	1
D0281-2.5	100309-44	2.77	1
D0281-5.0	100309-45	3.68	1
D0282-0.5	100309-46	1.95	1
D0282-1.0	100309-47	1.89	1
D0282-2.5	100309-48	2.73	1
D0282-5.0	100309-49	1.96	1
D0283-0.5	100309-50	13.0	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 **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
Lead (Pb)	100309-31	1.00	103	*PASS*	1.45	50.0	51.2	100%	53.0	103%	4%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-27	0.125	95.3	*PASS*	*0*	0.125	0.110	88%	0.114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/09/10
SAMPLING DATE: 03/08/10 DATE ANALYZED: 03/10/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/16/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0283-1.0	100309-51	1.82	1
D0283-2.5	100309-52	3.02	1
D0283-5.0	100309-53	3.04	1
D0284-0.5	100309-55	4.74	1
D0284-1.0	100309-56	4.37	1
D0284-2.5	100309-57	2.60	1
D0285-0.5	100309-58	2.49	1
D0285-1.0	100309-59	3.24	1
D0285-2.5	100309-60	4.51	1
D0285-5.0	100309-61	6.15	1
D0286-0.5	100309-62	2.38	1
D0286-1.0	100309-63	3.49	1
D0286-2.5	100309-64	3.35	1
D0286-5.0	100309-65	4.21	1
D0287-0.5	100309-66	2.56	1
D0287-1.0	100309-67	4.20	1
D0287-2.5	100309-68	1.55	1
D0287-5.0	100309-69	4.02	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 **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
Lead (Pb)	100309-51	1.00	103	*PASS*	1.82	50.0	53.2	103%	52.9	102%	1%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-27	0.125	95.3	*PASS*	*0*	0.125	0.110	88%	0.114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:LIQUID DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/10/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/16/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E046	100309-54	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 **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
Lead (Pb)	100309-54	1.00	102	*PASS*	*0*	1.00	1.03	103%	1.04	104%	1%
Zinc (Zn)	100309-54	1.00	105	*PASS*	*0*	1.00	1.13	113%	1.13	113%	0%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-9	0.00250	94.0	*PASS*	*0*	0.00250	0.00212	85%	0.00219	88%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Zinc (Zn)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0273 - 0.5	10030911	3-8-10	9:24	Soil	1		Ice	X						
D0273 - 1.0	12		9:24					X						
D0273 - 2.5	13		9:31					X						
D0274 - 0.5	14		9:44					X						
D0274 - 1.0	15		9:44					X						
D0274 - 2.5	16		9:48					X						
D0274 - 5.0	17		9:50					X						
D0275 - 0.5	18		10:02					X						
D0275 - 1.0	19		10:02					X						
D0275 - 2.5	20		10:05					X						
D0275 - 5.0	21		10:07					X						
D0276 - 0.5	22		10:21					X						
D0276 - 1.0	23		10:21					X						
D0276 - 2.5	24		10:25					X						
D0276 - 5.0	25	✓	10:26		✓		✓	X						

Company Name: Leighton Consulting, Inc.		**Project Contact:** Kristin Stout	**Sampler's Signature:**
Address: 41715 Enterprise Circle N., Suite 103		**Tel:** 951-252-8927	**Project Name/ID:** I-15 CIP ADL Survey / 603008001
City/State/Zip: Temecula, CA 92591		**Fax:** 951-296-0534	
Relinquished by:	Received by:	Date & Time: 3/9/10 0850	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 3/9/10 10:20	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-5-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0277-0.5	1003926	3-8-10	10:34	Soil	1		ICE	X						
D0277-1.0	27	"	10:39	"	"		"	X						
D0277-2.5	~~28~~	"	10:41	"	"		"	X						
D0277-5.0	29	"	10:44	"	"		"	X						
D0278-0.5	30	"	10:56	"	"		"	X						
D0278-1.0	31	"	10:36	"	"		"	X						
D0278-2.5	32	"	10:59	"	"		"	X						
D0278-5.0	33	"	11:02	"	"		"	X			X			
D0279-0.5	34	"	11:13	"	"		"	X						
D0279-1.0	35	"	11:13	"	"		"	X						
D0279-2.5	36	"	11:16	"	"		"	X						
D0279-5.0	37	"	11:20	"	"		"	X						
D0280-0.5	~~38~~	"	11:53	"	"		"	X			X			
D0280-1.0	39	"	11:53	"	"		"	X						
D0280-2.5	40	✓	11:52	"	✓		✓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/4/10 0850
Relinquished by:	Received by: WP	Date & Time: 3/9/10 10:20
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-8-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0280-5.0	100304-41	3-8-10	11:58	Soil	1		ICE	X						
D0281-0.5	42		12:10					X						
D0281-1.0	43		12:10					X						
D0281-2.5	44		12:14					X						
D0281-5.0	45		12:17					X						
D0282-0.5	46		12:29					X						
D0282-1.0	47		12:29					X						
D0282-2.5	48		12:32					X						
D0282-5.0	49		12:34					X						
D0283-0.5	50		13:04					X				X		
D0283-1.0	51		13:07					X						
D0283-2.5	52		13:06					X						
D0283-5.0	53		13:08	↓				X						
E046	54		13:10	WATER				X						
D0284-0.5	55	↓	13:31	Soil	↓			X						

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:** **Kristin Stout**	**Sampler's Signature:**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:** **951-252-8927**	**Project Name/ID:** **I-15 CIP ADL Survey / 603008001**
City/State/Zip:	**Temecula, CA 92591**	**Fax:** **951-296-0534**	

Relinquished by:	Received by:	Date & Time: 3/9/10 0850	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/9/10 10:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-8-10

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
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
B0284-1.0	100309-56	3-8-10	13:31	Soil	1		ICE	X										
B0284-2.5	57		13:33					X										
B0284-0.5	58		13:46					X										
B0285-1.0	59		13:46					X										
B0285-2.5	60		13:48					X										
B0285-5.0	61		13:51					X										
D0286-0.5	62		14:01					X										
D0286-1.0	63		14:01					X										
D0286-2.5	64		14:04					X			X							
D0286-5.0	65		14:08					X										
D0287-0.5	66		14:17					X										
D0287-1.0	67		14:17					X			X							
D0287-2.5	68		14:19					X										
D0287-5.0	69		14:22					X										
		↓		↓	↓		↓	X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/9/10 0856
Relinquished by:	Received by:	Date & Time: 3/9/10 10:20
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-8-10

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: March 16, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100309-70 through -130**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 9, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/09/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/16/10

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pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
C0275-1.0	100309-71	7.51
C0273-2.5	100309-76	7.24
C0266-2.5	100309-109	7.70

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: SOLID/LIQUID

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/9/2010	100309-33	7.12	7.15	0.4%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/9/2010	LCS 1/2	667	0.0	0-20	80-120	614	92%	614	92%	0.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/09/10
SAMPLING DATE: 03/08/10 DATE ANALYZED: 03/10/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/16/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0275-0.5	100309-70	11.2	1
C0275-1.0	100309-71	2.08	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 **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
Lead (Pb)	100309-51	1.00	103	*PASS*	1.82	50.0	53.2	103%	52.9	102%	1%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-27	0.125	95.3	*PASS*	*0*	0.125	0.110	88%	0.114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/09/10
SAMPLING DATE: 03/08/10 DATE ANALYZED: 03/10/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/16/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0275-2.5	100309-72	1.70	1
C0275-5.0	100309-73	1.05	1
C0273-0.5	100309-74	5.22	1
C0273-1.0	100309-75	4.54	1
C0273-2.5	100309-76	5.12	1
C0273-5.0	100309-77	4.53	1
C0272-0.5	100309-78	7.92	1
C0272-1.0	100309-79	2.60	1
C0272-2.5	100309-80	2.80	1
C0272-5.0	100309-81	4.22	1
C1272-0.5	100309-82	10.8	1
C1272-1.0	100309-83	3.40	1
C1272-2.5	100309-84	5.46	1
C1272-5.0	100309-85	12.9	1
C0271-0.5	100309-86	3.65	1
C0271-1.0	100309-87	3.46	1
C0271-2.5	100309-88	3.18	1
C0271-5.0	100309-89	4.21	1
C0270-0.5	100309-90	3.91	1
C0270-1.0	100309-91	1.96	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 **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
Lead (Pb)	100309-72	1.00	102	*PASS*	1.70	50.0	52.4	101%	52.5	102%	0%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-27	0.125	95.3	*PASS*	*0*	0.125	0.110	88%	0.114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/10/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/16/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0270-2.5	100309-92	3.86	1
C0270-5.0	100309-93	3.24	1
C0269-0.5	100309-94	1.38	1
C0269-1.0	100309-95	1.60	1
C0269-2.5	100309-96	1.40	1
C0269-5.0	100309-97	1.56	1
C0268-0.5	100309-99	781 *	10
C0268-1.0	100309-100	1.51	1
C0268-2.5	100309-101	5.78	1
C0268-5.0	100309-102	4.37	1
C0267-0.5	100309-103	4.96	1
C0267-1.0	100309-104	1.56	1
C0267-2.5	100309-105	1.44	1
C0267-5.0	100309-106	2.03	1
C0266-0.5	100309-107	5.75	1
C0266-1.0	100309-108	1.61	1
C0266-2.5	100309-109	1.78	1
C0266-5.0	100309-110	2.49	1
C0265-0.5	100309-111	8.16	1
C0265-1.0	100309-112	2.03	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 **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
Lead (Pb)	100309-93	1.00	102	*PASS*	3.24	50.0	49.1	92%	48.2	90%	2%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-27	0.125	95.3	*PASS*	*0*	0.125	0.110	88%	0.114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/10/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/16/10

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0265-2.5	100309-113	2.07	1
C0265-5.0	100309-114	1.44	1
C0264-0.5	100309-115	7.36	1
C0264-1.0	100309-116	2.01	1
C0264-2.5	100309-117	1.34	1
C0264-5.0	100309-118	3.14	1
C0263-0.5	100309-119	5.27	1
C0263-1.0	100309-120	1.75	1
C0263-2.5	100309-121	1.76	1
C0263-5.0	100309-122	2.69	1
C1263-0.5	100309-123	4.82	1
C1263-1.0	100309-124	1.42	1
C1263-2.5	100309-125	1.81	1
C1263-5.0	100309-126	1.62	1
C0262-0.5	100309-127	9.97	1
C0262-1.0	100309-128	1.60	1
C0262-2.5	100309-129	2.79	1
C0262-5.0	100309-130	2.82	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 **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
Lead (Pb)	100309-114	1.00	101	*PASS*	1.44	50.0	51.1	99%	51.3	100%	0%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-27	0.125	95.3	*PASS*	*0*	0.125	0.110	88%	0.114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/09/10
SAMPLING DATE: 03/08/10 DATE ANALYZED: 03/10-12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/16/10

EPA 6010B FOR STLC-LEAD
UNIT: MG/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
C0268-0.5	100309-99	0.510	1
Method Blank	---	ND	1
	PQL	**0.05**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010 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
Lead (Pb)	100312-LCS	1.00	102	*PASS*	0	5.00	5.24	105%	5.38	108%	3%
Chromium (Cr)	100312-LCS	1.00	99	*PASS*	0	5.00	5.02	100%	5.20	104%	4%
Copper (Cu)	100312-LCS	1.00	100	*PASS*	0	5.00	5.16	103%	5.42	108%	5%

ANALYSIS DATE: 3/4/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100302-91	0.0125	93.3	*PASS*	*0*	0.0125	0.0112	90%	0.0105	84%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Chromium (Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:LIQUID DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/10/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/16/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E047	100309-98	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 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
Lead (Pb)	100309-54	1.00	102	PASS	0	1.00	1.03	103%	1.04	104%	1%
Zinc (Zn)	100309-54	1.00	105	PASS	0	1.00	1.13	113%	1.13	113%	0%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-9	0.00250	94.0	PASS	0	0.00250	0.00212	85%	0.00219	88%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
0	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Date: March 22, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100309-70 through -130**

Dear Ms. Stout:

The **STLC DI-Pb results** for the soil and water samples, received by our lab on March 9, 2010, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/09/10
SAMPLING DATE:03/08/10 DATE ANALYZED:03/15-17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/22/10

EPA 6010B FOR STLC DI-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
C0268-0.5	100309-99	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
MG/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 **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
Lead (Pb)	100309-99	1.00	101	*PASS*	0	5.00	5.12	102%	5.13	103%	0%
Barium (Ba)	100309-99	1.00	103	*PASS*	0	5.00	5.27	105%	5.27	105%	0%
Nickel (Ni)	100309-99	1.00	102	*PASS*	0	5.00	5.22	104%	5.22	104%	0%

ANALYSIS DATE: 3/15/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100311-130	0.0125	102.2	*PASS*	*0*	0.0125	0.0120	96%	0.0114	91%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Barium (Ba)	*PASS*	*PASS*	*PASS*	*PASS*
Nickel (Ni)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
				Analysis Required										
C0275-0.5	100309-70	3-8-10	09:24	Soil	1		Ice	X						
C0275-1.0	71		09:28					X			X			
C0275-2.5	72		09:30					X						
C0275-5.0	73		09:34					X						
C0273-0.5	74		09:44					X						
C0273-1.0	75		09:45					X						
C0273-2.5	76		09:48					X			X			
C0273-5.0	77		09:51 10:03					X						
C0272-0.5	78		10:03					X						
C0272-1.0	79		10:05					X						
C0272-2.5	80		10:06					X						
C0272-5.0	81		10:12					X						
C1272-0.5	82		10:18					X						
C1272-1.0	83		10:19					X						
C1272-2.5	84	↓	10:21	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/9/10 0850
Relinquished by:	Received by: WP	Date & Time: 3/9/10 10:20
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-8-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C1272-5.0	603009-85	3-8-10	10:27	Soil	1		Ice	X						
C0271-0.5	86		10:38					X						
C0271-1.0	87		10:39					X						
C0271-2.5	88		10:41					X						
C0271-5.0	89		10:47					X						
C0270-0.5	90		10:56					X						
C0270-1.0	91		10:57					X						
C0270-2.5	92		11:00					X						
C0270-5.0	93		11:05					X						
C0269-0.5	94		11:15					X						
C0269-1.0	95		11:16					X						
C0269-2.5	96		11:19					X						
C0269-5.0	97		11:29	↓				X						
E047	98		11:40	Water			HNO_3	X						
C0268-0.5	99	↓	11:48	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/9/10 0856
Relinquished by:	Received by: WP	Date & Time: 3/9/10 12:20
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-8-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
C0268-1.0	100399/100	3-8-10	11:49	Soil	1		Ice	X											
C0268-2.5	101		11:51					X											
C0268-5.0	102		11:58					X											
C0267-0.5	103		12:11					X											
C0267-1.0	104		12:12					X											
C0267-2.5	105		12:15					X											
C0267-5.0	106		12:21					X											
C0266-0.5	107		12:31					X											
C0266-1.0	108		12:32					X											
C0266-2.5	109		12:33					X				X							
C0266-5.0	110		12:41					X											
C0265-0.5	111		12:51					X											
C0265-1.0	112		12:52					X											
C0265-2.5	113		12:53					X											
C0265-5.0	114		13:02		*		✓	X											

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/9/10 08:50
Relinquished by:	Received by:	Date & Time: 3/9/10 10:20
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-8-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
C0264-0.5	10039-115	3-8-10	13:11	Soil	1		Ice	X											
C0264-1.0	116		13:12					X											
C0264-2.5	117		13:13					X											
C0264-5.0	118		13:19					X											
C0263-0.5	119		13:50					X											
C0263-1.0	120		13:51					X											
C0263-2.5	121		13:54					X											
C0263-5.0	122		13:59					X											
C1263-0.5	123		14:07					X											
C1263-1.0	124		14:08					X											
C1263-2.5	125		14:11					X											
C1263-5.0	126		14:14					X											
C0262-0.5	127		14:27					X											
C0262-1.0	128		14:28					X											
C0262-2.5	129		14:33					X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/9/10 0850	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/9/10 10:20	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-8-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
Co262-5.0	10039-130	3-8-10	14:40	Soil	1		Ice	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/9/10 0850	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 3/9/10 10:20	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-8-10

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: March 17, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100310-2 through -66**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 10, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/10/10
SAMPLING DATE: 03/09/10 DATE ANALYZED: 03/10/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/17/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
D0289-2.5	100310-8	6.93
D0290-5.0	100310-13	7.31
D0291-5.0	100310-17	7.25
D1291-5.0	100310-21	7.41
D0292-5.0	100310-37	8.30
D0297-2.5	100310-44	8.08
D0299-2.5	100310-57	8.16

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/10/2010	100310--94	8.76	8.77	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/9/2010	LCS 1/2	667	0.0	0-20	80-120	614	92%	614	92%	0.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/10/10
SAMPLING DATE:03/09/10 DATE ANALYZED:03/11/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/17/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0288-0.5	100310-2	2.84	1
D0288-1.0	100310-3	2.70	1
D0288-2.5	100310-4	1.83	1
D0288-5.0	100310-5	1.88	1
D0289-0.5	100310-6	1.88	1
D0289-1.0	100310-7	2.12	1
D0289-2.5	100310-8	2.63	1
D0289-5.0	100310-9	2.47	1
D0290-0.5	100310-10	1.89	1
D0290-1.0	100310-11	2.76	1
D0290-2.5	100310-12	2.79	1
D0290-5.0	100310-13	2.97	1
D0291-0.5	100310-14	2.50	1
D0291-1.0	100310-15	2.31	1
D0291-2.5	100310-16	2.34	1
D0291-5.0	100310-17	2.05	1
D1291-0.5	100310-18	24.6	1
D1291-1.0	100310-19	2.06	1
D1291-2.5	100310-20	2.06	1
D1291-5.0	100310-21	2.23	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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**
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/10/10
SAMPLING DATE:03/09/10 DATE ANALYZED:03/11/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/17/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0295-0.5	100310-22	26.9	1
D0295-1.0	100310-23	4.57	1
D0295-2.5	100310-24	3.95	1
D0295-5.0	100310-25	5.11	1
D0294-0.5	100310-26	18.7	1
D0294-1.0	100310-27	2.78	1
D0294-2.5	100310-28	1.89	1
D0294-5.0	100310-29	1.99	1
D0293-0.5	100310-30	14.2	1
D0293-1.0	100310-31	4.09	1
D0293-2.5	100310-32	1.63	1
D0293-5.0	100310-33	2.00	1
D0292-0.5	100310-34	13.6	1
D0292-1.0	100310-35	3.98	1
D0292-2.5	100310-36	3.96	1
D0292-5.0	100310-37	3.00	1
D0296-0.5	100310-38	9.20	1
D0296-1.0	100310-39	3.01	1
D0296-2.5	100310-40	3.72	1
D0296-5.0	100310-41	5.03	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
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Data Reviewed and Approved by: _____
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LABORATORY REPORT

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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/10/10
SAMPLING DATE:03/09/10 DATE ANALYZED:03/11/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/17/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0297-0.5	100310-42	19.8	1
D0297-1.0	100310-43	4.32	1
D0297-2.5	100310-44	2.60	1
D0297-5.0	100310-45	3.05	1
D0298-0.5	100310-47	2.76	1
D0298-1.0	100310-48	5.49	1
D0298-2.5	100310-49	5.26	1
D0298-5.0	100310-50	5.55	1
D1298-0.5	100310-51	13.7	1
D1298-1.0	100310-52	5.56	1
D1298-2.5	100310-53	4.67	1
D1298-5.0	100310-54	5.58	1
D0299-0.5	100310-55	36.0	1
D0299-1.0	100310-56	3.84	1
D0299-2.5	100310-57	4.61	1
D0300-0.5	100310-58	42.2	1
D0300-1.0	100310-59	2.80	1
D0300-2.5	100310-60	5.44	1
D0300-5.0	100310-61	4.80	1
D0301-0.5	100310-62	3.35	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/10/10
SAMPLING DATE: 03/09/10 DATE ANALYZED: 03/11/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/17/10

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0301-1.0	100310-63	2.62	1
D0301-2.5	100310-64	2.54	1
D0301-5.0	100310-65	2.94	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/11/2010

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
Lead (Pb)	100310-2	1.00	104	PASS	2.84	50.0	54.2	103%	55.4	105%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/11/2010 **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
Lead (Pb)	100310-23	1.00	105	PASS	4.57	50.0	56.8	104%	58.5	108%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/11/2010

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
Lead (Pb)	100310-43	1.00	104	PASS	4.32	50.0	53.8	99%	54.0	99%	0%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/11/2010 **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
Lead (Pb)	100310-63	1.00	104	*PASS*	2.62	50.0	55.5	106%	53.0	101%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 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
Lead (Pb)	100310-46	1.00	104	PASS	0	1.00	1.05	105%	1.06	106%	1%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-9	0.00250	94.0	PASS	0	0.00250	0.00212	85%	0.00219	88%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:LIQUID DATE RECEIVED:03/10/10
SAMPLING DATE:03/09/10 DATE ANALYZED:03/11/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/17/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E048	100310-46	ND	1
E050-Auger	100310-66	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

Data Reviewed and Approved by:

CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 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
Lead (Pb)	100310-46	1.00	104	PASS	0	1.00	1.05	105%	1.06	106%	1%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-9	0.00250	94.0	PASS	0	0.00250	0.00212	85%	0.00219	88%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

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
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
~~8~~ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
D0288-0.5	10031 0-2	3-9-10	9:18	Soil	1	ice	ice	X										
D0288-1.0	-3		9:18					X										
D0288-2.5	-4		9:20					X										
D0288-5.0	-5		9:23					X										
D0289-0.5	-6		9:34					X										
D0289-1.0	-7		9:34					X										
D0289-2.5	-8		9:35					X				X						
D0289-5.0	-9		9:37					X										
D0290-0.5	-10		9:48					X										
D0290-1.0	-11		9:48					X										
D0290-2.5	-12		9:51					X										
D0290-5.0	-13		9:51 hrvd					X				X						
D0291-0.5	-14		10:10					X										
D0291-1.0	-15		10:10					X										
D0291-2.5	-16	↓	10:12	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/10/10 0805
Relinquished by:	Received by:	Date & Time: 3/10/10 11:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 03-09-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
D0291-5.0	10310-17	3-9-10	10:19	Soil	1		ICE	X			X							
D1291-0.5	-18		10:17					X										
D1291-1.0	-19		10:17					X										
D1291-2.5	-20		10:23					X										
D1291-5.0	-21		10:25					X			X							
D0295-0.5	-22		10:40					X										
D0295-1.0	-23		10:40					X										
D0295-2.5	-24		10:42					X										
D0295-5.0	-25		10:45					X										
D0294-0.5	-26		11:05					X										
D0294-1.0	-27		11:05					X										
D0294-2.5	-28		11:06					X										
D0294-5.0	-29		11:08					X										
D0293-0.5	-30		11:20					X										
D0293-1.0	-31	↓	11:20	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	3/10/10 Date & Time: 0805	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/10/10 1100	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 03-09-10

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
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
D0293-2.5	603 0-32	3.9.10	11:23	Soil	1		ICE	X											
D0293-5.0	-33		11:24					X											
D0292-0.5	-34		11:42					X											
D0292-1.0	-35		11:42					X											
D0292-2.5	-36		11:44					X											
D0292-5.0	-37		11:47					X				X							
D0296-0.5	-38		12:27					X											
D0296-1.0	-39		12:27					X											
D0296-2.5	-40		12:29					X											
D0296-5.0	-41		12:32					X											
D0297-0.5	-42		12:43					X											
D0297-1.0	-43		12:43					X											
D0297-2.5	-44		12:45					X				X							
D0297-5.0	-45		12:49	✓				X											
E048	-46	↓	13:19	WATER	✓		✓	X											

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:

Project Name/ID:
I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/10/10 0805
Relinquished by:	Received by:	Date & Time: 3/10/10 11:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 03-09-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
D0298-0.5	10316-47	3-9-10	13:05	Soil	1		ICE	X											
D0298-1.0	-48		13:05					X											
D0298-2.5	-49		13:07					X											
D0298-5.0	-50		13:09					X											
D1298-0.5	-51		13:12					X											
D1298-1.0	-52		13:12					X											
D1298-2.5	-53		13:14					X											
D1298-5.0	-54		13:18					X											Glass Jar (four 8oz.)
D0299-0.5	-55		13:36					X											
D0299-1.0	-56		13:36					X											
D0299-2.5	-57		13:39					X				X							
D0300-0.5	-58		13:55					X											
D0300-1.0	-59		13:55					X											
D0300-2.5	-60		13:58					X											
D0300-5.0	-61	↓	14:00	↓	↓		✓	X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/10/10 1805
Relinquished by:	Received by:	Date & Time: 3/10/10 11:50
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 03-09-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
DO301-0.5	0030-62	3-9-10	14:19	Soil	1		ICE	X									glass Jar	
DO301-1.0	-63	↓	14:21	↓	↓		↓	X									HAND ~~Augered~~ Auger	
DO301-2.5	-64		14:23					X									↓	
DO301-5.0	-65		14:28					X										
EOSO-Auger	-66	3-9-10	14:30	WATER	1		ICE	X									HAND Auger	
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/10/10 0805	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 3/10/10 11:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 03-09-10

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: March 17, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100310-67 through -123**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 10, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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

LABORATORY REPORT

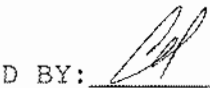
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/10/10
SAMPLING DATE:03/09/10 DATE ANALYZED:03/10/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/17/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
C0261-5.0	100310-70	8.48
C0260-5.0	100310-74	8.66
C0256-0.5	100310-87	8.72
C0255-5.0	100310-94	8.76

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: SOLID/LIQUID

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/10/2010	100310--94	8.76	8.77	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/9/2010	LCS 1/2	667	0.0	0-20	80-120	614	92%	614	92%	0.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/10/10
SAMPLING DATE: 03/09/10 DATE ANALYZED: 03/11/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/17/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0261-0.5	100310-67	24.1	1
C0261-1.0	100310-68	7.38	1
C0261-2.5	100310-69	4.38	1
C0261-5.0	100310-70	1.77	1
C0260-0.5	100310-71	25.8	1
C0260-1.0	100310-72	3.20	1
C0260-2.5	100310-73	3.36	1
C0260-5.0	100310-74	1.45	1
C0259-0.5	100310-75	21.5	1
C0259-1.0	100310-76	1.68	1
C0259-2.5	100310-77	39.4	1
C0259-5.0	100310-78	2.89	1
C0258-0.5	100310-79	19.3	1
C0258-1.0	100310-80	2.32	1
C0258-2.5	100310-81	1.90	1
C0258-5.0	100310-82	3.50	1
C0257-0.5	100310-83	40.0	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/10/10
SAMPLING DATE: 03/09/10 DATE ANALYZED: 03/11/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/17/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0257-1.0	100310-84	4.07	1
C0257-2.5	100310-85	4.04	1
C0257-5.0	100310-86	2.85	1
C0256-0.5	100310-87	17.3	1
C0256-1.0	100310-88	2.57	1
C0256-2.5	100310-89	10.6	1
C0256-5.0	100310-90	1.69	1
C0255-0.5	100310-91	18.1	1
C0255-1.0	100310-92	4.33	1
C0255-2.5	100310-93	18.1	1
C0255-5.0	100310-94	3.01	1
C0254-0.5	100310-95	15.8	1
C0254-1.0	100310-96	7.82	1
C0253-0.5	100310-97	14.7	1
C0253-1.0	100310-98	2.40	1
C0252-0.5	100310-99	28.6	1
C0252-1.0	100310-100	2.74	1
C0252-2.5	100310-101	1.94	1
C0252-5.0	100310-102	4.40	1
C1252-0.5	100310-103	11.7	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/10/10
SAMPLING DATE:03/09/10 DATE ANALYZED:03/11/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/17/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C1252-1.0	100310-104	1.70	1
C1252-2.5	100310-105	5.33	1
C1252-5.0	100310-106	2.14	1
C0251-0.5	100310-108	5.21	1
C0251-1.0	100310-109	3.00	1
C0251-2.5	100310-110	6.31	1
C0251-5.0	100310-111	2.48	1
C0250-0.5	100310-112	20.7	1
C0250-1.0	100310-113	2.41	1
C0250-2.5	100310-114	2.59	1
C0250-5.0	100310-115	3.43	1
C1250-0.5	100310-116	14.7	1
C1250-1.0	100310-117	7.06	1
C1250-2.5	100310-118	22.4	1
C1250-5.0	100310-119	3.23	1
C0248-0.5	100310-120	3.70	1
C0248-1.0	100310-121	3.93	1
C0248-2.5	100310-122	30.3	1
C0248-5.0	100310-123	2.00	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/11/2010

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
Lead (Pb)	100310-63	1.00	104	PASS	2.62	50.0	55.5	106%	53.0	101%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/11/2010

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
Lead (Pb)	100310-84	1.00	105	PASS	4.07	50.0	53.4	99%	52.7	97%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/11/2010 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
Lead (Pb)	100310-104	1.00	107	PASS	1.70	50.0	52.6	102%	53.9	104%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

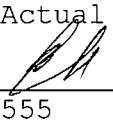
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: WATER DATE RECEIVED: 03/10/10
SAMPLING DATE: 03/09/10 DATE ANALYZED: 03/11/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/17/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E049	100310-107	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/10/2010 — **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
Lead (Pb)	100310-46	1.00	104	PASS	0	1.00	1.05	105%	1.06	106%	1%

ANALYSIS DATE. : 3/9/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100308-9	0.00250	94.0	PASS	0	0.00250	0.00212	85%	0.00219	88%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
- 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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
Co261-0.5	10030-67	3-9-10	09:13	Soil	1 pX		Ice	X											
Co261-1.0	-68		09:14					X											
Co261-2.5	-69		09:20					X											
Co261-5.0	-70		09:25					X			X								
Co266-0.5	-71		09:35					X											
Co266-1.0	-72		09:36					X											
Co266-2.5	-73		09:39					X											
Co266-5.0	-74		09:43					X			X								
Co259-0.5	-75		09:52					X											
Co259-1.0	-76		09:53					X											
Co259-2.5	-77		09:56					X											
Co259-5.0	-78		10:01					X											
Co258-0.5	-79		10:09					X											
Co258-1.0	-80		10:10					X											
Co258-2.5	-81	↓	10:12	↓	↓		↓	X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/10/10 0805
Relinquished by:	Received by:	Date & Time: 3/10/10 11:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-9-10

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
☒ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
Co258-5.0	10090-82	3-9-10	10:18	Soil	1		Ice	X						
Co257-0.5	-83		10:27					X						
Co257-1.0	-84		10:28					X						
Co257-2.5	-85		10:33					X						
Co257-5.0	-86		10:43					X						
Co256-0.5	-87		10:57					X			X			
Co256-1.0	-88		10:58					X						
Co256-2.5	-89		11:05					X						
Co256-5.0	-90		11:11					X						
Co255-0.5	-91		11:23					X						
Co255-1.0	-92		11:24					X						
Co255-2.5	-93		11:30					X						
Co255-5.0	-94		11:39					X			X			
Co254-0.5	-95		11:50					X						
Co254-1.0	-96		11:51					X						

Company Name: **Leighton Consulting, Inc.**
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Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/10/10 0805
Relinquished by:	Received by:	Date & Time: 3/10/10 1:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-9-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
CO253-0.5	1003|0-097	3-9-10	12:13	Soil	1		Ice	X						
CO253-1.0	-098		12:14					X						
CO252-0.5	-099		12:56					X						
CO252-1.0	-100		12:57					X						
CO252-2.5	-101		13:00					X						
CO252-5.0	-102		13:06					X						
C1252-0.5	-103		13:17					X						
C1252-1.0	-104		13:18					X						
C1252-2.5	-105		13:21					X						
C1252-5.0	-106		13:25					X						
E049	-107		13:30	Water			HNO_3	X						
CO251-0.5	-108		13:47	Soil			Ice	X						
CO251-1.0	-109		13:48					X						
CO251-2.5	-110		13:50					X						
CO251-5.0	-111		13:54					X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/10/10 0805
Relinquished by:	Received by:	Date & Time: 3/10/10 11:10
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-9-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C0250-0.5	1003010-112	3-9-10	14:04	Soil	1		Ice	X						
C0250-1.0	-113		14:05					X						
C0250-2.5	-114		14:06					X						
C0250-5.0	-115		14:09					X						
C1250-0.5	-116		14:14					X						
C1250-1.0	-117		14:15					X						
C1250-2.5	-118		14:16					X						
C1250-5.0	-119		14:20					X						
C0248-0.5	-120		14:32					X						
C0248-1.0	-121		14:33					X						
C0248-2.5	-122		14:35					X						
C0248-5.0	-123		14:40					X						
								X						
								X						
								X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/10/10 0825	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 3/10/10 11:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-9-10

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: March 18, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100311-8 through -61**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 11, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/11/10
SAMPLING DATE: 03/10/10 DATE ANALYZED: 03/11/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/18/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
D0303-0.5	100311-8	6.97
D0309-2.5	100311-22	7.19
D0307-0.5	100311-24	7.02
D0313-1.0	100311-45	8.18
D0315-2.5	100311-50	8.03
D1315-2.5	100311-56	7.78
D0316-1.0	100311-59	7.76

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/11/2011	100311-8	6.97	6.99	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/9/2010	LCS 1/2	667	0.0	0-20	80-120	614	92%	614	92%	0.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	425	85%	2.0%

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

Analyst Signature: WP

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/11/10
SAMPLING DATE: 03/10/10 DATE ANALYZED: 03/12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/18/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0303-0.5	100311-8	3.31	1
D0303-1.0	100311-9	4.01	1
D0303-2.5	100311-10	4.01	1
D0303-5.0	100311-11	4.18	1
D0302-0.5	100311-12	15.0	1
D0302-1.0	100311-13	4.03	1
D0302-2.5	100311-14	ND	1
D0302-5.0	100311-15	ND	1
D0304-0.5	100311-16	6.11	1
D0304-1.0	100311-17	4.23	1
D0304-2.5	100311-18	4.87	1
D0304-5.0	100311-19	0.629	1
D0309-0.5	100311-20	2.04	1
D0309-1.0	100311-21	3.43	1
D0309-2.5	100311-22	2.94	1
D0309-5.0	100311-23	3.96	1
D0307-0.5	100311-24	14.8	1
D0307-1.0	100311-25	2.32	1
D0307-2.5	100311-26	3.19	1
D0310-0.5	100311-27	0.661	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/11/10
SAMPLING DATE:03/10/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/18/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0310-1.0	100311-28	2.40	1
D0310-2.5	100311-29	1.86	1
D0305-0.5	100311-30	15.3	1
D0305-1.0	100311-31	ND	1
D0305-2.5	100311-32	ND	1
D0308-0.5	100311-33	4.12	1
D0308-1.0	100311-34	3.95	1
D0308-2.5	100311-35	3.63	1
D0311-0.5	100311-36	15.6	1
D0311-1.0	100311-37	3.61	1
D0311-2.5	100311-38	ND	1
D0311-5.0	100311-39	ND	1
D0312-0.5	100311-40	8.64	1
D0312-1.0	100311-41	0.652	1
D0312-2.5	100311-42	0.544	1
D0312-5.0	100311-43	0.706	1
D0313-0.5	100311-44	6.78	1
D0313-1.0	100311-45	1.51	1
D0314-0.5	100311-46	12.6	1
D0314-1.0	100311-47	9.12	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/11/10
SAMPLING DATE: 03/10/10 DATE ANALYZED: 03/12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/18/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0315-0.5	100311-48	10.7	1
D0315-1.0	100311-49	8.22	1
D0315-2.5	100311-50	7.38	1
D0315-5.0	100311-53	11.0	1
D1315-0.5	100311-54	6.92	1
D1315-1.0	100311-55	9.90	1
D1315-2.5	100311-56	8.45	1
D1315-5.0	100311-57	5.54	1
D0316-0.5	100311-58	12.8	1
D0316-1.0	100311-59	12.4	1
D0316-2.5	100311-60	5.84	1
D0316-5.0	100311-61	8.67	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100311-8	1.00	104	PASS	3.31	50.0	53.0	99%	52.7	99%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100311-28	1.00	103	PASS	2.40	50.0	47.8	91%	47.4	90%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100311-49	1.00	102	PASS	8.22	50.0	58.6	101%	58.7	101%	0%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

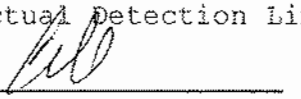
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/11/10
SAMPLING DATE:03/10/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/18/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E054	100311-51	ND	1
E052 - Auger	100311-52	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010 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
Copper (Cu)	100311-51	1.00	105	PASS	0	1.00	1.09	109%	1.12	112%	3%
Lead (Pb)	100311-51	1.00	104	PASS	0	1.00	1.04	104%	1.06	106%	2%
Zinc (Zn)	100311-51	1.00	108	PASS	0	1.00	1.09	109%	1.13	113%	4%

ANALYSIS DATE. : 3/12/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100311-135	0.00250	95.2	PASS	0	0.00250	0.00222	89%	0.00212	85%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
DO303-0.5	100311-8	3-10-10	9:24	Soil	1		ICE	X				X		
DO303-1.0	-9		9:26					X						
DO303-2.5	-10		9:28					X						
DO303-5.0	-11		9:32					X						
DO302-0.5	-12		9:51					X						
DO302-1.0	-13		9:52					X						
DO302-2.5	-14		9:54					X						
DO302-5.0	-15		9:56					X						
DO304-0.5	-16		10:13					X						
DO304-1.0	-17		10:14					X						
DO304-2.5	-18		10:18					X						
DO304-5.0	-19		10:20					X						
DO309-0.5	-20		10:35					X						
DO309-1.0	-21		10:36					X						
DO309-2.5	-22	↓	10:37	↓	↓		↓	X				X		

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:

Project Name/ID:
I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/11/10 0820
Relinquished by:	Received by: WP	Date & Time: 3/11/10 10:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0309-5.0	10031-23	3-10-10	10:41	Soil	1 ~~4~~	~~4~~	ICE	X						
D0307-0.5	-24		11:11					X			X			
D0307-1.0	-25		11:14					X						
D0307-2.5	-26		11:16					X						
D0300-0.5	-27		11:26			4℃		X						
D0310-1.0	-28		11:27					X						
D0310-2.5	-29		11:29					X						
D0305-0.5	-30		11:46					X						
D0305-1.0	-31		11:47					X						
D0305-2.5	-32		11:50					X						
D0308-0.5	-33		12:01					X						
D0308-1.0	-34		12:03					X						
D0308-2.5	-35		12:05					X						
D0311-0.5	-36		12:19					X						
D0311-1.0	-37	↓	12:21	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/11/10 0800
Relinquished by:	Received by:	Date & Time: 3/11/10 10:12
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0311-2.5	10031 -38	3-10-10	12:22	Soil	1		ICE	X						
D0311-5.0	-39	"	12:24	"	"		"	X						
D0312-0.5	-40	"	12:39	"	"		"	X						
D0312-1.0	-41	"	12:40	"	"		"	X						
D0312-2.5	-42	"	12:42	"	"		"	X						
D0312-5.0	-43	"	12:44	"	"		"	X						
D0313-0.5	-44	"	13:03	"	"		"	X						
D0313-1.0	-45	"	13:05	"	"		"	X			X			
D0314-0.5	-46	"	13:29	"	"		"	X						
D0314-1.0	-47	"	13:24	"	"		"	X						
D0315-0.5	-48	"	13:59	"	"		"	X						
D0315-1.0	-49	"	14:01	"	"		"	X						
D0315-2.5	-50	"	14:03	✓	"		"	X			X			
EQ54	-51	"	12:48	WATER	"		"	X						
EQ52-Auger	-52	✓	12:49	WATER	✓		✓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/11/10 0820
Relinquished by:	Received by:	Date & Time: 3/11/10 1000
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						COMMENTS
								Analysis Required										
D0315-5.0	(603)-53	3-10-10	14:05	Soil	1		ICE	X										
D1315-0.5	-54		14:13					X										
D1315-1.0	-55		14:13					X										
D1315-2.5	-56		14:17					X				X						
D1315-5.0	-57		14:19					X										
D0316-0.5	-58		14:36					X										
D0316-1.0	-59		14:37					X				X						
D0316-2.5	-60		14:40					X										
D0316-5.0	-61	✓	14:42	✓	1		✓	X										
								X										
								X										
								X										
								X										
								X										
								X										

Misc.

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:

Project Name/ID:
I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/11/10 0800
Relinquished by:	Received by:	Date & Time: 3/11/10 1000
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

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: March 18, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100311-62 through -122**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 11, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/11/10
SAMPLING DATE:03/10/10 DATE ANALYZED:03/11/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/18/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
C0249-5.0	100311-65	7.66
C0245-1.0	100311-77	8.01
C0243-0.5	100311-80	7.77
C0237-1.0	100311-110	7.84
C0235-0.5	100311-115	7.56
C1235-0.5	100311-119	7.67

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/11/2011	100311-8	6.97	6.99	0.3%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/9/2010	LCS 1/2	667	0.0	0-20	80-120	614	92%	614	92%	0.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/11/10
SAMPLING DATE:03/10/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/18/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0249-0.5	100311-62	17.2	1
C0249-1.0	100311-63	3.30	1
C0249-2.5	100311-64	2.95	1
C0249-5.0	100311-65	2.65	1
C0247-0.5	100311-66	8.94	1
C0247-1.0	100311-67	3.74	1
C0246-0.5	100311-68	4.88	1
C0246-1.0	100311-69	6.65	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/11/10
SAMPLING DATE:03/10/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/18/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0246-2.5	100311-70	1.72	1
C0246-5.0	100311-71	5.52	1
C0244-0.5	100311-72	7.93	1
C0244-1.0	100311-73	7.60	1
C0244-2.5	100311-74	7.45	1
C0244-5.0	100311-75	6.29	1
C0245-0.5	100311-76	16.8	1
C0245-1.0	100311-77	7.46	1
C0245-2.5	100311-78	30.2	1
C0245-5.0	100311-79	15.4	1
C0243-0.5	100311-80	12.5	1
C0243-1.0	100311-81	2.43	1
C0243-2.5	100311-82	4.99	1
C0243-5.0	100311-83	4.92	1
C0242-0.5	100311-84	21.3	1
C0242-1.0	100311-85	4.30	1
C0242-2.5	100311-86	11.3	1
C0242-5.0	100311-87	2.16	1
C0241-0.5	100311-89	10.6	1
C0241-1.0	100311-90	35.7	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/11/10
SAMPLING DATE:03/10/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/18/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0241-2.5	100311-91	11.7	1
C0241-5.0	100311-92	5.55	1
C1241-0.5	100311-93	10.4	1
C1241-1.0	100311-94	22.9	1
C1241-2.5	100311-95	9.26	1
C1241-5.0	100311-96	6.16	1
C0240-0.5	100311-97	22.2	1
C0240-1.0	100311-98	9.78	1
C0240-2.5	100311-99	5.14	1
C0240-5.0	100311-100	5.57	1
C0239-0.5	100311-101	24.2	1
C0239-1.0	100311-102	2.57	1
C0239-2.5	100311-103	2.19	1
C0239-5.0	100311-104	4.99	1
C0238-0.5	100311-105	13.6	1
C0238-1.0	100311-106	10.1	1
C0238-2.5	100311-107	2.39	1
C0238-5.0	100311-108	9.18	1
C0237-0.5	100311-109	12.7	1
C0237-1.0	100311-110	9.58	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
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STLC Limit for lead = 5 PPM
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/11/10
SAMPLING DATE: 03/10/10 DATE ANALYZED: 03/12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/18/10

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0236-0.5	100311-111	10.2	1
C0236-1.0	100311-112	8.69	1
C0236-2.5	100311-113	4.14	1
C0236-5.0	100311-114	6.99	1
C0235-0.5	100311-115	17.0	1
C0235-1.0	100311-116	9.74	1
C0235-2.5	100311-117	14.2	1
C0235-5.0	100311-118	9.25	1
C1235-0.5	100311-119	11.9	1
C1235-1.0	100311-120	8.72	1
C1235-2.5	100311-121	12.4	1
C1235-5.0	100311-122	7.13	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100311-49	1.00	102	PASS	8.22	50.0	58.6	101%	58.7	101%	0%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010 **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
Lead (Pb)	100311-70	1.00	102	*PASS*	1.72	50.0	51.3	99%	50.7	98%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100311-92	1.00	104	PASS	0	50.0	50.7	101%	52.3	105%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

(P.4 of 4)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010 **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
Lead (Pb)	100311-112	1.00	102	PASS	8.69	50.0	56.3	95%	56.2	95%	0%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: WATER DATE RECEIVED: 03/11/10
SAMPLING DATE: 03/10/10 DATE ANALYZED: 03/12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/18/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E051	100311-88	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010 — **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
Copper (Cu)	100311-51	1.00	105	PASS	0	1.00	1.09	109%	1.12	112%	3%
Lead (Pb)	100311-51	1.00	104	PASS	0	1.00	1.04	104%	1.06	106%	2%
Zinc (Zn)	100311-51	1.00	108	PASS	0	1.00	1.09	109%	1.13	113%	4%

ANALYSIS DATE. : 3/12/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100311-135	0.00250	95.2	PASS	0	0.00250	0.00222	89%	0.00212	85%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
- 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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C0249-0.5	0031-62	3.10.10	9:11	Soil	1		Ice	X						
C0249-1.0	-63		09:12					X						
C0249-2.5	-64		09:20					X						
C0249-5.0	-65		09:24					X			X			
C0247-0.5	-66		09:35					X						
C0247-1.0	-67		09:36					X						
C0246-0.5	-68		09:45					X						
C0246-1.0	-69		09:46					X						
C0246-2.5	-70		09:48					X						
C0246-5.0	-71		09:56					X						
C0244-0.5	-72		10:07					X						
C0244-1.0	-73		10:08					X						
C0244-2.5	-74		10:11					X						
C0244-5.0	-75		10:15					X						
C0245-0.5	-76	↓	10:25	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/11/10 0800
Relinquished by:	Received by: WP	Date & Time: 3/11/10 10:20
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
C0245-1.0	1003 1-77	3-10-10	10:26	Soil	1		Ice	X				X							
C0245-2.5	-78		10:31					X											
C0245-5.0	-79		10:34					X											
C0243-0.5	-80		10:45					X				X							
C0243-1.0	-81		10:46					X											
C0243-2.5	-82		10:49					X											
C0243-5.0	-83		10:53					X											
C0242-0.5	-84		11:04					X											
C0242-1.0	-85		11:05					X											
C0242-2.5	-86		11:08					X											
C0242-5.0	-87		11:11					X											
EQ51	-88		11:14	Water			HNO_3	X											
C0241-0.5	-89		11:23	Soil			Ice	X											
C0241-1.0	-90		11:24					X											
C0241-2.5	-91		11:27					X											

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/11/10 0850
Relinquished by:	Received by:	Date & Time: 3/11/10 10:12
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C0241-5.0	603111-92	3-10-10	11:34	Soil	1		Ice	X						
C1241-0.5	-93		11:38					X						
C1241-1.0	-94		11:39					X						
C1241-2.5	-95		11:42					X						
C1241-5.0	-96		11:46					X						
C0240-0.5	-97		12:00					X						
C0240-1.0	-98		12:01					X						
C0240-2.5	-99		12:04					X						
C0240-5.0	-100		12:07					X						
C0239-0.5	-101		12:19					X						
C0239-1.0	-102		12:20					X						
C0239-2.5	-103		12:22					X						
C0239-5.0	-104		12:26					X						
C0238-0.5	-105		12:38					X						
C0238-1.0	-106		12:39					X						

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:

Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/11/10 0800
Relinquished by:	Received by: WP	Date & Time: 3/11/10 1000
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

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CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C0258-2.5	10031-107	3-10-10	12:43	Soil	1		Ice	X						
C0238-5.0	-108		12:48					X						
C0237-0.5	-109		13:01					X						
C0237-1.0	-110		13:02					X			X			
C0236-0.5	-111		13:20					X						
C0236-1.0	-112		13:21					X						
C0236-2.5	-113		13:23					X						
C0236-5.0	-114		13:30					X						
C0235-0.5	-115		14:10					X			X			
C0235-1.0	-116		14:11					X						
C0235-2.5	-117		14:14					X						
C0235-5.0	-118		14:18					X						
C1235-0.5	-119		14:24					X			X			
C1235-1.0	-120		14:25					X						
C1235-2.5	-121		14:28					X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/11/10 0800
Relinquished by:	Received by:	Date & Time: 3/11/10 10:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

WHITE WITH SAMPLE - YELLOW TO CLIENT

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Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
C1235-5.0	10031-172	3-10-10	14:32	Soil	1		Ice	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name:	Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:
Address:	41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001
City/State/Zip:	Temecula, CA 92591	Fax: 951-296-0534	

Relinquished by:	Received by:	Date & Time: 3/11/10 0800	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/11/10 10:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-10-10

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: March 19, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100312-4 through -61**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 12, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/12/10
SAMPLING DATE:03/11/10 DATE ANALYZED:03/16/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/19/10

pH ANALYSIS; PAGE 1 OF 2
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
D0318-0.5	100312-8	7.08

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: SOLID/LIQUID

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/16/2010	100316-154	8.11	8.13	0.2%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/12/2010	LCS3/4	667	0.0	0-20	80-120	640	96%	647	97%	1.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/12/10
SAMPLING DATE: 03/11/10 DATE ANALYZED: 03/12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/19/10

pH ANALYSIS; PAGE 2 OF 2
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
D0319-0.5	100312-12	7.08
D0320-5.0	100312-19	7.24
D0324-1.0	100312-37	7.49
D0326-0.5	100312-42	7.53
D0327-4.0	100312-49	7.83
D0328-2.5	100312-52	7.92
D0329-2.5	100312-56	7.82

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/12/2010	100312-132	6.98	6.97	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/9/2010	LCS 1/2	667	0.0	0-20	80-120	614	92%	614	92%	0.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

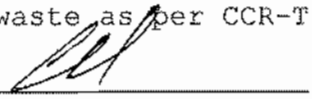
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/12/10
SAMPLING DATE: 03/11/10 DATE ANALYZED: 03/12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/19/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0317-0.5	100312-4	12.6	1
D0317-1.0	100312-5	5.57	1
D0317-2.5	100312-6	4.90	1
D0317-5.0	100312-7	5.74	1
D0318-0.5	100312-8	11.1	1
D0318-1.0	100312-9	9.89	1
D0318-2.5	100312-10	7.09	1
D0318-5.0	100312-11	28.3	1
D0319-0.5	100312-12	5.89	1
D0319-1.0	100312-13	8.73	1
D0319-2.5	100312-14	9.12	1
D0319-5.0	100312-15	7.89	1
D0320-0.5	100312-16	15.0	1
D0320-1.0	100312-17	15.7	1
D0320-2.5	100312-18	8.58	1
D0320-5.0	100312-19	41.2	1
D0321-0.5	100312-20	13.3	1
D0321-1.0	100312-21	6.77	1
D0321-2.5	100312-22	5.89	1
D0321-5.0	100312-23	36.6	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/12/10
SAMPLING DATE: 03/11/10 DATE ANALYZED: 03/12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/19/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D1321-0.5	100312-24	5.71	1
D1321-1.0	100312-25	5.48	1
D1321-2.5	100312-26	4.54	1
D1321-5.0	100312-27	4.02	1
D0322-0.5	100312-28	6.53	1
D0322-1.0	100312-29	6.66	1
D0322-2.5	100312-30	7.46	1
D0322-5.0	100312-31	7.42	1
D0323-0.5	100312-32	14.7	1
D0323-1.0	100312-33	10.8	1
D0323-2.5	100312-34	10.3	1
D0323-5.0	100312-35	5.40	1
D0324-0.5	100312-36	11.7	1
D0324-1.0	100312-37	12.3	1
D0324-2.5	100312-38	5.88	1
D0325-0.5	100312-39	11.3	1
D0325-1.0	100312-40	36.9	1
D0325-2.5	100312-41	9.29	1
D0326-0.5	100312-42	23.0	1
D0326-1.0	100312-43	21.6	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/12/10
SAMPLING DATE:03/11/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/19/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0326-2.5	100312-44	28.0	1
D0327-0.5	100312-45	49.8	1
D0327-1.0	100312-46	10.8	1
D0327-2.5	100312-47	23.2	1
D0327-4.0	100312-49	5.70	1
D0328-0.5	100312-50	20.0	1
D0328-1.0	100312-51	13.2	1
D0328-2.5	100312-52	6.26	1
D0328-4.5	100312-53	9.17	1
D0329-0.5	100312-54	10.6	1
D0329-1.0	100312-55	7.40	1
D0329-2.5	100312-56	12.9	1
D0329-4.0	100312-57	14.3	1
D0330-0.5	100312-58	13.3	1
D0330-1.0	100312-59	16.9	1
D0330-2.5	100312-60	5.30	1
D0330-3.0	100312-61	5.51	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100312-5	1.00	100	PASS	5.57	50.0	52.0	93%	53.4	96%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100312-25	1.00	100	PASS	5.48	50.0	54.0	97%	54.3	98%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100312-44	1.00	98	PASS	28.0	50.0	77.1	98%	77.8	100%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/12/10
SAMPLING DATE:03/11/10 DATE ANALYZED:03/15/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/19/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E056	100312-48	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/15/2010 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
Lead (Pb)	100312-48	1.00	102	PASS	0	1.00	1.05	105%	1.06	106%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0317-0.5	170312-4	3-11-10	9:24	Soil	1	X	ICE	X						
D0317-1.0	-5		9:27					X						
D0317-2.5	-6		9:31					X						
D0317-5.0	-7		9:31					X						
D0318-0.5	-8		9:43					X			X			
D0318-1.0	-9		9:45					X						
D0318-2.5	-10		9:54					X						
D0318-5.0	-11		9:59					X						
D0319-0.5	-12		10:15					X			X			
D0319-1.0	-13		10:16					X						
D0319-2.5	-14		10:17					X						
D0319-5.0	-15		10:19					X						
D0320-0.5	-16		10:32					X						
D0320-1.0	-17		10:39					X						
D0320-2.5	-18	↓	10:41	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.	**Project Contact:** Kristin Stout	**Sampler's Signature:**
Address: 41715 Enterprise Circle N., Suite 103	**Tel:** 951-252-8927	**Project Name/ID:** I-15 CIP ADL Survey / 603008001
City/State/Zip: Temecula, CA 92591	**Fax:** 951-296-0534	

Relinquished by:	Received by:	Date & Time: 3/12/10 0750
Relinquished by:	Received by:	Date & Time: 3/12/10 10:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-11-10

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
⊗ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
D0320-5.0	100312 - 19	3-11-10	10.43	Soil	1		ICE	X				X						
D0321-0.5	- 20		10.57					X										
D0321-1.0	- 21		11:00					X										
D0321-2.5	- 22		11:01					X										
D0321-5.0	- 23		11:03					X										
D1321-0.5	- 24		11:05					X										
D1321-1.0	- 25		11:06					X										
D1321-2.5	- 26		11:07					X										
D1321-5.0	- 27		11:09					X										
D0322-0.5	- 28		11:55					X										
D0322-1.0	- 29		11:55					X										
D0322-2.5	- 30		11:57					X										
D0322-5.0	- 31		12:00					X										
D0323-0.5	- 32		12:12					X										
D0323-1.0	- 33		12:13					X										

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/12/10 07:52
Relinquished by:	Received by: WP	Date & Time: 3/12/10 10:N
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-11-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0323-2.5	100312-34	3-11-10	12:15	Soil	1		ICE	X						
D0323-5.0	-35		12:17					X						
D0324-0.5	-36		12:30					X						
D0324-1.0	-37		12:31					X			X			
D0324-2.5	-38		12:34					X						
D0325-0.5	-39		12:48					X						
D0325-1.0	-40		12:50					X						
D0325-2.5	-41		12:52					X						
D0326-0.5	-42		13:04					X			X			
D0326-1.0	-43		13:06					X						
D0326-2.5	-44		13:08					X						
D0327-0.5	-45		13:24					X						
D0327-1.0	-46		13:26					X						
D0327-2.5	-47		13:28					X						
~~E054~~ E056*	-48	↓	13:09	Water	↓		↓	X						*As per Revised COC from Kristin

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:

Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/12/10 0750	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 3/12/10 10:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-11-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0327-4.0	100312-49	3-11-10	13:31	Soil	1		ICE	X			X			
D0328-0.5	-50		13:43					X						
D0328-1.0	-51		13:45					X						
D0328-2.5	-52		13:47					X			X			
D0328-4.5	-53		13:50					X						
D0329-0.5	-54		14:04					X						
D0329-1.0	-55		14:05					X						
D0329-2.5	-56		14:08					X			X			
D0329-4.0	-57		14:10					X						
D0330-0.5	-58		14:24					X						
D0330-1.0	-59		14:26					X						
D0330-2.5	-60	↓	14:29	↓	↓		↓	X						
D0330-3.0	-61	↓	14:31	↓	↓		↓	X						
								X						
								X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/12/10 0730	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 3/12/10 10:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-11-10

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: March 19, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100312-62 through -122**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 12, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/12/10
SAMPLING DATE: 03/11/10 DATE ANALYZED: 03/12/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/19/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
C0232-2.5	100312-72	7.75
C0225-2.5	100312-101	7.78
C0224-0.5	100312-103	7.36
C1224-0.5	100312-107	7.51
C0222-2.5	100312-113	8.18
C1222-2.5	100312-117	8.16

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/12/2010	100312-132	6.98	6.97	0.1%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/9/2010	LCS 1/2	667	0.0	0-20	80-120	614	92%	614	92%	0.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/12/10
SAMPLING DATE:03/11/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/19/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 5
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0234-0.5	100312-62	6.72	1
C0234-1.0	100312-63	31.4	1
C0234-2.5	100312-64	5.64	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

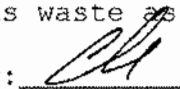
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/12/10
SAMPLING DATE:03/11/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/19/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 5
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0234-5.0	100312-65	8.10	1
C0233-0.5	100312-66	22.9	1
C0233-1.0	100312-67	4.20	1
C0233-2.5	100312-68	4.73	1
C0233-5.0	100312-69	21.2	1
C0232-0.5	100312-70	11.4	1
C0232-1.0	100312-71	6.94	1
C0232-2.5	100312-72	10.1	1
C0232-5.0	100312-73	10.1	1
C0231-0.5	100312-74	21.8	1
C0231-1.0	100312-75	3.43	1
C0231-2.5	100312-76	3.03	1
C0231-5.0	100312-77	6.66	1
C0230-0.5	100312-78	13.5	1
C0230-1.0	100312-79	3.73	1
C0230-2.5	100312-80	11.6	1
C0230-5.0	100312-81	9.47	1
C0229-0.5	100312-82	18.0	1
C0229-1.0	100312-83	2.90	1
C0229-2.5	100312-84	5.06	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/12/10
SAMPLING DATE:03/11/10 DATE ANALYZED:03/12/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/19/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 5
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0229-5.0	100312-85	7.91	1
C0228-0.5	100312-86	15.3	1
C0228-1.0	100312-87	4.27	1
C0228-2.5	100312-88	6.69	1
C0228-5.0	100312-89	6.44	1
C0227-0.5	100312-91	7.82	1
C0227-1.0	100312-92	4.36	1
C0227-2.5	100312-93	3.16	1
C0227-5.0	100312-94	7.28	1
C0226-0.5	100312-95	14.9	1
C0226-1.0	100312-96	4.13	1
C0226-2.5	100312-97	10.9	1
C0226-5.0	100312-98	8.85	1
C0225-0.5	100312-99	2.76	1
C0225-1.0	100312-100	4.12	1
C0225-2.5	100312-101	6.31	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
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STLC Limit for lead = 5 PPM
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/12/10
SAMPLING DATE: 03/11/10 DATE ANALYZED: 03/15/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/19/10

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 5
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0225-5.0	100312-102	11.4	1
C0224-0.5	100312-103	8.37	1
C0224-1.0	100312-104	4.10	1
C0224-2.5	100312-105	4.43	1
C0224-5.0	100312-106	2.32	1
C1224-0.5	100312-107	7.82	1
C1224-1.0	100312-108	4.67	1
C1224-2.5	100312-109	3.64	1
C1224-5.0	100312-110	2.49	1
C0222-0.5	100312-111	3.00	1
C0222-1.0	100312-112	4.32	1
C0222-2.5	100312-113	4.69	1
C0222-5.0	100312-114	3.71	1
C1222-0.5	100312-115	7.27	1
C1222-1.0	100312-116	4.16	1
C1222-2.5	100312-117	4.00	1
C1222-5.0	100312-118	2.33	1
C0223-0.5	100312-119	3.40	1
C0223-1.0	100312-120	4.53	1
C0223-2.5	100312-121	7.12	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/12/10
SAMPLING DATE: 03/11/10 DATE ANALYZED: 03/15/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/19/10

EPA 6010B FOR TTLC-LEAD; PAGE 5 OF 5
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0223-5.0	100312-122	5.90	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010

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
Lead (Pb)	100312-44	1.00	98	PASS	28.0	50.0	77.1	98%	77.8	100%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010 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
Lead (Pb)	100312-77	1.00	101	PASS	6.66	50.0	54.8	96%	54.1	95%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/12/2010 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
Lead (Pb)	100312-85	1.00	101	PASS	7.91	50.0	58.4	101%	59.8	104%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: e

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/15/2010 **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
Lead (Pb)	100312-106	1.00	102	PASS	2.32	50.0	58.6	113%	59.4	114%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/15/2010 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
Lead (Pb)	100312-142	1.00	107	PASS	2.87	50.0	52.8	100%	53.6	101%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

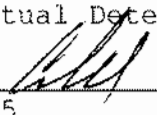
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/12/10
SAMPLING DATE:03/11/10 DATE ANALYZED:03/15/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/19/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E053	100312-90	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/15/2010 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
Lead (Pb)	100312-48	1.00	102	PASS	0	1.00	1.05	105%	1.06	106%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C0234-0.5	100312-62	3-11-10	09:16	Soil	1		Ice	X						
C0234-1.0	-63		09:17					X						
C0234-2.5	-64		09:20					X						
C0234-5.0	-65		09:27					X						
C0233-0.5	-66		09:39					X						
C0233-1.0	-67		09:40					X						
C0233-2.5	-68		09:43					X						
C0233-5.0	-69		09:46					X						
C0232-0.5	-70		09:58					X						
C0232-1.0	-71		09:59					X						
C0232-2.5	-72		10:03					X			X			
C0232-5.0	-73		10:07					X						
C0231-0.5	-74		10:25					X						
C0231-1.0	-75		10:26					X						
C0231-2.5	-76		10:29					X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/12/10 0730
Relinquished by:	Received by:	Date & Time: 3/12/10 10:10
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-11-10

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C0231-5.0	100312-77	3-11-10	10:33	Soil	1		Ice	X						
C0230-0.5	-78		10:44					X						
C0230-1.0	-79		10:45					X						
C0230-2.5	-80		10:48					X						
C0230-5.0	-81		10:51					X						
C0229-0.5	-82		11:20					X						
C0229-1.0	-83		11:21					X						
C0229-2.5	-84		11:23					X						
C0229-5.0	-85		11:26					X						
C0228-0.5	-86		11:58					X						
C0228-1.0	-87		11:59					X						
C0228-2.5	-88		12:04					X						
C0228-5.0	-89		12:08					X						
F053	-90		12:10	Water			HNO_3	X						
C0227-0.5	-91		12:24	Soil			Ice	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/12/10 0730	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by: WP	Date & Time: 3/12/10 10:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-11-10

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
Co227-1.0	100312-92	3-11-10	12:25	Soil	1		Ice	X											
Co227-2.5	-93		12:31					X											
Co227-5.0	-94		12:36					X											
Co226-0.5	-95		12:48					X											
Co226-1.0	-96		12:49					X											
Co226-2.5	-97		12:51					X											
Co226-5.0	-98		12:54					X											
Co225-0.5	-99		13:01					X											
Co225-1.0	-100		13:02					X											
Co225-2.5	-101		13:07					X				X							
Co225-5.0	-102		13:11					X											
Co224-0.5	-103		13:19					X				X							
Co224-1.0	-104		13:20					X											
Co224-2.5	-105		13:23					X											
Co224-5.0	-106	↓	13:26	↓	↓		↓	X											

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/12/10 0750
Relinquished by:	Received by:	Date & Time: 3/12/10 10:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-11-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C1224-0.5	100312-107	3-11-10	13:30	Soil	1		Ice	X			X			
C1224-1.0	-108		13:31					X						
C1224-2.5	-109		13:33					X						
C1224-5.0	-110		13:36					X						
C0222-0.5	-111		13:46					X						
C0222-1.0	-112		13:47					X						
C0222-2.5	-113		13:49					X			X			
C0222-5.0	-114		13:51					X						
C1222-0.5	-115		13:56					X						
C1222-1.0	-116		13:57					X						
C1222-2.5	-117		13:59					X			X			
C1222-5.0	-118		14:03					X						
C0223-0.5	-119		14:29					X						
C0223-1.0	-120		14:30					X						
C0223-2.5	-121	↓		↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/12/10 0750
Relinquished by:	Received by:	Date & Time: 3/12/10 10:00
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-11-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
C0223-S-0	10031 2 -122	3-11-10	14:34	Soil	1		Ice	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name: Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:	
Address: 41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001	
City/State/Zip: Temecula, CA 92591	Fax: 951-296-0534		

Relinquished by:	Received by:	Date & Time: 3/12/10 0730	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/12/10 10:00	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/11/10

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: March 23, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100316-53 through -118**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 16, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/16/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
D0333-1.0	100316-71	7.12
D0336-2.5	100316-76	7.29
D0336-3.5	100316-77	7.18
D0338-2.5	100316-84	7.83
D0340-1.0	100316-91	7.88
D0341-2.5	100316-96	8.04
D0341-5.0	100316-98	7.85
D0343-0.5	100316-103	7.17
D0343-5.0	100316-106	8.02
D1343-0.5	100316-107	7.35
D1343-5.0	100316-110	7.97

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/16/2010	100316-154	8.11	8.13	0.2%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/12/2010	LCS3/4	667	0.0	0-20	80-120	640	96%	647	97%	1.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0331-0.5	100316-53	10.3	1
D0331-1.0	100316-54	30.7	1
D0331-2.5	100316-55	17.6	1
D0331-5.0	100316-56	22.4	1
D0332-0.5	100316-57	11.2	1
D0332-1.0	100316-58	7.59	1
D0332-2.5	100316-59	14.8	1
D0332-5.0	100316-60	30.9	1
D0335-0.5	100316-61	32.6	1
D0335-1.0	100316-62	13.0	1
D0335-2.0	100316-63	10.7	1
D0334-0.5	100316-64	7.00	1
D0334-1.0	100316-65	5.10	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0334-1.5	100316-66	3.56	1
D1334-0.5	100316-67	4.39	1
D1334-1.0	100316-68	4.61	1
D1334-1.5	100316-69	16.1	1
D0333-0.5	100316-70	12.8	1
D0333-1.0	100316-71	11.7	1
D0333-2.5	100316-72	13.7	1
D0333-5.0	100316-73	8.20	1
D0336-0.5	100316-74	10.8	1
D0336-1.0	100316-75	6.36	1
D0336-2.5	100316-76	12.6	1
D0336-3.5	100316-77	47.1	1
D0337-0.5	100316-78	13.9	1
D0337-1.0	100316-79	12.3	1
D0337-2.5	100316-80	14.7	1
D0337-5.0	100316-81	5.68	1
D0338-0.5	100316-82	9.42	1
D0338-1.0	100316-83	12.3	1
D0338-2.5	100316-84	11.2	1
D0338-5.0	100316-85	8.24	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0339-0.5	100316-86	25.6	1
D0339-1.0	100316-87	5.71	1
D0339-2.5	100316-88	6.30	1
D0339-5.0	100316-89	12.4	1
D0340-0.5	100316-90	9.32	1
D0340-1.0	100316-91	9.00	1
D0340-2.5	100316-92	6.64	1
D0340-5.0	100316-93	6.83	1
D0341-0.5	100316-94	21.4	1
D0341-1.0	100316-95	9.41	1
D0341-2.5	100316-96	9.70	1
D0341-5.0	100316-98	7.83	1
D0342-0.5	100316-99	10.0	1
D0342-1.0	100316-100	8.05	1
D0342-2.5	100316-101	6.13	1
D0342-5.0	100316-102	8.65	1
D0343-0.5	100316-103	2.29	1
D0343-1.0	100316-104	9.54	1
D0343-2.5	100316-105	16.8	1
D0343-5.0	100316-106	5.18	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D1343-0.5	100316-107	3.56	1
D1343-1.0	100316-108	7.38	1
D1343-2.5	100316-109	5.03	1
D1343-5.0	100316-110	11.0	1
D0344-0.5	100316-111	7.22	1
D0344-1.0	100316-112	6.69	1
D0344-2.5	100316-113	5.74	1
D0344-5.0	100316-114	5.63	1
D0345-0.5	100316-115	11.2	1
D0345-1.0	100316-116	12.8	1
D0345-2.5	100316-117	5.78	1
D0345-5.0	100316-118	5.51	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010

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
Lead (Pb)	100316-54	1.00	103	PASS	30.7	50.0	79.8	98%	80.7	100%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010

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
Lead (Pb)	100316-66	1.00	107	PASS	3.56	50.0	49.9	93%	51.0	95%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 **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
Lead (Pb)	100316-92	1.00	106	PASS	6.64	50.0	53.6	94%	53.9	95%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 **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
Lead (Pb)	100316-110	1.00	106	*PASS*	11.0	50.0	59.5	97%	60.2	98%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: D

FINAL REVIEWER: [signature]

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E058	100316-97	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 **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
Copper (Cu)	100316-97	1.00	100	PASS	0	1.00	0.957	96%	0.963	96%	1%
Lead (Pb)	100316-97	1.00	102	PASS	0	1.00	1.01	101%	1.00	100%	1%
Zinc (Zn)	100316-97	1.00	104	PASS	0	1.00	1.03	103%	1.02	102%	1%

ANALYSIS DATE. : 3/12/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100311-135	0.00250	95.2	PASS	0	0.00250	0.00222	89%	0.00212	85%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
Ø 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
D0331-0.5	100316-53	3.15.10	9:25	Soil	1		ICE	X										
D0331-1.0	54		9:26					X										
D0331-2.5	55		9:27					X										
D0331-5.0	56		9:29					X										
D0332-0.5	57		9:39					X										
D0332-1.0	58		9:40					X										
D0332-2.5	59		9:42					X										
D0332-5.0	60		9:44					X										
D0335-0.5	61		9:53					X										
D0335-1.0	62		9:54					X										
D0335-2.0	63		9:57					X										
D0334-0.5	64		10:08					X										
D0334-1.0	65		10:09					X										
D0334-1.5	66		10:10					X										
D1334-0.5	67	↓	10:11	↓	↓		↓	X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	3/16/10 Date & Time: 0850	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	3/16/10 Date & Time: 1055	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/15/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045							Misc.	COMMENTS
								Analysis Required												
D1334-1.0	603168	3-15-10	10:12	Soil	1		ICE	X												
D1334-1.5	69		10:13					X												
D0333-0.5	70		10:22					X												
D0333-1.0	71		10:23					X				X								
D0333-2.5	72		10:24					X												
D0333-5.0	73		10:26					X												
D0336-0.5	74		10:36					X												
D0336-1.0	75		10:38					X												
D0336-2.5	76		10:40					X				X								
D0336-3.5	77		10:41					X				X								
D0337-0.5	78		10:52					X												
D0337-1.0	79		10:53					X												
D0337-2.5	80		10:55					X												
D0337-5.0	81		10:58					X												
D0338-0.5	82	↓	11:46	↓	↓		↓	X												

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/16/10 0852
Relinquished by:	Received by:	Date & Time: 3/16/10 1055
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-15-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0338-1.0	10316-83	3-15-10	10:42	Soil	1		ICE	X						
D0338-2.5	84		11:49					X			X			
D0338-5.0	85		11:51					X						
D0339-0.5	86		12:09					X						
D0339-1.0	87		12:10					X						
D0339-2.5	88		12:12					X						
D0339-5.0	89		12:14					X						
D0340-0.5	90		12:25					X						
D0340-1.0	91		12:26					X			X			
D0340-2.5	92		12:28					X						
D0340-5.0	93		12:30					X						
D0341-0.5	94		12:41					X						
D0341-1.0	95		12:42					X						
D0341-2.5	96		12:43	↓				X			X			
~~E056~~ E058	97	↓	12:31	water	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/16/10 0850
Relinquished by:	Received by:	Date & Time: 3/16/10 1055
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-15-10

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~~ Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0341-5.0	100316-98	3-15-10	12:45	Soil	1		ICE	X			X			
D0342-0.5	99		13:06					X						
D0342-1.0	100		13:07					X						
D0342-2.5	101		13:08					X						
D0342-5.0	102		13:11					X						
D0343-0.5	103		13:30					X			X			
D0343-1.0	104		13:31					X						
D0343-2.5	105		13:32					X						
D0343-5.0	106		13:34					X			X			
D1343-0.5	107		13:37					X			X			
D1343-1.0	108		13:38					X						
D1343-2.5	109		13:39					X						
D1343-5.0	110		13:41					X			X			
D0344-0.5	111		14:00					X						
D0344-1.0	112	↓	14:01	↓	↓		↓	X						

Company Name: **Leighton Consulting, Inc.**	Project Contact: **Kristin Stout**	Sampler's Signature:	
Address: **41715 Enterprise Circle N., Suite 103**	Tel: **951-252-8927**	Project Name/ID: **I-15 CIP ADL Survey / 603008001**	
City/State/Zip: **Temecula, CA 92591**	Fax: **951-296-0534**		

Relinquished by:	Received by:	Date & Time: 3/16/10 0857	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/16/10 1055	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/15/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
D0344-2.5	100316-113	3/15/10	14:03	Soil	1		ICE	X										
D0344-5.0	114	3/15/10	14:06	Soil	1		ICE	X										
D0345-0.5	115	↓	14:17	↓	↓		↓	X										
D0345-1.0	116		14:18					X										
D0345-2.5	117		14:20					X										
D0345-5.0	118	↓	14:22	↓	↓		↓	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name:	Leighton Consulting, Inc.	Project Contact:	Kristin Stout
Address:	41715 Enterprise Circle N., Suite 103	Tel:	951-252-8927
City/State/Zip:	Temecula, CA 92591	Fax:	951-296-0534

Sampler's Signature:

Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/16/10 0850
Relinquished by:	Received by:	Date & Time: 3/16/10 1053
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-15-10

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: March 23, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100316-119 through -154**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 16, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/16/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

---

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
C0217-0.5	100316-134	7.82
C0216-5.0	100316-141	7.70
C0213-5.0	100316-154	8.11

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
~~EC~~	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
~~pH~~	pH units	3/16/2010	100316-154	8.11	8.13	0.2%	0-20
~~TDS~~	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/12/2010	LCS3/4	667	0.0	0-20	80-120	640	96%	647	97%	1.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/16/10
SAMPLING DATE: 03/15/10 DATE ANALYZED: 03/17/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/23/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0221-0.5	100316-119	4.96	1
C0221-1.0	100316-120	3.36	1
C0221-2.5	100316-121	3.63	1
C0221-5.0	100316-122	4.92	1
C0219-0.5	100316-123	4.59	1
C0219-1.0	100316-124	5.10	1
C0219-2.5	100316-125	11.4	1
C0219-5.0	100316-126	3.66	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0218-0.5	100316-127	12.0	1
C0218-1.0	100316-128	3.30	1
C0218-2.5	100316-129	3.36	1
C0220-0.5	100316-130	5.98	1
C0220-1.0	100316-131	3.89	1
C0220-2.5	100316-132	8.93	1
C0220-5.0	100316-133	3.06	1
C0217-0.5	100316-134	5.81	1
C0217-1.0	100316-135	7.18	1
C0217-2.5	100316-136	6.16	1
C0217-5.0	100316-137	2.58	1
C0216-0.5	100316-138	6.93	1
C0216-1.0	100316-139	4.56	1
C0216-2.5	100316-140	3.89	1
C0216-5.0	100316-141	6.79	1
C0215-0.5	100316-142	5.89	1
C0215-1.0	100316-143	5.32	1
C0215-2.5	100316-144	6.57	1
C0215-5.0	100316-145	26.0	1
C0214-0.5	100316-147	5.18	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
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Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
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CUSTOMER: **Leighton Consulting**
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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0214-1.0	100316-148	4.85	1
C0214-2.5	100316-149	5.29	1
C0214-5.0	100316-150	6.59	1
C0213-0.5	100316-151	9.88	1
C0213-1.0	100316-152	6.93	1
C0213-2.5	100316-153	7.33	1
C0213-5.0	100316-154	8.01	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010

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
Lead (Pb)	100316-110	1.00	106	PASS	11.0	50.0	59.5	97%	60.2	98%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 **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
Lead (Pb)	100316-129	1.00	107	PASS	3.36	50.0	51.5	96%	53.0	99%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010

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
Lead (Pb)	100316-150	1.00	101	PASS	6.59	50.0	61.2	109%	62.0	111%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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LABORATORY REPORT

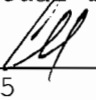
CUSTOMER: **Leighton Consulting**
41715 Enterprise Circle N, Suite 103
Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/16/10
SAMPLING DATE:03/15/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/23/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E055	100316-146	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 — **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
Copper (Cu)	100316-97	1.00	100	*PASS*	*0*	1.00	0.957	96%	0.963	96%	1%
Lead (Pb)	100316-97	1.00	102	*PASS*	*0*	1.00	1.01	101%	1.00	100%	1%
Zinc (Zn)	100316-97	1.00	104	*PASS*	*0*	1.00	1.03	103%	1.02	102%	1%

ANALYSIS DATE. : 3/12/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100311-135	0.00250	95.2	*PASS*	*0*	0.00250	0.00222	89%	0.00212	85%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Zinc (Zn)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					COMMENTS
								Analysis Required									
~~C0221-0.5~~	10036-119	3/15/10	0942	Soil	1		ice	X									
C0221-1.0	-120		0945					X									
C0221-2.5	-121		0949					X									
C0221-5.0	-122		0954					X									
C0219-0.5	-123		1008					X									
C0219-1.0	-124		1009					X									
C0219-2.5	-125		1011					X									
C0219-5.0	-126		1014					X									
C0218-0.5	-127		1027					X									
C0218-1.0	-128		1031					X									
C0218-2.5	-129		1037					X									
~~C0218-5.0~~								X									
C0220-0.5	-130		1050					X									
C0220-1.0	-131		1051					X									
C0220-2.5	-132		1054					X									

Misc./PO#

Company Name: Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:
Address: 41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001
City/State/Zip: Temecula, CA 92591	Fax: 951-296-0534	

Relinquished by:	Received by:	Date & Time: 3/16/10 1000
Relinquished by:	Received by:	Date & Time: 3/16/10 1120
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/16/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						COMMENTS
								Analysis Required										
C0220-5.0	10036-133	3/15	1056	Soil	1		ICE	X										
C0217-0.5	-134		1113					X				X						
C0217-1.0	-135		1115					X										
C0217-2.5	-136		1116					X										
C0217-5.0	-137		1120					X										
C0216-0.5	-138		1134					X										
C0216-1.0	-139		1135					X										
C0216-2.5	-140		1140					X										
C0216-5.0	-141		1141					X				X						
C0215-0.5	-142		1352					X										
C0215-1.0	-143		1353					X										
C0215-2.5	-144		1355					X										
C0215-5.0	-145		1359					X										
				✓			✓	X										
E055	-146	✓	1142	water	1		HNO_3	X										

Misc./PO#

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/16/10 1000	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/16/10 1:15 PM	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/16/10

WHITE WITH SAMPLE • YELLOW TO CLIENT

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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045							COMMENTS
								Analysis Required											
CO214-0.5	10036-147	3/15/10	1411	Soil	1		ice	X											
CO214-1.0	-148		1414					X											
CO214-2.5	-149		1416					X											
CO214-5.0	-150		~~1430~~ 1430					X											
CO213-0.5	-151		1433					X											
CO213-1.0	-152		1433					X											
CO213-2.5	-153		1437	↓	↓		↓	X											
CO213-5.0	-154		1439	Soil	1		ice	X				X							
								X											
								X											
								X											
								X											
								X											
								X											
								X											

Misc./PO#

Company Name: Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:	
Address: 41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001	
City/State/Zip: Temecula, CA 92591	Fax: 951-296-0534		

Relinquished by:	Received by:	Date & Time: 3/16/10 1800	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/16/10 1700	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/16/10

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: March 24, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100317-22 through -83**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 17, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/17/10
SAMPLING DATE:03/16/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/24/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
D0348-0.5	100317-30	6.85
D0353-2.5	100317-52	7.60
D0355-2.5	100317-60	8.37
D0356-0.5	100317-62	9.48
D0358-4.0	100317-75	7.84

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
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Tel (909)590-5905 Fax (909)590-5907

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/17/2010	100317-30	6.85	6.88	0.4%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/12/2010	LCS3/4	667	0.0	0-20	80-120	640	96%	647	97%	1.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/17/10
SAMPLING DATE:03/16/10 DATE ANALYZED:03/17/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/24/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0346-0.5	100317-22	7.43	1
D0346-1.0	100317-23	5.56	1
D0346-2.5	100317-24	3.65	1
D0346-5.0	100317-25	6.33	1
D0347-0.5	100317-26	12.4	1
D0347-1.0	100317-27	5.71	1
D0347-2.5	100317-28	8.31	1
D0347-5.0	100317-29	5.74	1
D0348-0.5	100317-30	8.46	1
D0348-1.0	100317-31	6.58	1
D0348-2.5	100317-32	6.16	1
D0348-5.0	100317-33	3.65	1
D0349-0.5	100317-34	8.44	1
D0349-1.0	100317-35	5.14	1
D0349-2.5	100317-36	5.00	1
D0349-5.0	100317-37	4.01	1
D0350-0.5	100317-38	7.08	1
D0350-1.0	100317-39	9.07	1
D0350-2.5	100317-40	3.76	1
D0350-5.0	100317-41	5.01	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/17/10
SAMPLING DATE: 03/16/10 DATE ANALYZED: 03/17/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/24/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0351-0.5	100317-42	8.74	1
D0351-1.0	100317-43	8.28	1
D0351-2.5	100317-44	7.20	1
D0351-5.0	100317-45	5.90	1
D0352-0.5	100317-46	23.0	1
D0352-1.0	100317-47	6.30	1
D0352-2.5	100317-48	5.33	1
D0352-5.0	100317-49	7.30	1
D0353-0.5	100317-50	19.1	1
D0353-1.0	100317-51	7.75	1
D0353-2.5	100317-52	7.67	1
D0353-5.0	100317-53	8.78	1
D0354-0.5	100317-54	11.5	1
D0354-1.0	100317-55	4.73	1
D0354-2.5	100317-56	8.32	1
D0354-5.0	100317-57	8.63	1
D0355-0.5	100317-58	16.7	1
D0355-1.0	100317-59	2.84	1
D0355-2.5	100317-60	1.98	1
D0355-5.0	100317-61	1.17	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/17/10
SAMPLING DATE: 03/16/10 DATE ANALYZED: 03/17/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/24/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0356-0.5	100317-62	21.4	1
D0356-1.0	100317-63	3.14	1
D0356-2.5	100317-64	12.0	1
D0356-5.0	100317-67	6.35	1
D0357-0.5	100317-68	23.4	1
D0357-1.0	100317-69	5.58	1
D0357-2.5	100317-70	3.25	1
D0357-5.0	100317-71	4.49	1
D0358-0.5	100317-72	18.8	1
D0358-1.0	100317-73	5.07	1
D0358-2.5	100317-74	5.62	1
D0358-4.0	100317-75	3.40	1
D0359-0.5	100317-76	6.31	1
D0359-1.0	100317-77	2.16	1
D0359-2.5	100317-78	1.25	1
D0359-5.0	100317-79	3.79	1
D0360-0.5	100317-80	11.8	1
D0360-1.0	100317-81	5.38	1
D0360-2.5	100317-82	0.652	1
D0360-5.0	100317-83	1.10	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 **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
Lead (Pb)	100317-23	1.00	99	PASS	5.56	50.0	62.3	113%	62.8	114%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 **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
Lead (Pb)	100317-43	1.00	98	PASS	8.74	50.0	67.2	117%	68.0	119%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 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
Lead (Pb)	100317-63	1.00	98	PASS	3.14	50.0	60.6	115%	61.0	116%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: [signature]

FINAL REVIEWER: CRA

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/17/10
SAMPLING DATE:03/16/10 DATE ANALYZED:03/18/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/24/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E062	100317-65	ND	1
E060 Auger	100317-66	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/18/2010 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
Copper (Cu)	100317-65	1.00	99	PASS	0	1.00	1.01	101%	0.958	96%	5%
Lead (Pb)	100317-65	1.00	105	PASS	0	1.00	1.00	100%	0.978	98%	2%
Zinc (Zn)	100317-65	1.00	107	PASS	0	1.00	1.02	102%	1.00	100%	2%

ANALYSIS DATE. : 3/17/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100316-167	0.00250	92.0	PASS	0	0.00250	0.00210	84%	0.00219	88%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
D0346-0.5	(10037-)22	3.16.10	9:09	Soil	1 bt		ICE	X											
D0346-1.0	-23		9:10					X											
D0346-2.5	-24		9:12					X											
D0346-5.0	-25		9:14					X											
D0347-0.5	-26		9:43					X											
D0347-1.0	-27		9:43					X											
D0347-2.5	-28		9:46					X											
D0347-5.0	-29		9:49					X											
D0348-0.5	-30		10:00					X				X							
D0348-1.0	-31		10:01					X											
D0348-2.5	-32		10:03					X											
D0348-5.0	-33		10:06					X											
D0349-0.5	-34		10:31					X											
D0349-1.0	-35		10:32					X											
D0349-2.5	-36	↓	10:33	↓	↓		↓	X											

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/17/10 0753
Relinquished by:	Received by:	Date & Time: 3/17/10 10:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-16-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0349-5.0	10037-37	3-16-10	10:35	Soil	1		ICE	X						
D0350-0.5	-38		11:01					X						
D0350-1.0	-39		11:02					X						
D0350-2.5	-40		11:04					X						
D0350-5.0	-41		11:06					X						
D0351-0.5	-42		11:26					X						
D0351-1.0	-43		11:22					X						
D0351-2.5	-44		11:29					X						
D0351-5.0	-45		11:31					X						
D0352-0.5	-46		11:59					X						
D0352-1.0	-47		12:00					X						
D0352-2.5	-48		12:01					X						
D0352-5.0	-49		12:03					X						
D0353-0.5	-50		12:19			4°Z		X						
D0353-1.0	-51	↓	12:21	↓	↓	4°Z	↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/17/10 0751
Relinquished by:	Received by:	Date & Time: 3/17/10 10:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-16-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0353-2.5	10037-52	3-16-10	12:23	Soil	1 4oz		ICE	X				X		
D0353-5.0	-53		12:25		4oz			X						
D0354-0.5	-54		12:42					X						
D0354-1.0	-55		12:43					X						
D0354-2.5	-56		12:45					X						
D0354-5.0	-57		12:46					X						
D0355-0.5	-58		12:56					X						
D0355-1.0	-59		12:57					X						
D0355-2.5	-60		12:59					X				X		
D0355-5.0	-61		13:01					X						
D0356-0.5	-62		13:18					X				X		
D0356-1.0	-63		13:19					X						
D0356-2.5	-64		13:20	↓				X						
~~E062~~ E062	-65		13:04	WATER	3 VOA			X						
E060 Auger	-66	↓	13:04	WATER	↓		↓	X						

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/17/10 0755
Relinquished by:	Received by:	Date & Time: 3/17/10 10:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3.16.10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0356-5.0	100317-67	3-16-10	13:22	Soil	1		ICE	X						
D0357-0.5	-68		13:30					X						
D0357-1.0	-69		13:31					X						
D0357-2.5	-70		13:33					X						
D0357-5.0	-71		13:35					X						
D0358-0.5	-72		13:44					X						
D0358-1.0	-73		13:45					X						
D0358-2.5	-74		13:46					X						
D0358-4.0	-75		13:48					X			X			
D0359-0.5	-76		13:55					X						
D0359-1.0	-77		13:56					X						
D0359-2.5	-78		13:58					X						
D0359-5.0	-79		14:10					X						
D0360-0.5	-80		14:23					X						
D0360-1.0	-81	↓	14:24	↓	↓		↓	X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/17/10 0735
Relinquished by:	Received by:	Date & Time: 3/17/10 10:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-16-10

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
⊗ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
D0360-2.5	10037-82	3-16-10	14:26	Soil	1		ICE	X										
D0360-5.0	-83	3-16-10	14:27	Soil	1		ICE	X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										
								X										

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	3/17/10 Date & Time: 0755
Relinquished by:	Received by: WP	3/17/10 Date & Time: 10:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-16-10

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: March 24, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100317-84 through -142**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 17, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/17/10
SAMPLING DATE: 03/16/10 DATE ANALYZED: 03/17/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/24/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
C0208-1.0	100317-99	7.62
C0205-2.5	100317-112	7.90
C0201-1.0	100317-132	7.76
C0198-1.0	100317-140	7.55

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/17/2010	100317-30	6.85	6.88	0.4%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/8/2010	100308-28	21.1	21.1	0.0%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/12/2010	LCS3/4	667	0.0	0-20	80-120	640	96%	647	97%	1.0%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	425	85%	2.0%

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

Analyst Signature: VP

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/17/10
SAMPLING DATE: 03/16/10 DATE ANALYZED: 03/17/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/24/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0212-0.5	100317-84	13.9	1
C0212-1.0	100317-85	6.60	1
C0212-2.5	100317-86	7.84	1
C0212-5.0	100317-87	4.61	1
C0211-0.5	100317-88	13.4	1
C0211-1.0	100317-89	19.3	1
C0211-2.5	100317-90	12.0	1
C0211-5.0	100317-91	3.91	1
C0210-0.5	100317-92	12.0	1
C0210-1.0	100317-93	6.85	1
C0210-2.5	100317-94	6.46	1
C0210-5.0	100317-95	5.97	1
C0209-0.5	100317-96	10.1	1
C0209-1.0	100317-97	8.15	1
C0208-0.5	100317-98	10.3	1
C0208-1.0	100317-99	10.1	1
C0208-2.5	100317-100	13.5	1
C0208-5.0	100317-101	7.67	1
C0207-0.5	100317-102	13.8	1
C0207-1.0	100317-103	5.26	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/17/10
SAMPLING DATE:03/16/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/24/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0207-2.5	100317-104	6.45	1
C0207-5.0	100317-105	6.75	1
C0206-0.5	100317-106	9.09	1
C0206-1.0	100317-107	27.0	1
C0206-2.5	100317-108	4.45	1
C0206-5.0	100317-109	2.26	1
C0205-0.5	100317-110	22.5	1
C0205-1.0	100317-111	4.58	1
C0205-2.5	100317-112	5.73	1
C0205-5.0	100317-113	34.2	1
C0204-0.5	100317-114	16.8	1
C0204-1.0	100317-115	12.1	1
C0204-2.5	100317-116	17.8	1
C0204-5.0	100317-117	37.5	1
C0203-0.5	100317-118	4.87	1
C0203-1.0	100317-119	8.34	1
C0203-2.5	100317-120	1.83	1
C0203-5.0	100317-121	1.81	1
C0202-0.5	100317-122	11.9	1
C0202-1.0	100317-123	5.12	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/17/10
SAMPLING DATE:03/16/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/24/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 3
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0202-2.5	100317-124	10.9	1
C0202-5.0	100317-125	3.11	1
C0200-0.5	100317-126	2.71	1
C0200-1.0	100317-127	1.80	1
C0200-2.5	100317-128	14.2	1
C0200-5.0	100317-129	3.26	1
C0201-0.5	100317-131	9.48	1
C0201-1.0	100317-132	2.28	1
C0201-2.5	100317-133	4.28	1
C0201-5.0	100317-134	5.51	1
C0199-0.5	100317-135	10.2	1
C0199-1.0	100317-136	12.3	1
C0199-2.5	100317-137	9.38	1
C0199-5.0	100317-138	8.44	1
C0198-0.5	100317-139	9.68	1
C0198-1.0	100317-140	7.92	1
C0198-2.5	100317-141	4.50	1
C0198-5.0	100317-142	4.27	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010 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
Lead (Pb)	100317-104	1.00	106	PASS	6.45	50.0	54.3	96%	55.4	98%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010 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
Lead (Pb)	100317-125	1.00	111	PASS	3.11	50.0	52.8	99%	50.6	95%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: D

FINAL REVIEWER: CM

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/17/2010 **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
Lead (Pb)	100317-85	1.00	99	PASS	6.60	50.0	65.8	118%	65.8	118%	0%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: CH

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/17/10
SAMPLING DATE:03/16/10 DATE ANALYZED:03/18/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/24/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E057	100317-130	ND	1
Method Blank	---	ND	1
	PQL	**0.01**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/18/2010 **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
Copper (Cu)	100317-65	1.00	99	PASS	0	1.00	1.01	101%	0.958	96%	5%
Lead (Pb)	100317-65	1.00	105	PASS	0	1.00	1.00	100%	0.978	98%	2%
Zinc (Zn)	100317-65	1.00	107	PASS	0	1.00	1.02	102%	1.00	100%	2%

ANALYSIS DATE. : 3/17/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100316-167	0.00250	92.0	PASS	0	0.00250	0.00210	84%	0.00219	88%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper (Cu)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
CO212-0.5	1003784	3/16/10	0926	soil	1 pt		ice	X						
CO212-1.0	-85		0928					X						
CO212-2.5	-86		0933					X						
CO212-5.0	-87		0936					X						
CO211-0.5	-88		0948					X						
CO211-1.0	-89		0950					X						
CO211-2.5	-90		0952					X						
CO211-5.0	-91		0954					X						
CO210-0.5	-92		0958					X						
CO210-1.0	-93		1003					X						
CO210-2.5	-94		1007					X						
CO210-5.0	-95		1008					X						
CO209-0.5	-96		1020					X						
CO209-1.0	-97		1022					X						
~~CO209-2.5~~								X						

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/17/10 0957	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/17/10 1030	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/16/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C0208-0.5	1003/7-98	3/16/10	1042	Soil	1		Ice	X						
C0208-1.0	-99		1048					X			X			
C0208-2.5	-100		1048					X						
C0208-5.0	-101		1051					X						
C0207-0.5	-102		1104					X						
C0207-1.0	-103		1106					X						
C0207-2.5	-104		1108					X						
C0207-5.0	-105		1114					X						
C0206-0.5	-106		1125					X						
C0206-1.0	-107		1126					X						
C0206-2.5	-108		1129					X						
C0206-5.0	-109		1131					X						
C0205-0.5	-110		1140					X						
C0205-1.0	-111		1142					X						
C0205-2.5	-112		1145					X			X			

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	3/17/10 Date & Time: 0850	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	3/17/10 Date & Time: 10:30	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/16/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
C0205-5.0	603717-113	3/16/10	1149	Soil	1		Ice	X						
C0204-0.5	-114		1157					X						
C0204-1.0	-115		1159					X						
C0204-2.5	-116		1201					X						
C0204-5.0	-117		1203					X						
C0203-0.5	-118		1243					X						
C0203-1.0	-119		1245					X						
C0203-2.5	-120		1249					X						
C0203-5.0	-121		1254					X						
C0202-0.5	-122		1309					X						
C0202-1.0	-123		1310					X						
C0202-2.5	-124		1312					X						
C0202-5.0	-125		1317					X						
C0200-0.5	-126		1333					X						
C0200-1.0	-127	↓	1334	↓	↓		↓	X						

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:

Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/17/10 0850
Relinquished by:	Received by:	Date & Time: 3/17/10 1020
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/16/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045							COMMENTS
								Analysis Required											
C0200-2.5	100317-128	3/16/10	1338	Soil	1		Ice	X											
C0200-5.0	-129		1339	Soil	1		Ice	X											
E057	-130		1324	Water	1		HNO_3	X											
C0201-0.5	-131		1354	Soil			Ice	X											
C0201-1.0	-132		1356					X				X							
C0201-2.5	-133		1400					X											
C0201-5.0	-134		1402					X											
C0199-0.5	-135		1410					X											
C0199-1.0	-136		1414					X											
C0199-2.5	-137		1417					X											
C0199-5.0	-138		1422					X											
C0198-0.5	-139		1436					X											
C0198-1.0	-140		1438					X				X							
C0198-2.5	-141		1440					X											
C0198-5.0	-142	↓	1441	↓	↓		↓	X											

Misc./PO#

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/17/10 9:50
Relinquished by:	Received by:	Date & Time: 3/17/10 10:30
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊠ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/16/10

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: March 26, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100318-24 through -85**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 18, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/18/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/26/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
C0195-2.5	100318-32	6.94
C0194-1.0	100318-34	7.59
C0192-0.5	100318-42	7.26
C0185-2.5	100318-67	8.12
C0183-0.5	100318-69	7.23
C0183-2.5	100318-71	7.13
C0186-0.5	100318-73	8.08
C0186-1.0	100318-74	7.84

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

DATA REVIEWED AND APPROVED BY: VR
CAL-DHS ELAP CERTIFICATE No.: 1555

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/18/2010	100318-118	8.80	8.78	0.2%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/17/2010	100317-12	21.3	21.4	0.5%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/18/2010	LCS3/4	667	0.0	0-20	80-120	558	84%	560	84%	0.3%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/19/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/26/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0196-0.5	100318-24	7.84	1
C0196-1.0	100318-25	8.67	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/19/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/26/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0196-2.5	100318-26	3.68	1
C0196-5.0	100318-27	2.63	1
C0197-0.5	100318-28	11.9	1
C0197-1.0	100318-29	5.82	1
C0195-0.5	100318-30	5.86	1
C0195-1.0	100318-31	4.82	1
C0195-2.5	100318-32	7.32	1
C0194-0.5	100318-33	14.2	1
C0194-1.0	100318-34	11.9	1
C0194-2.5	100318-35	3.58	1
C0194-5.0	100318-36	11.1	1
C0193-0.5	100318-38	11.7	1
C0193-1.0	100318-39	85.6 *	1
C0193-2.5	100318-40	5.75	1
C0193-5.0	100318-41	6.75	1
C0192-0.5	100318-42	11.5	1
C0192-1.0	100318-43	12.2	1
C0192-2.5	100318-44	5.50	1
C0192-5.0	100318-45	7.16	1
C0190-0.5	100318-46	22.7	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
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Data Reviewed and Approved by: _____
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/26/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0190-1.0	100318-47	5.14	1
C0190-2.5	100318-48	131 *	1
C0190-5.0	100318-49	ND	1
C0188-0.5	100318-50	25.6	1
C0188-1.0	100318-51	4.15	1
C0188-2.5	100318-52	4.50	1
C0188-5.0	100318-53	1.30	1
C0191-0.5	100318-54	19.8	1
C0191-1.0	100318-55	ND	1
C0191-2.5	100318-56	1.33	1
C0191-5.0	100318-57	3.47	1
C0187-0.5	100318-58	15.7	1
C0187-1.0	100318-59	6.46	1
C0187-2.5	100318-60	6.20	1
C0187-5.0	100318-61	5.14	1
C0189-0.5	100318-62	8.01	1
C0189-1.0	100318-63	0.780	1
C0189-2.0	100318-64	3.79	1
C0185-0.5	100318-65	15.7	1
C0185-1.0	100318-66	14.6	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
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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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/26/10

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0185-2.5	100318-67	12.9	1
C0185-5.0	100318-68	11.2	1
C0183-0.5	100318-69	8.83	1
C0183-1.0	100318-70	8.58	1
C0183-2.5	100318-71	5.00	1
C0183-5.0	100318-72	ND	1
C0186-0.5	100318-73	11.4	1
C0186-1.0	100318-74	40.0	1
C0186-2.5	100318-75	11.3	1
C0186-5.0	100318-76	ND	1
C0184-0.5	100318-77	17.8	1
C0184-1.0	100318-78	6.61	1
C0184-2.5	100318-79	7.34	1
C0184-5.0	100318-80	0.616	1
C0182-0.5	100318-81	10.6	1
C0182-1.0	100318-83	1.73	1
C0182-2.5	100318-84	5.44	1
C0182-5.0	100318-85	ND	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
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Data Reviewed and Approved by: _____
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LABORATORY REPORT

CUSTOMER: **Leighton Consulting**
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Temecula, CA 92590
Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/25/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0190-1.0	100318-47	5.14	1
C0190-2.5	100318-48	131 *	1
C0190-5.0	100318-49	ND	1
C0188-0.5	100318-50	25.6	1
C0188-1.0	100318-51	4.15	1
C0188-2.5	100318-52	4.50	1
C0188-5.0	100318-53	1.30	1
C0191-0.5	100318-54	19.8	1
C0191-1.0	100318-55	ND	1
C0191-2.5	100318-56	1.33	1
C0191-5.0	100318-57	3.47	1
C0187-0.5	100318-58	15.7	1
C0187-1.0	100318-59	6.46	1
C0187-2.5	100318-60	6.20	1
C0187-5.0	100318-61	5.14	1
C0189-0.5	100318-62	8.01	1
C0189-1.0	100318-63	0.780	1
C0189-2.0	100318-64	3.79	1
C0185-0.5	100318-65	15.7	1
C0185-1.0	100318-66	14.6	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
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STLC Limit for lead = 5 PPM
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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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/25/10

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
C0185-2.5	100318-67	12.9	1
C0185-5.0	100318-68	11.2	1
C0183-0.5	100318-69	8.83	1
C0183-1.0	100318-70	8.58	1
C0183-2.5	100318-71	5.00	1
C0183-5.0	100318-72	ND	1
C0186-0.5	100318-73	11.4	1
C0186-1.0	100318-74	40.0	1
C0186-2.5	100318-75	11.3	1
C0186-5.0	100318-76	ND	1
C0184-0.5	100318-77	17.8	1
C0184-1.0	100318-78	6.61	1
C0184-2.5	100318-79	7.34	1
C0184-5.0	100318-80	0.616	1
C0182-0.5	100318-81	10.6	1
C0182-1.0	100318-83	1.73	1
C0182-2.5	100318-84	5.44	1
C0182-5.0	100318-85	ND	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

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

(P. 1 of 1)

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010

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
Lead (Pb)	100317-125	1.00	111	PASS	3.11	50.0	52.8	99%	50.6	95%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

(p. 2 of 4)

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010 **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
Lead (Pb)	100318-30	1.00	111	*PASS*	5.86	50.0	55.9	100%	55.6	99%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

(p. 3 of 4)

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010 **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
Lead (Pb)	100318-47	1.00	107	*PASS*	5.14	50.0	58.2	106%	58.1	106%	0%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

(p. 4 of 9)

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010

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
Lead (Pb)	100318-69	1.00	108	PASS	8.83	50.0	59.9	102%	60.3	103%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/24-26/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/26/10

EPA 6010B FOR STLC-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
C0193-1.0	100318-39	ND	1
C0190-2.5	100318-48	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
mg/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/24-26/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/26/10

EPA 6010B FOR STLC DI-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC DI-LEAD RESULT	DF
C0193-1.0	100318-39	ND	1
C0190-2.5	100318-48	ND	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
mg/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/24/2010 **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
Lead (Pb)	100318-39	1.00	100	*PASS*	0	5.00	5.25	105%	5.21	104%	1%

ANALYSIS DATE: 3/15/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100311-130	0.0125	102.2	*PASS*	*0*	0.0125	0.0120	96%	0.0114	91%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/26/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E059	100318-37	ND	1
E061	100318-82	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010 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
Nickel (Ni)	100318-130	1.00	103	PASS	0	1.00	0.984	98%	0.993	99%	1%
Lead (Pb)	100318-130	1.00	101	PASS	0	1.00	0.979	98%	0.976	98%	0%
Zinc (Zn)	100318-130	1.00	111	PASS	0	1.00	1.03	103%	1.06	106%	3%

ANALYSIS DATE. : 3/18/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100317-179	0.00250	96.4	PASS	0	0.00250	0.00222	89%	0.00209	84%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Nickel (Ni)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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
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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc./PO# / COMMENTS
								Analysis Required										COMMENTS
C0196-0.5	(0838-24	3/17/10	0918	soil	1	4°C	ice	X										Hand Augered
C0196-1.0	25		0920			4°C		X										Hand Augered
C0196-2.5	26		0926					X										Hand Augered
C0196-5.0	27		0934					X										Hand Augered
C0197-0.5	28		2954			4°C		X										
C0197-1.0	29		0955					X										
~~C0197-2.0~~								X										
C0195-0.5	30		1014					X										Hand Auger
C0195-1.0	31		1015			4°C		X										Hand Auger
C0195-2.5	32		1019					X				X						Hand Auger
C0194-0.5	33		1033					X										
C0194-1.0	34		1035					X				X						
C0194-2.5	35		1038					X										
C0194-5.0	36		1042					X										
E059	37		0951	Water	1		HNO_3	X										HAND AUGER

Company Name: Leighton Consulting, Inc.		**Project Contact:** Kristin Stout	**Sampler's Signature:**
Address: 41715 Enterprise Circle N., Suite 103		**Tel:** 951-252-8927	**Project Name/ID:** I-15 CIP ADL Survey / 603008001
City/State/Zip: Temecula, CA 92591		**Fax:** 951-296-0534	
Relinquished by:	Received by:	Date & Time: 3/18/10 1035	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/18/10 1210	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/17/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					COMMENTS
								Analysis Required									
C0193-0.5	10318-38	3/12/10	1052	Soil	1		ICE	X									
C0193-1.0	39		1054					X									
C0193-2.5	40		1055					X									
C0193-5.0	41		1008					X									
C0192-0.5	42		1105					X			X						
C0192-1.0	43		1106					X									
C0192-2.5	44		1110					X									
C0192-5.0	45		1112					X									
C0190-0.5	46		1122					X									
C0190-1.0	47		1125					X									
C0190-2.5	48		1129					X									
C0190-5.0	49		1130					X									
C0188-0.5	50		1142					X									
C0188-1.0	51		1143					X									
C0188-2.5	52		1144					X									

Company Name: Leighton Consulting, Inc.	**Project Contact:** Kristin Stout	**Sampler's Signature:**
Address: 41715 Enterprise Circle N., Suite 103	**Tel:** 951-252-8927	**Project Name/ID:** I-15 CIP ADL Survey / 603008001
City/State/Zip: Temecula, CA 92591	**Fax:** 951-296-0534	

Relinquished by:	Received by:	Date & Time: 3/18/10 1057
Relinquished by:	Received by:	Date & Time: 3/18/10 1210
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/17/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	COMMENTS
								Analysis Required					
C0188-5.0	(0038-53	3/17/10	1146	Soil	1		ICE	X					
C0191-0.5	54		1200					X					
C0191-1.0	55		1201					X					
C0191-2.5	56		1202					X					
C0191-5.0	57		1206					X					
C0187-0.5	58		1215					X					
C0187-1.0	59		1218					X					
C0187-2.5	60		1221					X					
C0187-5.0	61		1222					X					
C0189-0.5	62		1235			40Z		X					Hand Auger
C0189-1.0	63		1236					X					Hand Auger
C0189-2.0	64		1238					X					Hand Auger
C0185-0.5	65		1300					X					
C0185-1.0	66		1305					X					
C0185-2.5	67		1307					X			X		

Misc./PO#

Company Name: Leighton Consulting, Inc.	Project Contact: Kristin Stout	Sampler's Signature:	
Address: 41715 Enterprise Circle N., Suite 103	Tel: 951-252-8927	Project Name/ID: I-15 CIP ADL Survey / 603008001	
City/State/Zip: Temecula, CA 92591	Fax: 951-296-0534		

Relinquished by:	Received by:	Date & Time: 3/18/10 1054	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 3/18/10 1210	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/17/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						COMMENTS
								Analysis Required										
C0185-5.0	10318-68	3/17/10	1308	Soil	1	1	ice	X										
C0183-0.5	69		1320					X				X						
C0183-1.0	70		1322					X				X						
C0183-2.5	71		1325					X				X						
C0183-5.0	72		1329					X										
C0186-0.5	73		1345					X				X						
C0186-1.0	74		1348					X				X						
C0186-2.5	75		1350					X										
C0186-5.0	76		1353					X										
C0184-0.5	77		1400					X										
C0184-1.0	78		1402					X										
C0184-2.5	79		1405					X										
C0184-5.0	80		1415					X										
C0182-0.5	81		1430	↓			↓	X										
EQ61	82	-	1329	Water	↓		HNO3	X										

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:

Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/18/10 10:5-
Relinquished by:	Received by:	Date & Time: 3/18/10 1210
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/17/10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					COMMENTS
								Analysis Required									
C0182-1.0	100318-83	3/17/10	1433	Soil	1		ice	X									
C0182-2.5	84		1434	↓				X									
C0182-5.0	85		1436	↓				X									
								X									
								X									
								X									
								X									
								X									
								X									
								X									
								X									
								X									
								X									
								X									
								X									
								X									

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/18/10 1055
Relinquished by:	Received by:	Date & Time: 3/18/10 1210
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
⊗ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/17/10

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: March 31, 2010

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

Project: **I-15 CIP ADL Survey**
Project No.: **603008001**
Lab I.D.: **100318-86 through -144**

Dear Ms. Stout:

The **analytical results** for the soil and water samples, received by our lab on March 18, 2010, are attached. The samples were received chilled, intact and with chain of custody record.

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

Eric Lu, Ph.D.
Chief Chemist

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/18/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/31/10

pH ANALYSIS
METHOD: EPA 9045C
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
D0361-2.5	100318-88	8.47
D0363-0.5	100318-109	8.92
D1363-0.5	100318-112	7.46
D1363-5.0	100318-115	9.01
D0363-5.0	100318-116	8.88
D0365-1.0	100318-118	8.80

COMMENTS:
pH ANALYSIS CONDUCTED ON 1:1 SOIL/DEIONIZED WATER EXTRACTION

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

Matrix: **SOLID/LIQUID**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	11/26/2008	081126-9	303.0	323.0	6.4%	0-20
Residual Chlorine	mg/Kg	10/29/2009	091029-3	108.00	108.00	0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	3/8/2010	100308-10	43.6	44.2	1.4%	0-20
pH	pH units	3/18/2010	100318-118	8.80	8.78	0.2%	0-20
TDS	mg/L	11/26/2008	081125-29	181	184	1.6%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	3/4/2010	100304-41	1357	1351	0.4%	0-20
% Moisture	%	3/17/2010	100317-12	21.3	21.4	0.5%	0-20
BTU	BTU/lb					#VALUE!	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	11/14/2008	LCS1/2	50.0	0.0	0-20	80-120	43.7	87%	43.7	87%	0.0%
MBAS	mg/Kg			6.00		0-20	80-120					#VALUE!
Chloride	mg/Kg	3/5/2010	LCS1/2	200	0.0	0-20	80-120	175	88%	185	93%	5.0%
COD	mg/Kg			500		0-20	80-120					#VALUE!
Cr VI	mg/Kg	2/12/2010	LCS1/2	4.0	0.000	0-20	80-120	3.64	91%	3.50	88%	3.5%
Cyanide	mg/Kg	2/5/2010	LCS1/2	10.0	0.000	0-20	80-120	8.92	89%	9.04	90%	1.2%
Fluoride	mg/Kg	12/24/2009	091223-71	10.0	0.678	0-20	80-120	9.29	86%	9.88	92%	5.9%
Nitrate as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.38	85%	3.36	84%	0.5%
Nitrite as N	mg/Kg	11/26/2008	081126-4	4.0	0.00	0-20	80-120	3.74	94%	3.70	93%	1.0%
Oil and Grease	mg/Kg	12/11/2009	LCS3/4	667	0.0	0-20	80-120	707	106%	714	107%	1.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	3/5/2010	LCS1/2	200	4.10	0-20	80-120	180	88%	178	87%	1.0%
Sulfide	mg/Kg	11/6/2009	091105-3	3.00	0.0	0-20	80-120	2.64	88%	2.54	85%	3.3%
TRPH	mg/Kg	3/18/2010	LCS3/4	667	0.0	0-20	80-120	558	84%	560	84%	0.3%
Sulfide, Reactive	mg/Kg	1/29/2010	100129-36	3.00	0.0	0-20	80-120	2.53	84%	2.63	88%	3.3%
EPA 1664A	mg/Kg	3/8/2010	LCS3/4	500	0.0	0-20	80-120	435	87%	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

LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/19/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/31/10

EPA 6010B FOR TTLC-LEAD; PAGE 1 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0361-0.5	100318-86	15.6	1
D0361-1.0	100318-87	1.60	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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.
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LABORATORY REPORT

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/19/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/31/10

EPA 6010B FOR TTLC-LEAD; PAGE 2 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0361-2.5	100318-88	ND	1
D0361-5.0	100318-89	ND	1
D0362-0.5	100318-90	0.739	1
D0362-1.0	100318-91	ND	1
D0362-2.5	100318-92	ND	1
D0362-4.0	100318-93	ND	1
D0364-0.5	100318-94	6.02	1
D0364-1.0	100318-95	ND	1
D0364-2.5	100318-96	2.84	1
D0364-5.0	100318-97	4.25	1
D0366-0.5	100318-98	4.64	1
D0366-1.0	100318-99	3.17	1
D0366-2.5	100318-100	6.08	1
D0366-5.0	100318-101	3.20	1
D0367-0.5	100318-102	98.5 *	1
D0367-1.0	100318-103	ND	1
D0367-2.5	100318-104	32.2	1
D0369-0.5	100318-105	11.8	1
D0369-1.0	100318-106	2.62	1
D0369-2.5	100318-107	12.3	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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**
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/31/10

EPA 6010B FOR TTLC-LEAD; PAGE 3 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0369-5.0	100318-108	0.549	1
D0363-0.5	100318-109	16.6	1
D0363-1.0	100318-110	ND	1
D0363-2.5	100318-111	ND	1
D1363-0.5	100318-112	22.8	1
D1363-1.0	100318-113	ND	1
D1363-2.5	100318-114	ND	1
D1363-5.0	100318-115	ND	1
D0363-5.0	100318-116	ND	1
D0365-0.5	100318-117	79.9 *	1
D0365-1.0	100318-118	ND	1
D0365-2.5	100318-119	ND	1
D0365-5.0	100318-120	9.72	1
D0368-0.5	100318-121	33.7	1
D0368-1.0	100318-122	1.34	1
D0368-2.5	100318-123	0.635	1
D0368-5.0	100318-124	ND	1
D0370-0.5	100318-125	132 *	1
D0370-1.0	100318-126	4.36	1
D0370-2.5	100318-127	5.73	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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**
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Tel(951)296-0530 Fax(951)296-0534

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX: SOIL DATE RECEIVED: 03/18/10
SAMPLING DATE: 03/17/10 DATE ANALYZED: 03/19/10
REPORT TO: MS. KRISTIN STOUT DATE REPORTED: 03/31/10

EPA 6010B FOR TTLC-LEAD; PAGE 4 OF 4
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
D0371-0.5	100318-128	31.5	1
D0371-1.0	100318-131	13.1	1
D0371-2.5	100318-132	6.23	1
D0372-0.5	100318-133	48.8	1
D0372-1.0	100318-134	3.67	1
D0372-2.5	100318-135	8.71	1
D0372-3.0	100318-136	8.45	1
D0373-0.5	100318-137	9.12	1
D0373-1.0	100318-138	6.07	1
D0373-2.5	100318-139	3.99	1
D0373-3.0	100318-140	3.94	1
D0374-0.5	100318-141	3.83	1
D0374-1.0	100318-142	1.92	1
D0374-2.5	100318-143	9.85	1
D0374-5.0	100318-144	0.923	1
Method Blank	---	ND	1
	PQL	**0.50**	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore 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

(P. 1/4)

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010

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
Lead (Pb)	100318-69	1.00	108	PASS	8.83	50.0	59.9	102%	60.3	103%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010

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
Lead (Pb)	100318-88	1.00	105	PASS	0	50.0	51.2	102%	50.9	102%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010 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
Lead (Pb)	100318-108	1.00	108	PASS	0.549	50.0	55.1	109%	55.7	110%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010 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
Lead (Pb)	100318-131	1.00	98	PASS	13.1	50.0	68.4	111%	70.1	114%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

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: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/24-26/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/31/10

EPA 6010B FOR STLC-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC-LEAD RESULT	DF
D0367-0.5	100318-102	5.28 ***	1
D0365-0.5	100318-117	3.19	1
D0370-0.5	100318-125	5.88 ***	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
mg/L = Milligram Per Liter = PPM
* = STLC-DI Water Extraction will be performed (if marked)
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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**
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PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:SOIL DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/24-26/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/31/10

EPA 6010B FOR STLC DI-LEAD
UNIT: mg/L IN THE STLC LEACHATE

SAMPLE I.D.	LAB I.D.	STLC DI-LEAD RESULT	DF
D0367-0.5	100318-102	1.14	1
D0365-0.5	100318-117	0.070	1
D0370-0.5	100318-125	0.198	1
Method Blank	---	ND	1
	PQL	0.05	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
STLC = Soluble Threshold Limit Concentration
mg/L = Milligram Per Liter = PPM
Extraction performed using DI Water
*** = The concentration exceeds the STLC Limit @ 5 PPM, therefore 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

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/24/2010 **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
Lead (Pb)	100318-39	1.00	100	*PASS*	0	5.00	5.25	105%	5.21	104%	1%

ANALYSIS DATE: 3/15/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100311-130	0.0125	102.2	*PASS*	*0*	0.0125	0.0120	96%	0.0114	91%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Lead (Pb)	*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

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

PROJECT: **I-15 CIP ADL Survey** PROJECT No.: **603008001**
MATRIX:WATER DATE RECEIVED:03/18/10
SAMPLING DATE:03/17/10 DATE ANALYZED:03/19/10
REPORT TO:MS. KRISTIN STOUT DATE REPORTED:03/31/10

EPA 6010B FOR TOTAL LEAD
UNITS: mg/L = MILLIGRAM PER LITER = PPM

SAMPLE I.D.	LAB I.D.	TOTAL LEAD RESULT	DF
E064	100318-129	ND	1
E066 - Auger	100318-130	ND	1
Method Blank	---	ND	1
	PQL	0.01	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non-Detected or below the Actual Detection Limit

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

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2010 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
Nickel (Ni)	100318-130	1.00	103	PASS	0	1.00	0.984	98%	0.993	99%	1%
Lead (Pb)	100318-130	1.00	101	PASS	0	1.00	0.979	98%	0.976	98%	0%
Zinc (Zn)	100318-130	1.00	111	PASS	0	1.00	1.03	103%	1.06	106%	3%

ANALYSIS DATE. : 3/18/2010

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	100317-179	0.00250	96.4	PASS	0	0.00250	0.00222	89%	0.00209	84%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Nickel (Ni)	PASS	PASS	PASS	PASS
Lead (Pb)	PASS	PASS	PASS	PASS
Zinc (Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

Enviro-Chem, Inc. Laboratories
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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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0361-0.5	603586	3-17-10	9:16	Soil	1		ICE	X						
D0361-1.0	87		9:17					X						
D0361-2.5	88		9:19					X			X			
D0361-5.0	89		9:21					X						
D0362-0.5	90		9:34					X						
D0362-1.0	91		9:33			40C		X						HAND AUGER GLASS JAR SAMPLES
D0362-2.5	92		9:37					X						
D0362-4.0	93		9:40					X						
D0364-0.5	94		9:56					X						
D0364-1.0	95		9:57					X						
D0364-2.5	96		9:58					X						
D0364-5.0	97		10:00					X						
D0366-0.5	98		10:08					X						
D0366-1.0	99		10:09					X						
D0366-2.5	600	↓	10:10	↓	↓		↓	X						

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/18/10 0900
Relinquished by:	Received by:	Date & Time: 3/18/10 1210
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
Ø Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-17-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045					Misc.	COMMENTS
								Analysis Required										
D0366-5.0	100378-101	3-17-10	10:12	Soil	1		ICE	X										
D0367-0.5	102		10:29					X										
D0367-1.0	103		10:30					X										
D0367-2.5	104		10:32					X										
D0369-0.5	105		10:49					X										
D0369-1.0	106		10:50					X										
D0369-2.5	107		10:51					X										
D0369-5.0	108		10:53					X										
D0363-0.5	109		11:35					X				X						
D0363-1.0	110		11:36					X										
D0363-2.5	111		11:38					X										
D1363-0.5	112		11:42					X				X						
D1363-1.0	113		11:43					X										
D1363-2.5	114		11:44					X										
D1363-5.0	115	↓	11:48	↓	↓		↓	X				X						

Company Name: **Leighton Consulting, Inc.**
Address: **41715 Enterprise Circle N., Suite 103**
City/State/Zip: **Temecula, CA 92591**

Project Contact: **Kristin Stout**
Tel: **951-252-8927**
Fax: **951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/18/10 0900
Relinquished by:	Received by:	Date & Time: 3/18/10 1210
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
X Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-17-10

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	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045	Misc.	COMMENTS
								Analysis Required						
D0363-5.0	100348-116	3-17-10	11:47	Soil	1		ICE	X			X			
D0365-0.5	117		12:11					X						
D0365-1.0	118		12:12					X			X			
D0365-2.5	119		12:14					X						
D0365-5.0	120		12:18			4°C		X						
D0368-0.5	121		12:48					X						
D0368-1.0	122		12:49					X						
D0368-2.5	123		12:51					X						
D0368-5.0	124		12:53					X						
D0370-0.5	125		13:06					X						
D0370-1.0	126		13:07					X						
D0370-2.5	127		13:08					X						
D0371-0.5	128		13:33					X						
E064	129		11:50	Water				X						
E066-AUGER	130		11:51	Water				X						

Company Name:	**Leighton Consulting, Inc.**	**Project Contact:**	**Kristin Stout**
Address:	**41715 Enterprise Circle N., Suite 103**	**Tel:**	**951-252-8927**
City/State/Zip:	**Temecula, CA 92591**	**Fax:**	**951-296-0534**

Sampler's Signature:
Project Name/ID: **I-15 CIP ADL Survey / 603008001**

Relinquished by:	Received by:	Date & Time: 3/18/10 0900
Relinquished by:	Received by:	Date & Time: 3/18/10 1210
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3/17/10

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
✓ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Lead TTLC (6010B)	STLC (WET) Citric Acid	STLC (WET) Deionized Water	TCLP 1311	pH 9045						Misc.	COMMENTS
								Analysis Required											
D0371-1.0	100318-[illegible]	3-17-10	13:34	Soil	1		ICE	X											
D0371-2.5	132		13:36					X											
D0372-0.5	133		13:54					X											
D0372-1.0	134		13:55					X											
D0372-2.5	135		14:08					X											
D0372-3.0	136		14:09					X											
D0373-0.5	137		14:20					X											
D0373-1.0	138		14:21					X											
D0373-2.5	139		14:22					X											
D0373-3.0	140		14:23					X											
D0374-0.5	141		14:32					X											
D0374-1.0	142		14:33					X											
D0374-2.5	143		14:35					X											
D0374-5.0	144	↓	14:38	↓	↓		↓	X											
								X											

Company Name: Leighton Consulting, Inc.
Address: 41715 Enterprise Circle N., Suite 103
City/State/Zip: Temecula, CA 92591

Project Contact: Kristin Stout
Tel: 951-252-8927
Fax: 951-296-0534

Sampler's Signature:
Project Name/ID: I-15 CIP ADL Survey / 603008001

Relinquished by:	Received by:	Date & Time: 3/18/10 0900
Relinquished by:	Received by:	Date & Time: 3/18/10 1210
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
☒ Other: Store 6 Months

CHAIN OF CUSTODY RECORD

Date: 3-17-10

WHITE WITH SAMPLE • YELLOW TO CLIENT

Appendix C Statistical Analysis for ADL

Nonparametric UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.18/20/2019 10:20:35 AM
From File	Lead Stats analysis_a.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

STLC Pb

General Statistics

Total Number of Observations	334	Number of Distinct Observations	202
		Number of Missing Observations	0
Minimum	0.025	Mean	0.665
Maximum	9.41	Median	0.113
SD	1.364	Std. Error of Mean	0.0747
Coefficient of Variation	2.052	Skewness	3.237
Mean of logged Data	-1.831	SD of logged Data	1.638

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	0.788	95% Adjusted-CLT UCL (Chen-1995)	0.802
		95% Modified-t UCL (Johnson-1978)	0.79

Nonparametric Distribution Free UCLs

95% CLT UCL	0.788	95% Jackknife UCL	0.788
95% Standard Bootstrap UCL	0.789	95% Bootstrap-t UCL	0.802
95% Hall's Bootstrap UCL	0.8	95% Percentile Bootstrap UCL	0.791
95% BCA Bootstrap UCL	0.802		
90% Chebyshev(Mean, Sd) UCL	0.889	95% Chebyshev(Mean, Sd) UCL	0.99
97.5% Chebyshev(Mean, Sd) UCL	1.131	99% Chebyshev(Mean, Sd) UCL	1.408

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	0.99

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Nonparametric UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.18/20/2019 10:13:20 AM
From File	Lead Stats analysis_a.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

TTLC Pb

General Statistics

Total Number of Observations	2994	Number of Distinct Observations	1144
		Number of Missing Observations	0
Minimum	0.25	Mean	10.58
Maximum	781	Median	5.71
SD	24.64	Std. Error of Mean	0.45
Coefficient of Variation	2.328	Skewness	16.79
Mean of logged Data	1.706	SD of logged Data	1.112

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	11.32	95% Adjusted-CLT UCL (Chen-1995)	11.47
		95% Modified-t UCL (Johnson-1978)	11.35

Nonparametric Distribution Free UCLs

95% CLT UCL	11.32	95% Jackknife UCL	11.32
95% Standard Bootstrap UCL	11.32	95% Bootstrap-t UCL	11.54
95% Hall's Bootstrap UCL	11.69	95% Percentile Bootstrap UCL	11.35
95% BCA Bootstrap UCL	11.45		
90% Chebyshev(Mean, Sd) UCL	11.93	95% Chebyshev(Mean, Sd) UCL	12.54
97.5% Chebyshev(Mean, Sd) UCL	13.39	99% Chebyshev(Mean, Sd) UCL	15.06

Suggested UCL to Use

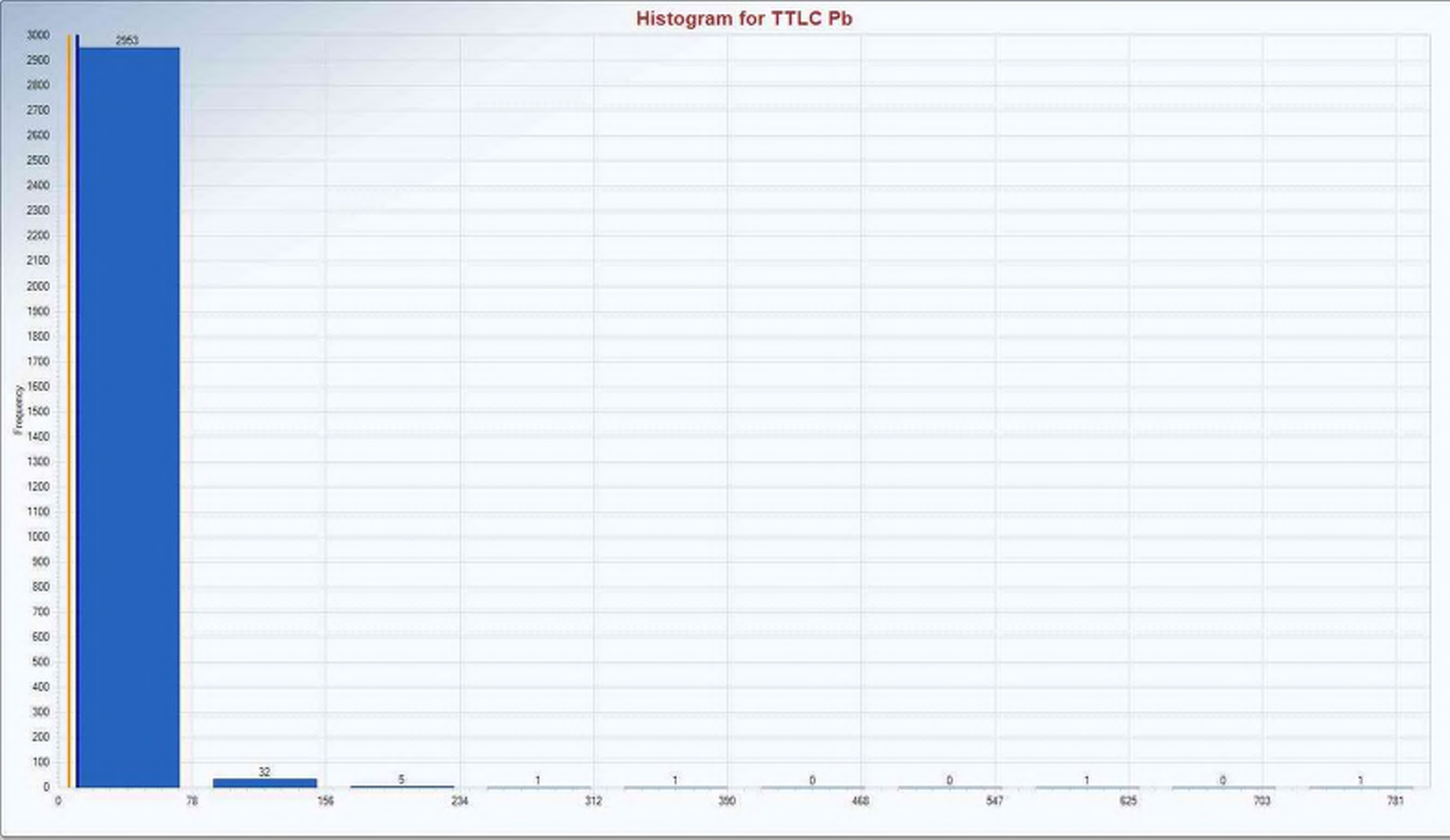
95% Chebyshev (Mean, Sd) UCL	12.54		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

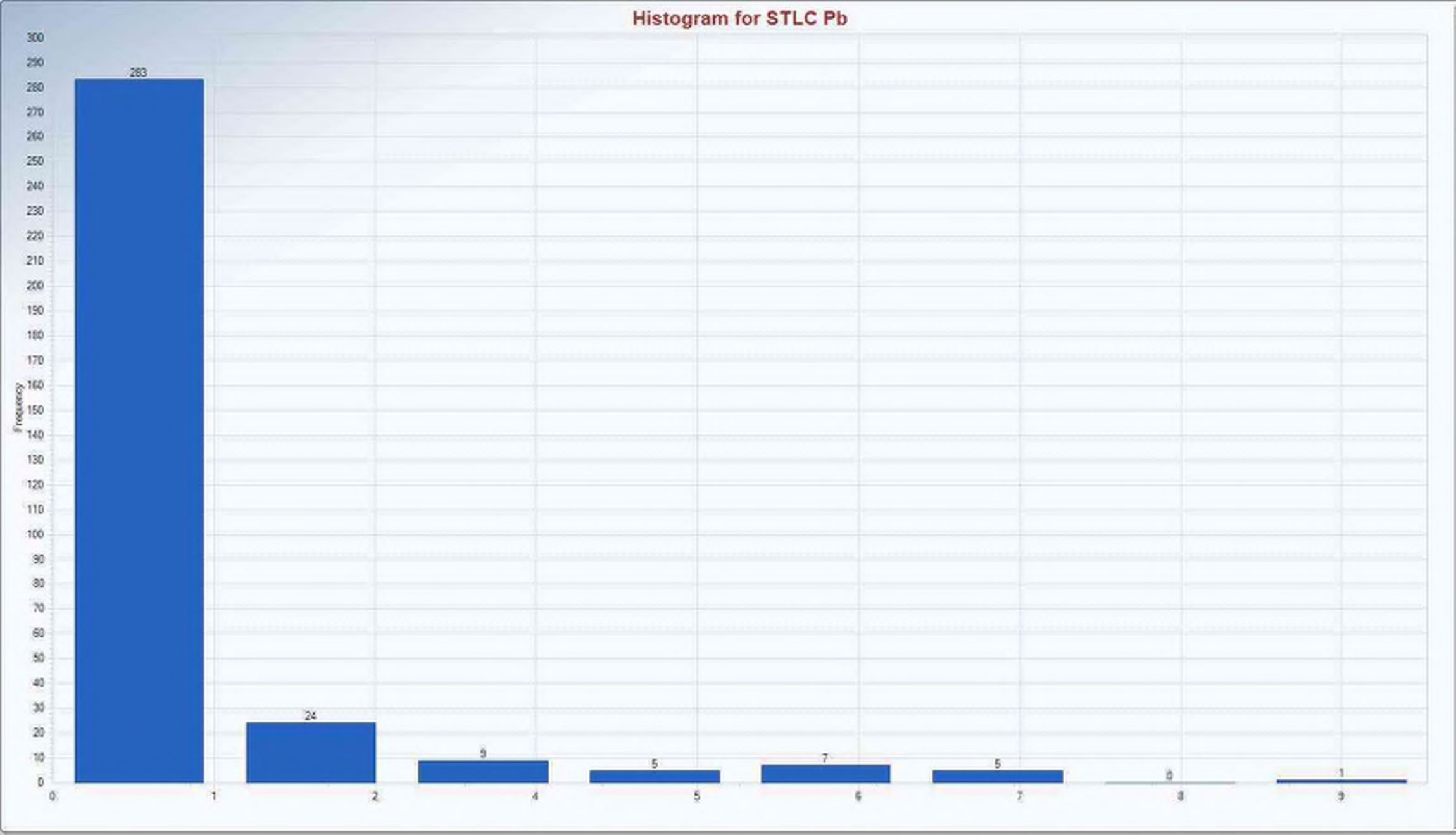
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.



TTLC Pb

Number of Values	2,994
Minimum	0.25
Maximum	781.00
SD	24.64
Skewness	16.79
Kurtosis	433.78
☑ Mean	10.58
☑ Median	5.71
☐ Normal Distribution	

☑ Less Bins
☑ More Bins


Histogram for STLC Pb
Frequency
300
290
280
270
260
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
283
24
9
5
7
5
0
1
0
1
2
4
5
6
7
8
9
STLC Pb
Number of Values 334
Minimum 0.03
Maximum 9.41
SD 1.36
Skewness 3.24
Kurtosis 11.37
Mean 0.66
Median 0.11
Normal Distribution
Less Bins
More Bins

STLC < TTLC UCL	STLC > TTLC UCL
0.062	0.069
0.059	0.459
0.075	0.136
0.077	0.670
0.076	0.303
0.057	0.110
0.067	0.482
0.055	0.361
0.051	0.073
0.053	0.447
0.110	0.623
0.056	0.369
0.068	0.429
0.055	0.116
0.123	0.226
0.102	0.175
0.112	0.279
0.052	1.690
0.095	0.479
0.076	0.112
0.066	0.574
0.094	0.639
0.066	0.236
0.204	0.727
0.080	0.242
0.060	0.113
0.053	0.106
0.097	0.556
0.062	0.305
0.057	0.088
0.127	0.680
0.068	0.215
0.061	0.489
0.063	0.278
0.067	0.657
0.075	0.568
0.094	0.654
0.077	1.510
0.500	0.338
0.218	0.675
0.072	0.338
0.192	0.732
0.063	1.540

$\alpha = 0.05$ two tailed test

unpaired data

H_0: $\mu_{STLC < TTLC\ UCL} = \mu_{STLC > TTLC\ UCL}$

H_1: $\mu_{STLC < TTLC\ UCL} < \mu_{STLC > TTLC\ UCL}$

p= 2.39538E-11

0.068	0.391
0.679	0.648
0.051	0.483
0.059	2.690
0.051	0.606
0.066	0.190
0.068	1.400
0.053	0.074
0.071	0.322
0.068	1.730
0.053	0.064
0.168	0.897
0.077	0.130
0.060	1.190
0.058	0.520
0.279	0.683
0.210	2.170
0.145	1.020
0.055	0.305
0.056	0.072
0.215	1.410
0.299	1.180
0.131	2.580
0.050	2.320
0.084	1.660
0.050	3.950
0.091	3.450
0.107	1.250
0.062	1.310
0.052	2.480
0.068	1.540
0.088	1.260
0.124	4.300
0.058	2.910
0.106	2.710
0.080	5.590
0.086	1.440
0.053	0.514
0.067	2.890
0.108	0.860
0.093	0.806
0.090	2.970
0.088	1.280
0.057	1.150

0.111	2.290
0.070	3.760
0.122	7.000
0.113	1.870
0.102	3.430
0.137	2.340
0.086	2.200
0.055	1.610
0.107	1.430
0.068	6.040
0.059	0.591
0.101	1.430
0.123	2.200
0.059	3.170
0.246	2.080
0.084	4.690
0.089	1.510
0.052	1.350
0.093	6.650
0.657	1.720
0.104	3.190
0.107	2.520
0.100	4.930
0.082	1.240
0.071	0.302
0.131	0.509
0.124	0.920
0.058	2.840
0.076	3.440
0.090	5.830
0.173	0.452
<0.05	4.970
0.083	1.940
0.076	5.280
0.111	2.350
0.069	0.761
0.238	1.370
0.163	5.870
0.445	0.306
0.055	4.620
0.062	4.020
0.098	1.710
0.155	3.790
0.254	12.200

0.082	3.750
0.165	0.284
0.064	0.480
0.164	1.570
0.425	29.800
0.071	6.300
0.069	5.880
0.063	0.830
0.053	6.290
0.061	8.130
0.147	1.030
0.100	1.790
0.065	14.700
0.205	4.560
0.096	1.020
0.617	1.180
0.100	0.817
0.124	1.250
0.056	1.050
0.214	0.356
0.466	6.360
0.113	9.410
0.141	25.000
0.310	11.900
0.082	1.050
0.190	0.263
0.087	0.510
0.073	
0.118	
0.088	
0.079	
0.055	
0.219	
0.094	
0.095	
0.078	
0.120	
0.182	
0.121	
0.127	
0.229	
0.065	
0.183	
0.114	

0.068
0.070
0.174
0.347
0.095
0.068
0.325
0.131
0.150
0.064
1.230
0.483
0.270
0.068
0.110
0.131
0.138
<0.05
0.413
0.113
0.068
0.060
0.212
0.100
0.076
0.052
0.059
0.141
0.209
0.105
0.104
0.425
0.121
0.078
0.092
0.092
0.066
0.085
0.089
0.157
1.470
0.133
0.275
0.684

0.741
0.095
0.108
0.280
0.052
0.059
0.279
0.398
0.167
0.050
0.050
0.168
0.093
0.093
0.059
0.191
0.055
0.117
0.354
0.208
0.119
0.124
0.798
0.138
0.069
0.064
0.196
0.419
0.085
0.076
0.350
0.091
0.237
0.060
0.757
0.183
0.069
0.060
0.222
0.117
0.078
0.063
0.075
0.115

0.177
0.086
0.452
0.351
0.259
0.213
0.051
0.059
0.586
0.484
0.052
0.166
0.176
0.151
0.062
0.057
0.227
0.122
0.113
0.056
0.118
0.733
0.072
0.058
0.560
0.131
0.147
0.710
0.571
0.252
0.088
0.133
0.244
0.125
0.106
0.076
0.234
0.123
0.220
0.347
1.000
0.151
0.134
0.287

0.072		
0.162		
0.152		
0.120		
0.211		
0.198		
0.228		
0.081		
1.460		
0.128		
0.082		
0.223		
0.162		
0.110		
0.324		
0.221		
0.343		
0.066		
0.235		
0.252		
0.208		
0.650		
0.150		
0.347		
0.227		
0.067		
0.842		
0.496		
0.172		
0.200		
0.170	2.314	Mean
0.191	3.731	St Dev
0.037	13.923	Varance
335.000	158.000	Count

Appendix D Caltrans ADL Workplan Concurrence Letter

October 3, 2019

Project: "RIV-15 ELP SOUTHERN EXT(Project# 0J082 / EFIS# 0818000063) "
Subject: ADL WORKPLAN
Senior: Shawn Oriaz
Generalist: Diana DeGroot
Document Date: October 2019

Environmental Engineering Oversight has reviewed the ADL WORKPLAN for the above referenced project. We have no comments.

If you have questions regarding this review, please contact Donald Cheng via email at Donald.Cheng@dot.ca.gov.

Zachary Freeman

From: Ciacchella, Daniel@DOT <Daniel.Ciacchella@dot.ca.gov>
Sent: Tuesday, October 15, 2019 2:56 PM
To: Bannasch, Brooke; Hager, Mark
Cc: Stephanie Blanco (SBlanco@RCTC.org); Nisa Hester
Subject: FW: Project: "RIV-15 ELP SOUTHERN EXT(Project# 0J082 / EFIS# 0818000063) " ADL workplan
Attachments: 0J082 ADL Workplan 2019_10.doc; EA 0J0820 ADL Workplan Response to comments 9-11-19.pdf

FYI

Daniel Ciacchella, P.E.
Caltrans Consultant Project Manager
Program/Project Management
California Department of Transportation – District 8
464 West 4th Street
San Bernardino, CA 92401
Cell: (951) 452-6169

From: Odufalu, Olufemi A@DOT
Sent: Tuesday, October 15, 2019 2:49 PM
To: Ciacchella, Daniel@DOT <Daniel.Ciacchella@dot.ca.gov>
Subject: FW: Project: "RIV-15 ELP SOUTHERN EXT(Project# 0J082 / EFIS# 0818000063) " ADL workplan