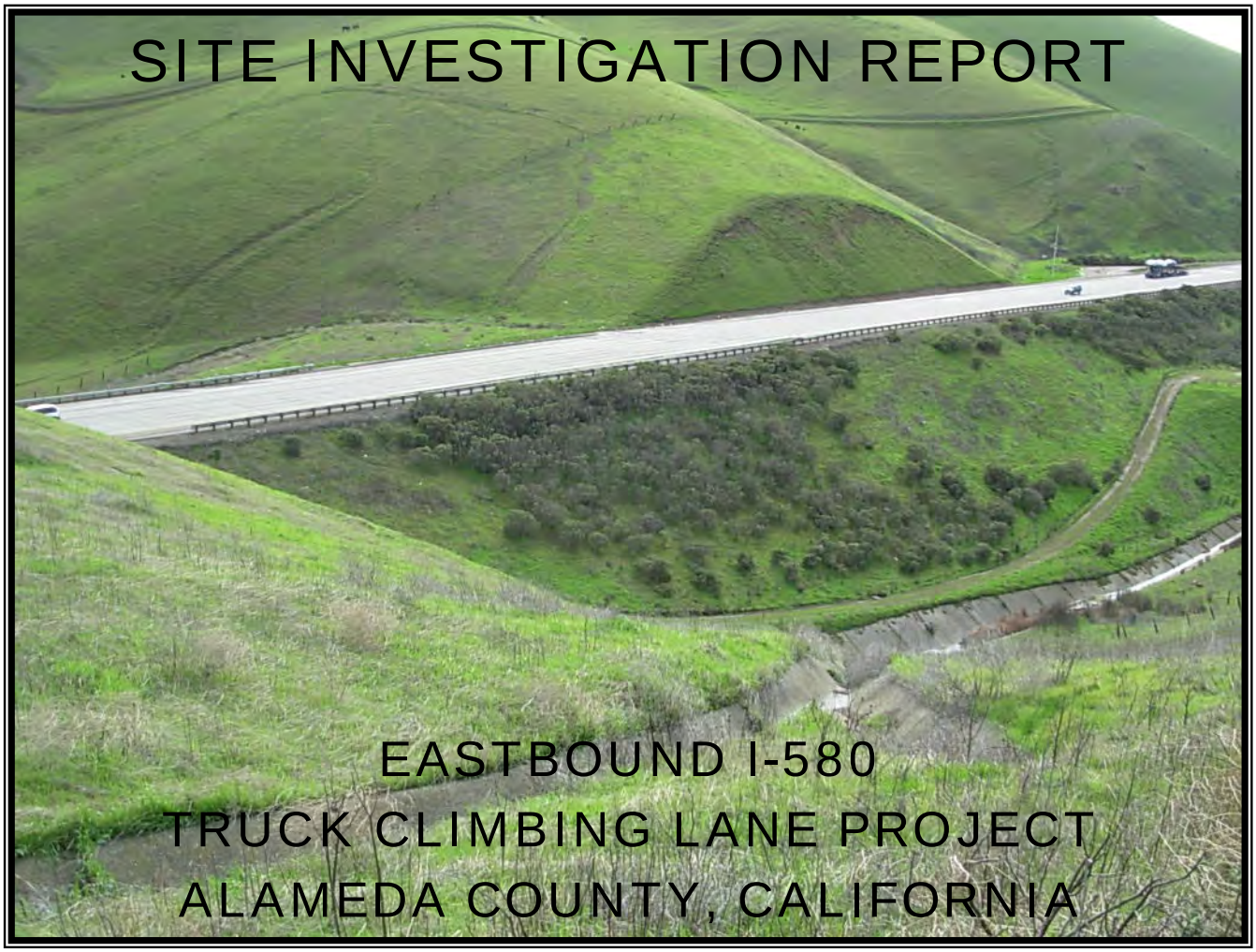

SITE INVESTIGATION REPORT

EASTBOUND I-580
TRUCK CLIMBING LANE PROJECT
ALAMEDA COUNTY, CALIFORNIA

PREPARED FOR:
CALTRANS DISTRICT 4
111 GRAND AVENUE, MS 8C
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CALTRANS PROJECT ID 0400001103 (EA 04-4A0700)

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REPORT LIMITATIONS

This report has been prepared exclusively for the State of California Department of Transportation (Caltrans) District 4. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.

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SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This Site Investigation Report for the Eastbound I-580 Truck Climbing Lane project was prepared by Geocon Consultants, Inc. under California Department of Transportation (Caltrans) Contract No. 04A2912 and Task Order (TO) 47, EA 04-4A0700.

1.1 Project Description and Proposed Improvements

The project area consists of eastbound I-580 from one mile east of North Flynn Road (in unincorporated Alameda County) at Post Mile (PM) R4.9, to the Greenville Road undercrossing at PM R8.2 in the City of Livermore. Caltrans is proposing to widen the outside of I-580 to provide a truck climbing lane in the eastbound direction over the Altamont Pass from Greenville Road to approximately one mile east of the North Flynn Road interchange. The project also proposes to construct seven retaining walls (RWs) and install rock slope protection along the widening, which includes anchored wire mesh and drapery netting. Three types of RWs are proposed for the project. Soil nail walls are planned for RW nos. 2, 3, and 4; tie-back walls are planned for RW nos. 5, 6, and 7; and a standard retaining wall type 1 is proposed for RW no. 8. Pavement rehabilitation, median barrier reconstruction, and replacement of damaged Portland cement concrete (PCC) slab as required, will be conducted after construction of the widening. The project site is depicted on the Vicinity Map, Figure 1.

1.2 General Objectives

The purposes of the proposed scope of services are to: 1) evaluate concentrations of metals, including aerially-deposited lead (ADL) and hexavalent chromium, and soil pH, in near surface soil, and 2) to evaluate concentrations of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl-tert-butyl ether (MTBE) in deeper soil and groundwater at proposed retaining wall/structure locations. The information obtained from this investigation will be used by Caltrans to coordinate Eastbound I-580 Truck Climbing Lane project activities, evaluate soil reuse/disposal options, groundwater handling requirements, and worker health and safety.

2.0 BACKGROUND

2.1 Hazardous Waste Determination Criteria

Regulatory criteria to classify a waste as California hazardous for handling and disposal purposes are contained in the CCR, Title 22, Division 4.5, Chapter 11, Article 3, §66261.24. Criteria to classify a waste as Resource, Conservation, and Recovery Act (RCRA) hazardous are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), Section 261.

For waste containing metals, the waste is classified as California hazardous when: 1) the total metal content exceeds the respective Total Threshold Limit Concentration (TTLC); or 2) the soluble metal content exceeds the respective Soluble Threshold Limit Concentration (STLC) based on the standard Waste Extraction Test (WET). A waste has the potential of exceeding the STLC when the waste's total metal content is greater than or equal to ten times the respective STLC value since the WET uses a 1:10 dilution ratio. Hence, when a total metal is detected at a concentration greater than or equal to ten times the respective STLC, and assuming that 100 percent of the total metals are soluble, soluble metal analysis is required. A material is classified as RCRA hazardous, or Federal hazardous, when the soluble metal content exceeds the Federal regulatory level based on the Toxicity Characteristic Leaching Procedure (TCLP).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability and corrosivity; however, for the purposes of this investigation, toxicity (i.e., lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or other criteria. Waste that is classified as either California hazardous or RCRA hazardous requires management as a hazardous waste.

2.2 DTSC Variance

The DTSC issued a statewide Variance effective July 1, 2009, regarding the management of ADL-impacted soils within Caltrans right-of-way. Under the Variance, soil that is classified as a non-RCRA hazardous waste, based primarily on ADL content, may be suitable for reuse within Caltrans right-of-way. ADL soil that is classified as a RCRA hazardous waste is not eligible for reuse under the Variance and must be disposed of as a RCRA hazardous waste (Caltrans Type Z-3).

ADL soil reused under the Variance must always be at least five feet above the highest groundwater elevation and, depending on lead concentrations, must be covered with at least one foot of non-hazardous soil or a pavement structure. The ADL soil may not be placed in areas where it might contact groundwater or surface water (such as streams and rivers), and must be buried in locations that are protected from erosion that may result from storm water run-on and run-off.

Review of the statewide Variance indicates the following conditions regarding the reuse and management of ADL-impacted soil as fill material for construction and maintenance operations. If ADL soil meets the Variance criteria but is not intended to be reused within Caltrans right-of-way, then the excavated soil must be disposed of as a California hazardous waste (Caltrans Type Z-2). A copy of the Variance is presented as Appendix A.

Caltrans Type Y-1

ADL soil exhibiting a total lead concentration less than or equal to 1,411 milligrams per kilogram (mg/kg), a DI-WET (WET using deionized water as extractant) lead concentration less than or equal to 1.5 milligrams per liter (mg/l), and a pH value greater than or equal to 5.5 may be reused within the same Caltrans corridor and must be covered with at least one foot of non-hazardous soil.

Caltrans Type Y-2

ADL soil exhibiting a total lead concentration less than or equal to 1,411 mg/kg, a DI-WET lead concentration less than or equal to 1.5 mg/l, and a pH value greater than 5 and less than 5.5 may be reused within the same Caltrans corridor and must be covered and protected from infiltration by a pavement structure.

ADL soil exhibiting a total lead concentration less than or equal to 1,411 mg/kg, a DI-WET lead concentration greater than 1.5 mg/l and less than or equal to 150 mg/l, and a pH value greater than 5 may be reused within the same Caltrans corridor and must be covered and protected from infiltration by a pavement structure.

ADL soil exhibiting a total lead concentration greater than 1,411 mg/kg and less than or equal to 3,397 mg/kg, a DI-WET lead concentration less than or equal to 150 mg/l, and a pH value greater than 5 may be reused within the same Caltrans corridor and must be covered and protected from infiltration by a pavement structure.

Caltrans Type Z-2

ADL soil exhibiting a total lead concentration greater than 3,397 mg/kg, a DI-WET lead concentration greater than 150 mg/l, or a pH value less than or equal to 5 is not eligible for reuse under the Variance and must be disposed of as a California hazardous waste.

If ADL soil meets the Variance criteria but the soil is not intended to be reused within Caltrans right-of-way, then the excavated soil must be disposed as a California hazardous waste; in this situation, ADL soil that meets Type Y-1 or Y-2 criteria would be designated as Type Z-2.

Caltrans Type Z-3

ADL soil exhibiting a TCLP lead concentration greater than or equal to 5 mg/l is not eligible for reuse under the Variance and must be disposed of as a RCRA hazardous waste.

2.3 Risk-Based Screening Criteria

2.3.1 Environmental Screening Levels

The San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) has prepared a technical report entitled *Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater, Interim Final* (May 2008), which presents Environmental Screening Levels (ESLs) for soil, groundwater, soil gas, and surface water to assist in evaluating sites impacted by releases of hazardous chemicals. The ESLs are conservative values for more than 100 commonly detected contaminants, which may be used to compare with environmental data collected at a site. ESLs are strictly risk assessment tools and "not regulatory clean up standards." The presence of a chemical at concentrations in excess of an ESL does not necessarily indicate that adverse impacts to human health or the environment are occurring; this simply indicates that a potential for adverse risk may exist and that additional evaluation is or "may be" warranted (SFBRWQCB, 2008).

The following ESL tables were used for comparison to the analytical results: Table A – Shallow Soil (≤3 meters below ground surface; bgs) – Groundwater is a Current or Potential Source of Drinking Water and K-3 – Direct Exposure Trench/Construction Worker. The respective ESLs are listed at the end of Tables 3 through 5 for comparative purposes.

2.3.2 California Human Health Screening Levels

The California Environmental Protection Agency (Cal/EPA) has prepared technical reports entitled *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties* (Cal/EPA, January 2005) and *Revised California Human Health Screening Levels for Lead* (Cal/EPA, September 2009), which present CHHSLs for soil, shallow soil gas, and indoor air to assist in evaluating sites impacted by releases of hazardous chemicals.

The CHHSLs are concentrations of 54 hazardous chemicals that Cal/EPA considers to be below thresholds of concern for risks to human health. The CHHSLs were developed by the Office of Environmental Health Hazard Assessment (OEHHA) on behalf of Cal/EPA. The thresholds of concern used to develop the CHHSLs are an excess lifetime cancer risk of one in a million and a hazard quotient or 1.0 for noncancer effects. Under most circumstances, the presence of a chemical at concentrations below its respective CHHSL can be assumed to not pose a significant risk. The presence of a chemical at concentrations above a CHHSL does not indicate that adverse impacts to human health are occurring or will occur, but suggests that further evaluation is warranted (Cal/EPA, January 2005).

The CHHSLs were used for comparison to the metals analytical results shown on Table 3 and are found in: Table 1 – California Human Health Screening Levels for Soil and Comparison to Other Potential Environmental Concerns (Cal/EPA, January 2005) and Table 3 – Comparison of 2005 CHHSLs to Revised CHHSLs (Cal/EPA, September 2009).

3.0 SCOPE OF SERVICES

The scope of services requested by Caltrans under TO-47, EA 04-4A0700 included the following:

3.1 Pre-field Activities

- Conducted pre-work site visit and task order meeting with the Caltrans Task Order Manager on June 14, 2010.
- Prepared a Health and Safety Plan (HSP) for the proposed sampling. The HSP provides guidelines on the use of personal protective equipment and the health and safety procedures to be implemented during the proposed survey activities as specified in T8 CCR §1529 (Cal/OSHA Asbestos Standard), T8 CCR §3203 (Injury and Illness Prevention Program), T8 CCR §3204 (Access to Employee Exposure and Medical Records), T8 CCR §5095-5100 (Hearing Conservation Program), T8 CCR §5144 (Respiratory Protection), and T8 CCR §5192 (Hazardous Waste Operations and Emergency Response).
- Obtained a Drilling Permit from Zone 7 Water Agency for the borings proposed to groundwater.

- Contracted with D&M Traffic Services to provide traffic control (lane closure) and signage services as necessary in conformance with Caltrans *Standard Provisions* for *Maintaining Traffic* as specified in *Standard Plans T-10, the Caltrans Manual of Uniform Traffic Control Devices (CA-MUTCD),* and assist in coordination of lane closure requests, as outlined in Attachment P of the TO.
- Retained California Highway Patrol (CHP) for traffic control assistance.
- Retained the services of Gregg Drilling and Testing, Inc. for direct-push and air rotary drilling rigs to advance the soil borings.
- Retained the services of a Caltrans-approved laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) to perform the analyses.
- Notified Underground Service Alert (USA) at least 48 hours prior to fieldwork.

3.2 Field Activities

The field investigation was performed between July 6 and July 30, 2010, by Geocon staff Chris Merritt, Professional Geologist (PG), Lauren Vigliotti, and Dave Watts. The following field activities were performed during the sampling efforts:

- Advanced 220 soil borings along the eastbound shoulder and median of I-580 using hand-auger, direct-push drilling, and air rotary drilling techniques. Soil borings were advanced to maximums depths ranging from 6 to 45 feet, or until refusal was encountered.
- Collected a total of 1,151 soil samples for selected analysis of total lead, CAM 17 metals, hexavalent chromium, petroleum hydrocarbon compounds, and pH.
- Collected one grab-groundwater sample from boring X2-RW2 for analysis of petroleum hydrocarbon compounds.
- Transported samples to Advanced Technology Laboratories, Inc. (ATL) for analysis under standard chain-of-custody (COC) documentation.

4.0 INVESTIGATIVE METHODS

4.1 Sampling Procedures

Soil samples were collected from 222 of the 225 proposed borings identified by the Caltrans TO Manager. Boring locations are shown on the Site Plans, Figures 2a-l, and were identified in the field by Geocon using Differential Global Positioning System (DGPS) equipment. Boring coordinates are presented on Table 1. Five soil borings (AC3-R, AQ1-R, BG2-RW3, S1-L, and W-MED) were not advanced due to inaccessibility. In addition, twelve boring locations were adjusted due to inaccessibility, and are indicated on Table 1.

Soil samples were collected from the borings at target depth intervals of 0 to 0.5 foot, 0.5 to 1 foot, 1.5 to 2 feet, 2.5 to 3 feet, 3.5 to 4 feet, and 5.5 to 6 feet. Deeper soil samples were also collected from selected borings at depths of 7.5 to 8 feet, 8.5 to 9 feet, 13.5 to 14 feet, 14.5 to 15 feet, 15.5 to 16 feet, 17.5 to 18 feet, 19.5 to 20 feet, 39.5 to 40 feet, and 44.5 to 45 feet. Groundwater was encountered in one boring (X2-RW2) at a depth of approximately 41.5 feet, and was not encountered in any of the other borings advanced during the investigation. Boring logs for selected borings are presented as Appendix B.

Soil samples collected using a hand auger and the air rotary rig were placed into new glass jars secured with Teflon-lined screw caps for CAM 17 metals and petroleum hydrocarbon compounds analyses. Soil samples collected using the direct-push rig were cut from the acetate liners at the desired depth interval and sealed with Teflon tape and plastic end caps. Soil samples for total lead analysis were collected into new re-sealable plastic bags. The grab-groundwater sample collected from boring X2-RW2 was collected using a clean stainless-steel bailer and dispensed into laboratory-supplied containers that were pre-preserved as needed.

Sample containers were sealed, labeled, placed in an ice-filled cooler, and transported to ATL using standard COC documentation. The soil borings were backfilled to the surface with excess soil cuttings or neat cement grout.

Geocon provided QA/QC procedures during the field activities. These procedures included washing the sampling equipment with a Liqui-Nox® solution followed by a double rinse with deionized water before each sample was collected. Decontamination water was disposed to the ground surface within Caltrans right-of-way in a manner not to create runoff, away from drain inlets or potential water bodies.

4.2 Laboratory Analyses

Laboratory analyses were performed by ATL under standard seven-day turn-around-time. Reproductions of the laboratory reports and COC documentation are presented as Appendix C.

Soil samples were analyzed as follows:

- 270 samples for CAM17 metals according to Title 22 CCR, Environmental Protection Agency (EPA) Test Methods 6010 ICAP and 7471A.
- 881 samples for total lead using EPA Method 6010 ICAP.
- 177 samples with total lead concentrations greater than 50 mg/kg (i.e., greater than ten times the STLC of 5.0 mg/l) were further analyzed for soluble WET lead.

- 15 samples with total lead concentrations greater than 100 mg/kg and WET lead concentrations greater than and 5.0 mg/l were further analyzed for TCLP lead using EPA Method 1311.
- 85 samples with WET lead concentrations greater than 5.0 mg/l were further analyzed for DI-WET lead.
- 27 samples for hexavalent chromium using EPA Test Method 7196A.
- 118 samples for pH using EPA Method 9045.
- 19 samples for TPH as diesel and as motor oil (TPHd/mo) using EPA Test Method 8015M.
- 19 samples for TPH as gasoline (TPHg), BTEX and MTBE using EPA Test method 8021.

One grab-groundwater sample, X2-RW2 GW, was analyzed for TPHg, TPHd/mo, BTEX, and MTBE using the test methods listed above.

4.3 Laboratory QA/QC

QA/QC procedures were performed for each method of analysis with specificity for each analyte listed in the test method's QA/QC. The laboratory QA/QC procedures included the following:

- One method blank for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One spiked sample for every ten samples, batch of samples or type of matrix; whichever was more frequent, with spike made at ten times the detection limit or at the analyte level.

Prior to submitting the samples to the laboratories, the COC documentation was reviewed for accuracy and completeness (Appendix C).

5.0 INVESTIGATIVE RESULTS

5.1 Subsurface Conditions

Observations during the advancement of borings indicated that soil between the surface and a depth of approximately six feet generally consists of gray/brown, silty sand and gravelly sand. In addition, four borings (BA2-RW3, BF2-RW3, BO1-RW8, and BP1-RW8) were advanced to depths of eight to nine feet, with soil generally consisting of brown silty sand. Weathered bedrock consisting of shale and siltstone was also encountered in many of the borings at depths between approximately four and nine feet. Refusal on bedrock was encountered in numerous borings at depths between one and nine feet. Boring logs for selected borings are presented as Appendix B.

Nineteen deeper borings were advanced using an air rotary rig to maximum depths between 14 and 45 feet. Groundwater was only encountered in one boring (X2-RW2 at 41.5 feet); boring X2-RW2 was advanced to a total depth of 45 feet to allow a grab-groundwater sample to be collected.

5.2 Laboratory Analytical Results

A summary of the analytical results for the soil samples are presented in Tables 2 through 4; and the analytical results for the grab-groundwater sample are present in Table 5. Reproductions of the laboratory reports and chain-of-custody documentation are presented as Appendix C. The soil results are summarized below:

5.2.1 Eastbound Shoulder Borings

- With the exception of lead, CAM 17 metals were reported in the soil samples at concentrations less than ten times their respective STLCs (see Table 3).
- Total lead was reported at concentrations ranging from of 2.5 to 1,100 mg/kg, with two samples exceeding the TTLC of 1,000 mg/kg.
- Hexavalent chromium was reported in one sample at 0.17 mg/kg.
- WET lead was detected above the laboratory reporting limit of 0.25 mg/l at concentrations ranging from 0.29 to 57 mg/l.
- DI-WET lead was not detected above the laboratory reporting limit of 0.25 mg/l in the samples analyzed.
- TCLP lead was reported in the eight samples analyzed at concentrations ranging from 0.29 to 3.9 mg/l.
- TPHd was reported in the soil samples at concentrations ranging from 1.0 to 29 mg/kg.
- TPHmo was reported in the soil samples at concentrations ranging from 1.3 to 73 mg/kg.
- TPHg, BTEX, or MTBE were not detected above their respective laboratory reporting limits in the soil samples.
- Soil pH values ranged from 6.9 to 12.

The grab-groundwater sample collected from boring X2-RW2 had a reported TPHd concentration of 0.068 mg/l. TPHmo, TPHg, BTEX, and MTBE were not detected above their respective laboratory reporting limits in the grab-groundwater sample.

5.2.2 Median Borings

- With the exception of lead, CAM 17 metals were reported in the soil samples at concentrations less than ten times their respective STLCs (see Table 3).
- Total lead was reported at concentrations ranging from of 1.8 mg/kg to 1,300 mg/kg, with three samples exceeding the TTLC of 1,000 mg/kg.
- Hexavalent chromium was not detected above the laboratory reporting limit of 0.10 mg/kg.
- WET lead was detected above the laboratory reporting limit of 0.25 mg/l at concentrations ranging from 0.35 to 26 mg/l.
- DI-WET lead was not detected above the laboratory reporting limit of 0.25 mg/l in the samples analyzed.
- TCLP lead was reported in the seven samples analyzed at concentrations ranging from 0.43 to 3.9 mg/l.
- TPHd was reported in the soil samples at concentrations ranging from 1.0 to 4.4 mg/kg.
- TPHmo was reported in the soil samples at concentrations ranging from 1.3 to 12 mg/kg.
- TPHg, BTEX, or MTBE were not detected above their respective laboratory reporting limits in the soil samples.
- Soil pH values ranged from 7.5 to 9.4.

5.3 Laboratory QA/QC

We reviewed the QA/QC results provided with the laboratory analytical reports. The data indicate non-detect results for the method blanks.

Matrix spike and/or matrix spike duplicates (MS/MSDs) were outside recovery criteria for several of the analyses. The relative percent differences (RPDs) of the duplicate samples for a number of the analyses were outside criteria. However, the case narratives in the laboratory reports state that the analytical batch was validated by the laboratory control sample (LCS). The data showed acceptable recoveries and RPDs for the remainder of the duplicates and matrix spikes.

Dilution was necessary for several analyses based on visual and/or olfactory indications that a component of the sample (i.e., sample matrix) may interfere with the analytical run. It is also possible that results of initial sample analysis were above the linear range of quantitation by the laboratory, therefore requiring dilution.

Based on this limited data review, no additional qualifications of the soil data are necessary, and the data are of sufficient quality for the purposes of this report.

5.4 Statistical Evaluation for Lead Detected in Soil Samples

Per the Task Order, the lead data for the Site were treated as six separate sample populations for statistical evaluation. A list of the borings contained in each sample population is provided in Appendix D, and consisted of soil samples collected from the following areas:

A) Eastbound Shoulder, $0 < X < 3$ feet from existing pavement
B) Eastbound Shoulder, $3 \leq X \leq 6$ feet from existing pavement
C) Eastbound Shoulder, $6 < X \leq 9$ feet from existing pavement
D) Eastbound Shoulder, boring location greater than 9 feet from existing pavement
E) Median, $0 < X < 3$ feet from existing pavement
F) Median, boring location greater than 3 feet from existing pavement

Statistical methods were applied to the total lead data to evaluate: 1) the upper confidence limits (UCLs) of the arithmetic means of the total lead concentrations for each sampling depth; and 2) if an acceptable correlation between total and soluble lead concentrations exists that would allow the prediction of WET lead concentrations based on calculated UCLs.

Due to a sample population consisting of two borings, we used maximum reported total lead concentrations for the statistical evaluation of sample population F. Maximum concentrations were conservatively used because UCLs cannot be computed for data sets consisting of four or less unique values.

5.4.1 Calculating the UCLs for the Arithmetic Mean

The upper one-sided 90% and 95% UCLs of the arithmetic mean are defined as the values that, when calculated repeatedly for randomly drawn subsets of site data, equal or exceed the true mean 90% and 95% of the time, respectively. Statistical confidence limits are the classical tool for addressing uncertainties of a distribution mean. The UCLs of the arithmetic mean concentration are used as the mean concentrations because it is not possible to know the true mean due to the essentially infinite number of soil samples that could be collected from a site. The UCLs therefore account for uncertainties due to limited sampling data. As data become less limited at a site, uncertainties decrease, and the UCLs move closer to the true mean.

Non-parametric bootstrap techniques were used to calculate the UCLs. For those samples in which total lead was not detected, a value equal to one-half of the detection limit was used in the UCL calculation. The bootstrap test results are included in Appendix D.

The following tables present the calculated UCLs and statistics for each data set. Note that maximum reported lead concentrations were used for sample population F due to the small number of samples in the data set.

Sample Population A- Eastbound Shoulder, 0 < X < 3 feet from existing pavement

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	157.1	166.5	125.1	2.5	640
0.5 to 1	56.8	61.1	40.5	2.5	420
1.5 to 2	28.3	30.5	18.4	2.5	270
2.5 to 3	21.4	23.3	14.5	2.5	180
3.5 to 4	8.7	8.9	7.8	2.5	19
5.5 to 6	14.4	15.0	11.9	2.5	48

Sample Population B - Eastbound Shoulder, 3 ≤ X ≤ 6 feet from existing pavement

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	103	109.9	80.4	2.5	400
0.5 to 1	101.4	113.0	58.0	2.5	1,100
1.5 to 2	35.4	38.5	25.1	2.5	210
2.5 to 3	15.6	16.4	12.9	2.5	52
3.5 to 4	16.5	17.6	13.1	2.5	72
5.5 to 6	14.6	15.2	12.4	2.5	38

Sample Population C - Eastbound Shoulder, 6 < X ≤ 9 feet from existing pavement

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	128.4	138.1	98.3	2.5	570
0.5 to 1	62.2	66.9	44.3	2.5	270
1.5 to 2	40.2	43.8	28.6	2.5	220
2.5 to 3	20.9	22.0	16.6	2.5	78
3.5 to 4	28.3	30.6	19.3	2.5	170
5.5 to 6	41.4	44.8	26.5	2.5	260

Sample Population D - Eastbound Shoulder,
boring location greater than 9 feet from existing pavement

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	151.4	157.8	128.7	2.5	690
0.5 to 1	84.4	91.1	62.8	2.5	1,100
1.5 to 2	38.6	41.2	28.9	2.5	410
2.5 to 3	62.6	68.0	43.5	2.5	800
3.5 to 4	36.5	39.4	27.5	2.5	300
5.5 to 6	26.3	28.5	18.6	2.5	240

Sample Population E - Median, 0 < X < 3 feet from existing pavement

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	393.4	422.9	264.7	2.5	1,300
0.5 to 1	77.8	87.2	47.0	2.5	1,200
1.5 to 2	10.8	11.4	9.1	2.5	50
2.5 to 3	56.2	61.4	36.4	2.5	730
3.5 to 4	17.6	18.6	13.6	2.3	120
5.5 to 6	106.4	119.0	53.1	2.5	560

Sample Population F - Median, boring location greater than 3 feet from existing pavement

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0.5 to 1	Not Calculated	Not Calculated	36.5	7.0	66
1.5 to 2	Not Calculated	Not Calculated	7.0	2.5	12
2.5 to 3	Not Calculated	Not Calculated	3.8	2.5	5.0
3.5 to 4	Not Calculated	Not Calculated	12	8.3	16
5.5 to 6	Not Calculated	Not Calculated	6.4	1.8	11

5.4.2 Correlation of Total and WET Lead

Total and corresponding WET lead concentrations are bivariate data with a linear structure. This linear structure should allow for the prediction of WET lead concentrations based on the UCLs calculated above in Section 5.4.1.

To estimate the degree of interrelation between total and corresponding WET lead values (x and y, respectively), the *correlation coefficient [r]* is used. The correlation coefficient is a ratio that ranges from +1 to –1. A *correlation coefficient* of +1 indicates a perfect direct relationship between two variables; a *correlation coefficient* of –1 indicates that one variable changes inversely with relation to the other. Between the two extremes is a spectrum of less-than-perfect relationships, including zero, which indicates the lack of any sort of linear relationship at all. The *correlation coefficient* was calculated for the 177 (x, y) data points (i.e., soil samples analyzed for both total lead [x] and WET lead [y]). The resulting *coefficient of determination* (r^2) equaled 0.656, which yields a corresponding *correlation coefficient* (r) of 0.810.

For the *correlation coefficient* that indicates a linear relationship between total and WET lead concentrations, it is possible to compute the line of dependence or a best-fit line between the two variables. A least squares method was used to find the equation of a best-fit line (regression line) by forcing the y-intercept equal to zero since that is a known point. The equation of the regression line was determined to be $y = 0.053(x)$, where x represents total lead concentrations and y represents predicted WET lead concentrations. To achieve an acceptable correlation (i.e., $r \geq 0.8$, per Caltrans requirements), the five samples with the highest squared residual WET lead values were not included in the regression. Residual values are the difference between the reported WET lead value and the predicted value represented by the regression line (i.e., vertical distance, y value of the data point, and the regression line).

The equation of the regression line presented above was used to predict WET lead concentrations for the UCLs calculated in for samples collected from the Site (see Section 5.4.1). Regression analysis results and a scatter plot depicting the (x, y) data points along with the regression line are included in Appendix D. The predicted WET lead concentrations are summarized in Tables 6a-f.

6.0 CONCLUSIONS

Waste classifications are evaluated based on the 90% UCL of the lead content for the relevant excavation depths; this has historically been considered sufficient to satisfy a good faith effort by the EPA as discussed in SW-846. Risk assessment characterization is based on the 95% UCL of the lead content in the waste for the relevant depths; this is in accordance with the Risk Assessment Guidance for Superfund (RAGS) Volume 1 Documentation for Exposure Assessment. Per Caltrans, the 90% UCLs are to be used to evaluate onsite reuse and the 95% UCLs are to be used to evaluate offsite disposal.

6.1 Predicted WET Lead Results

6.1.1 Eastbound Shoulder, 0 < X < 3 feet from existing pavement

The following table summarizes the predicted WET lead concentrations and the waste classification for excavated soil based on the calculated weighted averages of the total lead UCLs, and the relationship between total and WET lead for data collected at the Site. Weighted averages are calculated by using the total lead concentration for each 0.5-foot depth interval as the value for the underlying 0.5-foot depth interval (unless a sample was collected from the underlying depth interval). The weighted average method is graphically depicted in Appendix D. The total and WET lead calculations are summarized below and in Table 6a.

Excavation Depth	**90% UCL Total Lead (mg/kg)**	**Predicted WET Lead (mg/l)**	**95% UCL Total Lead (mg/kg)**	**Waste Classification**
0 to 0.5 foot	157	**8.3**	167	**Hazardous**
Underlying soil (0.5 to 6 ft)	*24*	*1.3*	*25*	*Non-Hazardous*
0 to 1 foot	107	**5.7**	114	**Hazardous**
Underlying soil (1 to 6 ft)	*21*	*1.1*	*22*	*Non-Hazardous*
0 to 2 feet	75	4.0	80	Non-Hazardous
Underlying Soil (2 to 6 ft)	*15*	*0.8*	*16*	*Non-Hazardous*
0 to 6 feet	35	1.8	37	Non-Hazardous

90% UCL applicable for waste classification
95% UCL applicable for risk assessment

Based on the data in the above table, if excavated separately, soil from the surface to a depth of either 0.5 or 1 foot would be classified as a California hazardous waste since the 90% UCL-predicted WET lead concentrations are greater than the lead STLC of 5.0 mg/l. Based on the TCLP lead results, the excavated soil would not be classified as a RCRA hazardous waste. Underlying soil (i.e., deeper than

0.5 foot or 1 foot) would be classified as non-hazardous. If soil from the surface to a depth of 2 feet or greater were excavated as a whole, it would be classified as non-hazardous waste since the predicted WET lead concentrations are below the STLC.

Based on the reported DI-WET and pH results, soil excavated from the surface to a depth of 1.0 foot may be reused onsite (as Caltrans Type Y-1) in accordance with the DTSC Variance by placing the excavated soil under at least 1 foot of clean fill or pavement. If soil from the surface to a depth of 1 foot is excavated as surplus material, it would be classified as hazardous waste and must be disposed at a Class 1 landfill.

6.1.2 Eastbound Shoulder, 3 ≤ X ≤ 6 feet from existing pavement

The following table summarizes the predicted waste classification for excavated soil based on the calculated weighted averages of the total lead UCLs for data collected from this portion of the Site. The total and WET lead calculations are summarized below and in Table 6b.

Excavation Depth	**90% UCL Total Lead (mg/kg)**	**Predicted WET Lead (mg/l)**	**95% UCL Total Lead (mg/kg)**	**Waste Classification**
0 to 0.5 foot	103	**5.5**	110	**Hazardous**
Underlying soil (0.5 to 6 ft)	*35*	*1.9*	*38*	*Non-Hazardous*
0 to 1 foot	102	**5.4**	111	**Hazardous**
Underlying soil (1 to 6 ft)	*28*	*1.5*	*31*	*Non-Hazardous*
0 to 2 feet	85	4.5	94	Non-Hazardous
Underlying Soil (2 to 6 ft)	*18*	*1.0*	*20*	*Non-Hazardous*
0 to 6 feet	41	2.2	44	Non-Hazardous

90% UCL applicable for waste classification
95% UCL applicable for risk assessment

Based on the data in the above table, if excavated separately, soil from the surface to a depth of either 0.5 or 1 foot would be classified as a California hazardous waste since the 90% UCL-predicted WET lead concentrations are greater than the lead STLC of 5.0 mg/l. Based on the TCLP lead results, the excavated soil would not be classified as a RCRA hazardous waste. Underlying soil (i.e., deeper than 0.5 foot or 1 foot) would be classified as non-hazardous. If soil from the surface to a depth of 2 feet or greater were excavated as a whole, it would be classified as non-hazardous waste since the predicted WET lead concentrations are below the STLC.

Based on the reported DI-WET and pH results, soil excavated from the surface to a depth of 1.0 foot may be reused onsite (as Caltrans Type Y-1) in accordance with the DTSC Variance by placing the excavated soil under at least 1 foot of clean fill or pavement. If soil from the surface to a depth of 1 foot is excavated as surplus material, it would be classified as hazardous waste and must be disposed at a Class 1 landfill.

6.1.3 Eastbound Shoulder, 6 < X ≤ 9 feet from existing pavement

The following table summarizes the predicted waste classification for excavated soil based on the calculated weighted averages of the total lead UCLs for data collected from this portion of the Site. The total and WET lead calculations are summarized below and in Table 6c.

Excavation Depth	90% UCL Total Lead (mg/kg)	Predicted WET Lead (mg/l)	95% UCL Total Lead (mg/kg)	Waste Classification
0 to 0.5 foot	128	**6.8**	138	**Hazardous**
Underlying soil (0.5 to 6 ft)	*36*	*1.9*	*39*	*Non-Hazardous*
0 to 1 foot	95	**5.0**	102	**Hazardous**
Underlying soil (1 to 6 ft)	*34*	*1.8*	*37*	*Non-Hazardous*
0 to 2 feet	73	3.9	79	Non-Hazardous
Underlying Soil (2 to 6 ft)	*30*	*1.6*	*32*	*Non-Hazardous*
0 to 6 feet	44	2.3	48	Non-Hazardous

90% UCL applicable for waste classification
95% UCL applicable for risk assessment

Based on the data in the above table, if excavated separately, soil from the surface to a depth of either 0.5 or 1 foot would be classified as a California hazardous waste since the 90% UCL-predicted WET lead concentrations are greater than the lead STLC of 5.0 mg/l. Based on the TCLP lead results, the excavated soil would not be classified as a RCRA hazardous waste. Underlying soil (i.e., deeper than 0.5 foot or 1 foot) would be classified as non-hazardous. If soil from the surface to a depth of 2 feet or greater were excavated as a whole, it would be classified as non-hazardous since the predicted WET lead concentrations are below the STLC.

Based on the reported DI-WET and pH results, soil excavated from the surface to a depth of 1.0 foot may be reused onsite (as Caltrans Type Y-1) in accordance with the DTSC Variance by placing the excavated soil under at least 1 foot of clean fill or pavement. If soil from the surface to a depth of 1 foot is excavated as surplus material, it would be classified as hazardous waste and must be disposed at a Class 1 landfill.

6.1.4 Eastbound Shoulder, boring location greater than 9 feet from existing pavement

The following table summarizes the predicted waste classification for excavated soil based on the calculated weighted averages of the total lead UCLs for data collected from this portion of the Site. The total and WET lead calculations are summarized below and in Table 6d.

Excavation Depth	90% UCL Total Lead (mg/kg)	Predicted WET Lead (mg/l)	95% UCL Total Lead (mg/kg)	Waste Classification
0 to 0.5 foot	151	**8.0**	158	**Hazardous**
Underlying soil (0.5 to 6 ft)	*49*	*2.6*	*53*	*Non-Hazardous*
0 to 1 foot	118	**6.2**	124	**Hazardous**
Underlying soil (1 to 6 ft)	*46*	*2.4*	*50*	*Non-Hazardous*
0 to 2 feet	90	4.8	95	Non-Hazardous
Underlying Soil (2 to 6 ft)	*42*	*2.2*	*45*	*Non-Hazardous*
0 to 6 feet	58	3.1	62	Non-Hazardous

90% UCL applicable for waste classification
95% UCL applicable for risk assessment

Based on the data in the above table, if excavated separately, soil from the surface to a depth of either 0.5 or 1 foot would be classified as a California hazardous waste since the 90% UCL-predicted WET lead concentrations are greater than the lead STLC of 5.0 mg/l. Based on the TCLP lead results, the excavated soil would not be classified as a RCRA hazardous waste. Underlying soil (i.e., deeper than 0.5 foot or 1 foot) would be classified as non-hazardous. If soil from the surface to a depth of 2 feet or greater were excavated as a whole, it would be classified as non-hazardous since the predicted WET lead concentrations are below the STLC.

Based on the reported DI-WET and pH results, soil excavated from the surface to a depth of 1.0 foot may be reused onsite (as Caltrans Type Y-1) in accordance with the DTSC Variance by placing the excavated soil under at least 1 foot of clean fill or pavement. If soil from the surface to a depth of 1 foot is excavated as surplus material, it would be classified as hazardous waste and must be disposed at a Class 1 landfill.

6.1.5 Median, 0 < X < 3 feet from existing pavement

The following table summarizes the predicted waste classification for excavated soil based on the calculated weighted averages of the total lead UCLs for data collected from this portion of the Site. The total and WET lead calculations are summarized below and in Table 6e.

Excavation Depth	90% UCL Total Lead (mg/kg)	Predicted WET Lead (mg/l)	95% UCL Total Lead (mg/kg)	Waste Classification
0 to 0.5 foot	393	**21**	423	**Hazardous**
Underlying soil (0.5 to 6 ft)	*42*	*2.2*	*47*	*Non-Hazardous*
0 to 1 foot	236	**12**	255	**Hazardous**
Underlying soil (1 to 6 ft)	*39*	*2.1*	*43*	*Non-Hazardous*
0 to 2 feet	140	**7.4**	152	**Hazardous**
Underlying Soil (2 to 6 ft)	*38*	*2.0*	*41*	*Non-Hazardous*
0 to 3 feet	104	**5.5**	114	**Hazardous**
Underlying Soil (3 to 6 ft)	*39*	*2.1*	*42*	*Non-Hazardous*
0 to 4 feet	88	4.6	95	Non-Hazardous
Underlying Soil (4 to 6 ft)	*40*	*2.1*	*44*	*Non-Hazardous*
0 to 6 feet	72	3.8	78	Non-Hazardous

90% UCL applicable for waste classification
95% UCL applicable for risk assessment

Based on the data in the above table, if excavated separately, soil from the surface to a depth of either 0.5, 1, 2, or 3 feet, would be classified as a California hazardous waste since the 90% UCL-predicted WET lead concentrations are greater than the lead STLC of 5.0 mg/l. Based on the TCLP lead results, the excavated soil would not be classified as a RCRA hazardous waste. Underlying soil (i.e., deeper than 0.5, 1, 2, or 3 feet) would be classified as non-hazardous. If soil from the surface to a depth of 4 feet or greater were excavated as a whole, it would be classified as non-hazardous since the predicted WET lead concentrations are below the STLC.

Based on the reported DI-WET results, soil excavated from the surface to a depth of 3 feet may be reused onsite (as Caltrans Type Y-1) in accordance with the DTSC Variance by placing the excavated soil under clean fill or pavement. If soil from the surface to a depth of 3 feet is excavated as surplus material, it would be classified as hazardous waste and must be disposed at a Class 1 landfill.

6.1.6 Median, boring location greater than 3 feet from existing pavement

The following table summarizes the predicted waste classification for excavated soil based on the calculated weighted averages of the total lead maximum concentrations for data collected from this portion of the Site. The total and WET lead calculations are summarized below and in Table 6f.

Excavation Depth	Maximum Total Lead (mg/kg)	Predicted WET Lead (mg/l)	Waste Classification
0 to 1 foot	66	3.5	Non-Hazardous
Underlying soil (1 to 6 ft)	*7.1*	*0.4*	*Non-Hazardous*
0 to 6 feet	26	1.4	Non-Hazardous

90% UCL applicable for waste classification
95% UCL applicable for risk assessment

Based on the data in the above table and the pH results, excavated soil from the surface to a depth of 6 feet would be classified as non-hazardous since the 90% UCL-predicted WET lead concentrations are less than the lead STLC of 5.0 mg/l.

6.2 Soil Results

6.2.1 CAM 17 Metals

The CAM 17 metals concentrations reported in soil samples collected along the Eastbound I-580 project corridor were compared to risk-based screening levels (ESLs, SFBRWQCB, May 2008 and CHHSLs, Table 1, January 2005), shown in Tables 3 through 5. Arsenic, barium, cadmium, cobalt, mercury, thallium, and vanadium had reported concentrations greater than their respective screening levels in the soil samples collected at the Site.

Eastbound Shoulder

Arsenic was detected above the laboratory reporting limit at concentrations between 1.0 and 21 mg/kg, exceeding the residential and commercial/industrial land use CHHSLs of 0.07 mg/kg and 0.24 mg/kg, respectively; and exceeding the residential and commercial/industrial land use ESLs of 0.39 mg/kg and 1.6 mg/kg, respectively, for shallow soil. Barium was reported at concentrations between 35 and 830 mg/kg, exceeding the residential land use ESL of 750 mg/kg for shallow soil. Cadmium was reported in the samples at concentrations ranging from 1.0 to 4.5 mg/kg, exceeding the residential land use ESL of 1.7 mg/kg. Thallium was reported at concentrations between 1.1 and 3.5 mg/kg, exceeding the residential land use ESL of 1.3 mg/kg. Vanadium was reported in the soil samples at concentrations between 14 and 120 mg/kg, exceeding the residential land use ESL of 16 mg/kg for shallow soil.

Median

Arsenic was detected above the laboratory reporting limit at concentrations between 1.2 and 31 mg/kg, exceeding the residential and commercial/industrial land use ESLs and CHHSLs. Cobalt was reported in the samples at concentrations between 3.6 and 250 mg/kg, exceeding the residential and commercial/industrial land use ESLs of 40 mg/kg and 80 mg/kg, respectively. Mercury was reported in

the samples at concentrations between 0.10 and 3.0 mg/kg, exceeding the residential land use ESL of 1.3 mg/kg. Thallium was reported in the samples at concentrations between 1.0 and 1.3 mg/kg, the maximum being equal to the residential land use ESL. Vanadium was reported in the soil samples at concentrations between 16 and 200 mg/kg, exceeding the residential land use ESL of 16 mg/kg, and the maximum equaling the commercial/industrial land use ESL for shallow soil.

Metals UCLs

Upper one-sided 95% UCLs for metals reported above their respective risk-based screening criteria were calculated separately for the eastbound shoulder and the median samples. The 95% UCLs were compared with risk-based screening criteria and with published background levels typically present in California soils as presented in *Background Concentrations of Trace and Major Elements in California Soils* (Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March 1996). The bootstrap results are included in Appendix D. The calculated standard bootstrap UCLs, ESLs, CHHSLs, and published background concentrations are summarized in the table below:

95% UCLs and Published Background Concentrations for Metals Reported Above Risk-Based Screening Criteria

Metal	Eastbound Shoulder 95% UCL	Median 95% UCL	Residential Soil Screening Criteria	Commercial/ Industrial Soil Screening Criteria	Direct Exposure Construction Worker ESL[3]	Published Background Mean[4]	Published Background Range[4]
Arsenic[1]	6.235	7.448	0.07	0.24	15	3.5	0.6 to 11.0
Barium[2]	124.2	Not Calculated	750	1,500	2,600	509	133 to 1,400
Cadmium	0.601	Not Calculated	1.7	7.4	39	0.36	0.05 to 1.70
Cobalt[2]	Not Calculated	18.6	40	80	94	14.9	2.7 to 46.9
Mercury[2]	Not Calculated	0.253	1.3	10	58	0.26	0.05 to 0.90
Thallium[2]	0.598	0.573	1.3	16	62	0.56	0.17 to 1.10
Vanadium	47.44	65.04	16	200	770	112	39 to 288

Concentrations reported in milligrams per kilogram (mg/kg)

[1] The soil-screening criteria for arsenic is from the Cal/EPA Office of Environmental Health Hazard Assessment's *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties;* dated January 2005; Table 1, "California Human Health Screening Levels for Soil and Comparison to Other Potential Environmental Concerns."

[2] The soil-screening criteria for zinc is from the SFBRWQCB's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater;* (Revised May 2008); Table A, "Environmental Screening Levels (ESLs) Shallow Soils (≤3m bgs) Groundwater is Current or Potential Source of Drinking Water."

[3] The direct exposure soil-screening levels for construction workers are from the SFBRWQCB's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater;* (Revised May 2008); Table K-3, "Direct Exposure Soil Screening Levels Construction/Trench Worker Exposure Scenario."

[4] Kearney Foundation of Soil Science, March 1996

The 95% UCLs for arsenic exceed the risk-based screening criteria for residential and commercial/industrial land use; however they are within the published background range. The SFBRWQCB *November 2007 Update to Environmental Screening Levels (ESLs) Technical Document* states that ambient background concentrations of arsenic typically exceed risk-based screening levels. In such instances, it may be more appropriate to compare site data to regionally specific established background levels. The 95% UCLs for vanadium exceed the residential land use risk-based screening criteria. However, the vanadium 95% UCLs are below the commercial/industrial screening criteria and the published background mean. The calculated 95% UCLs for barium, cadmium, cobalt, mercury, and thallium are less than their respective risk-based screening criteria, and within published background ranges.

Cal/EPA generally does not require cleanup of metals in soil to concentrations less than background levels. In such instances, it may be more appropriate to compare site data to regionally specific established background levels.

6.2.2 Petroleum Hydrocarbon Compounds

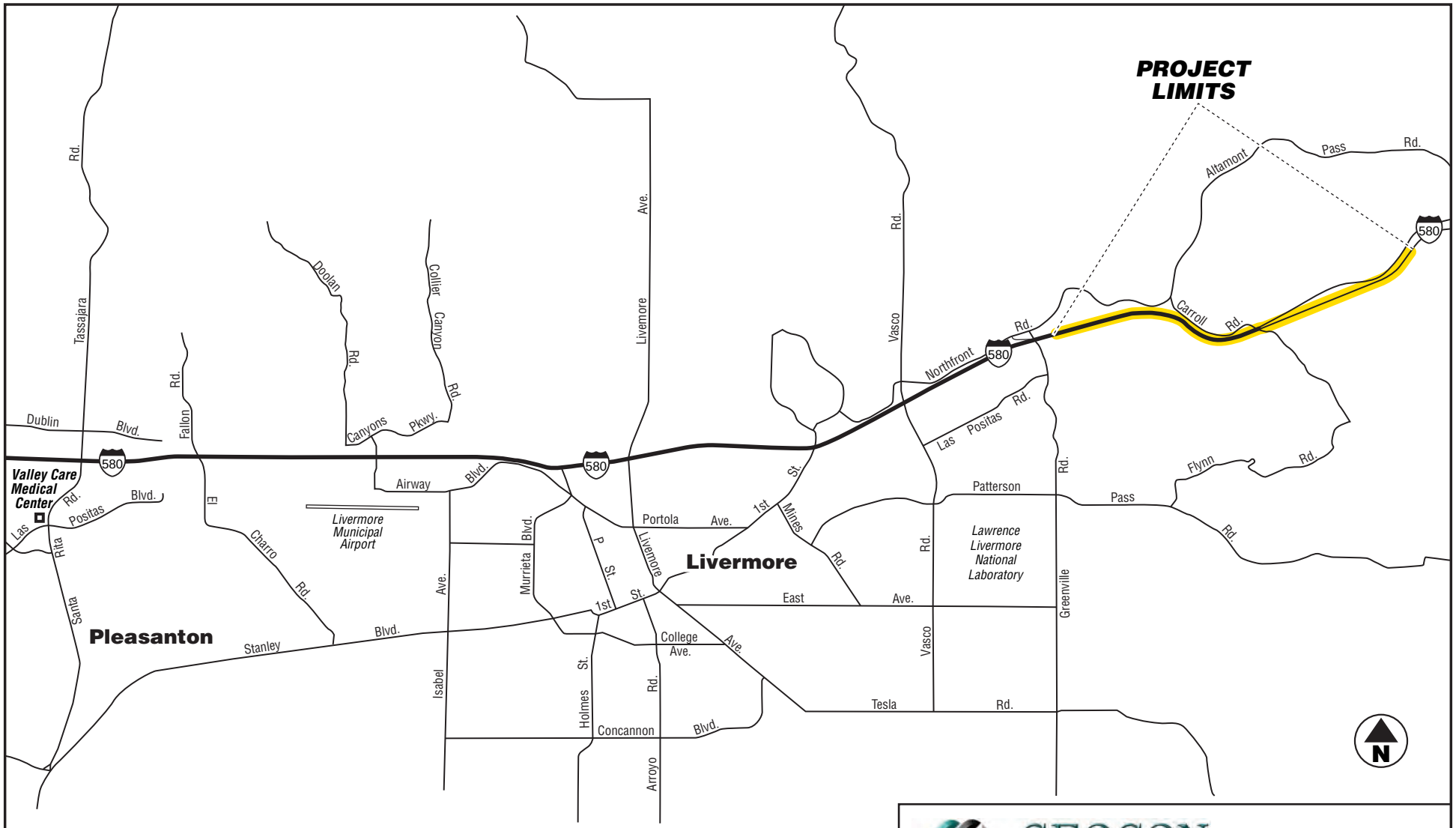
TPHd and TPHmo were not reported at concentrations exceeding their respective residential and commercial/industrial land use ESLs. TPHg, BTEX, and MTBE were not reported above their respective laboratory reporting limits.

6.3 Grab-Groundwater

One grab-groundwater sample was collected at boring location X2-RW2 and no analytes were detected above their laboratory reporting limits, with the exception of TPHd. TPHd was reported at a concentration of 0.068 mg/l, below the ESL of 0.10 mg/l for Groundwater that is a Current or Potential Drinking Water Source (SFBRWQCB Table A, see Table 3).

6.4 Worker Protection

Per Caltrans' requirements, the contractor(s) should prepare a project-specific health and safety plan to prevent or minimize worker exposure to identified site contaminants. The plan should include protocols for environmental and personnel monitoring, requirements for personal protective equipment, and other health and safety protocols and procedures for the handling of soil and groundwater.



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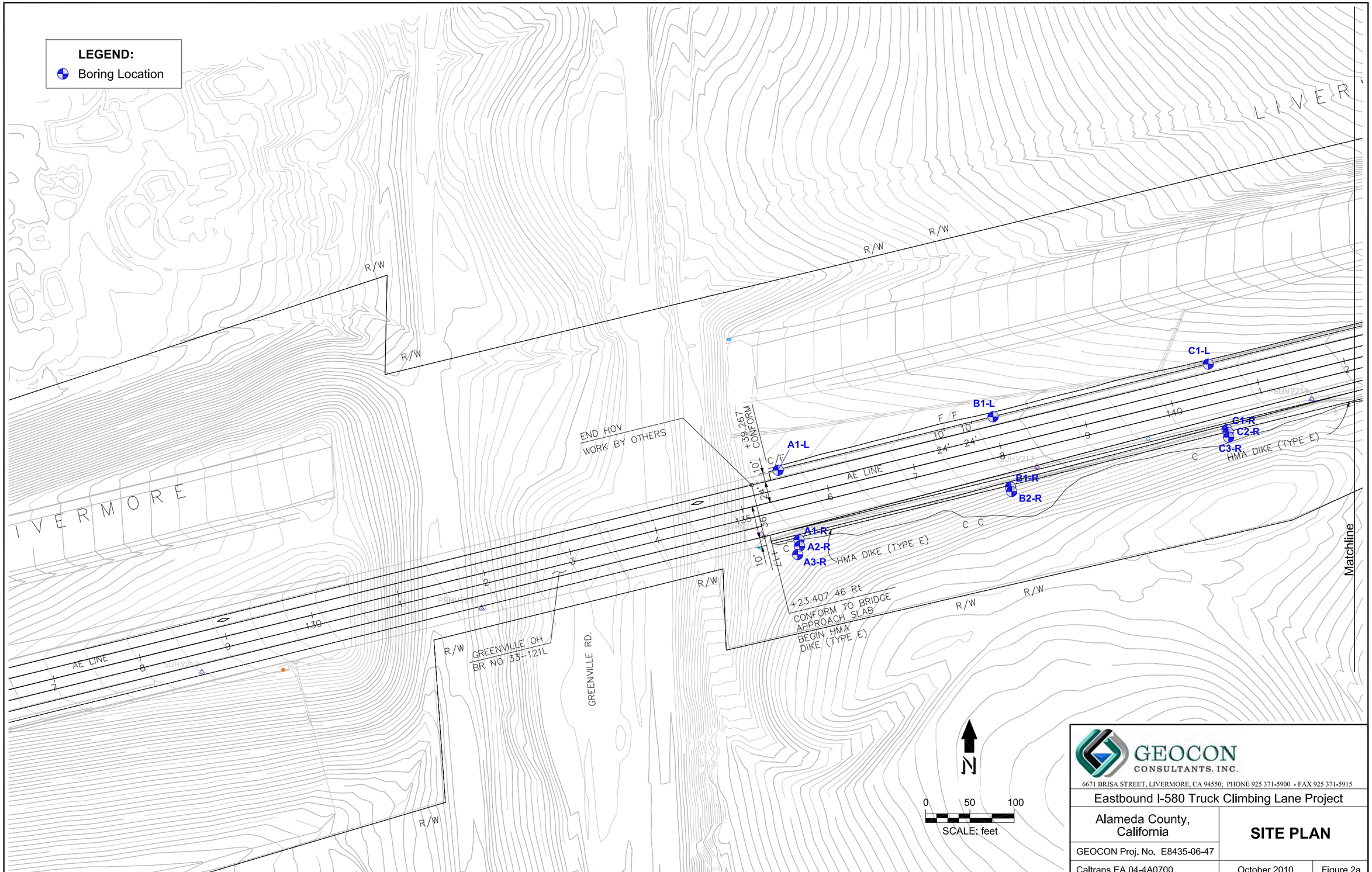
Eastbound I-580 Truck Climbing Lane

Alameda County, California

VICINITY MAP

GEOCON Proj. No. E8435-06-47

Task Order No. 47, EA 04-4A0700 | October 2010 | Figure 1



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Eastbound I-580 Truck Climbing Lane Project

Alameda County, California

SITE PLAN

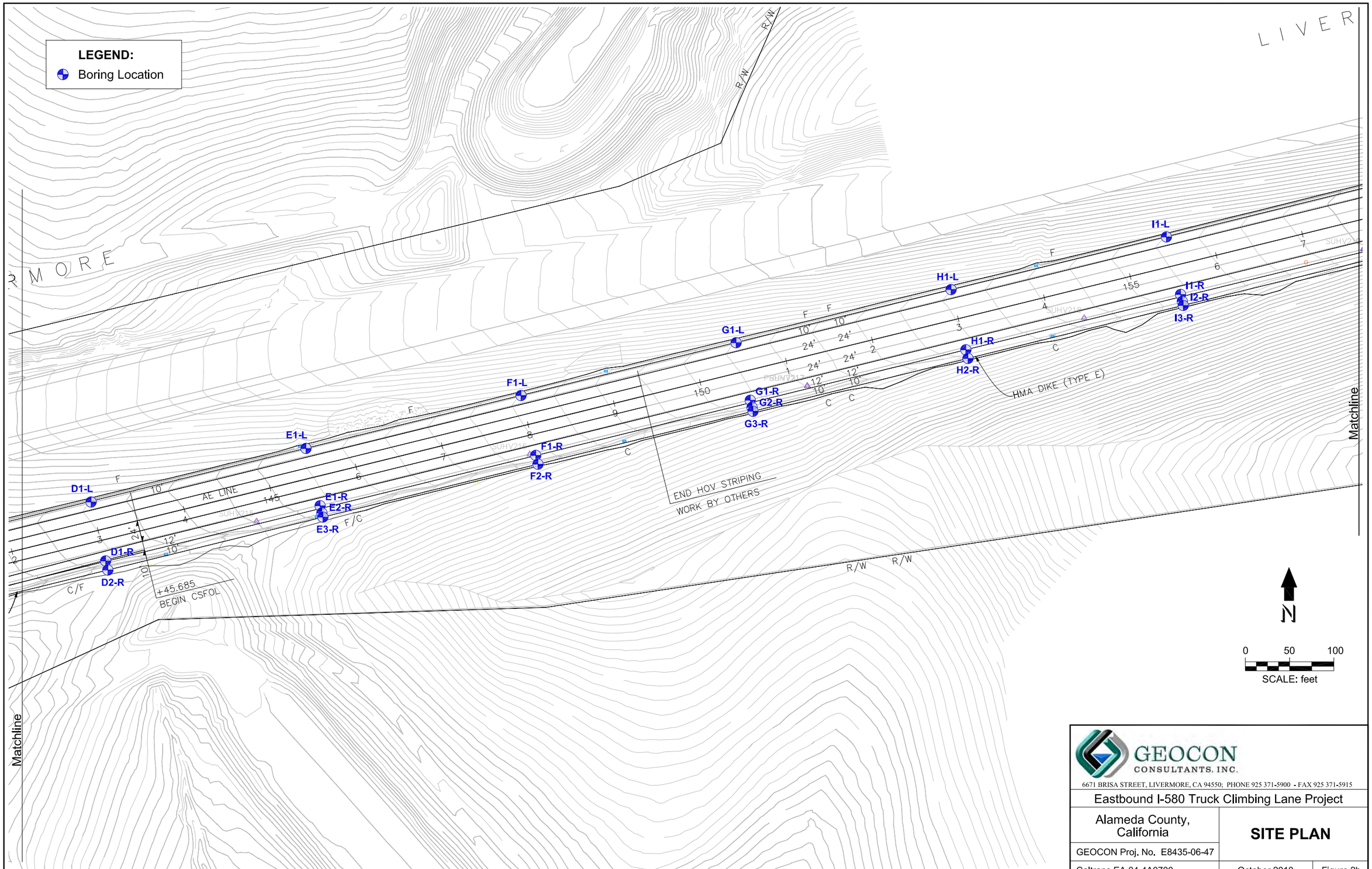
GEOCON Proj. No. E8435-06-47

Caltrans EA 04-4A0700

October 2010

Figure 2a

SITE0810



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Alameda County, California	**SITE PLAN**	
GEOCON Proj. No. E8435-06-47		
Caltrans EA 04-4A0700	October 2010	Figure 2b

SITE0810

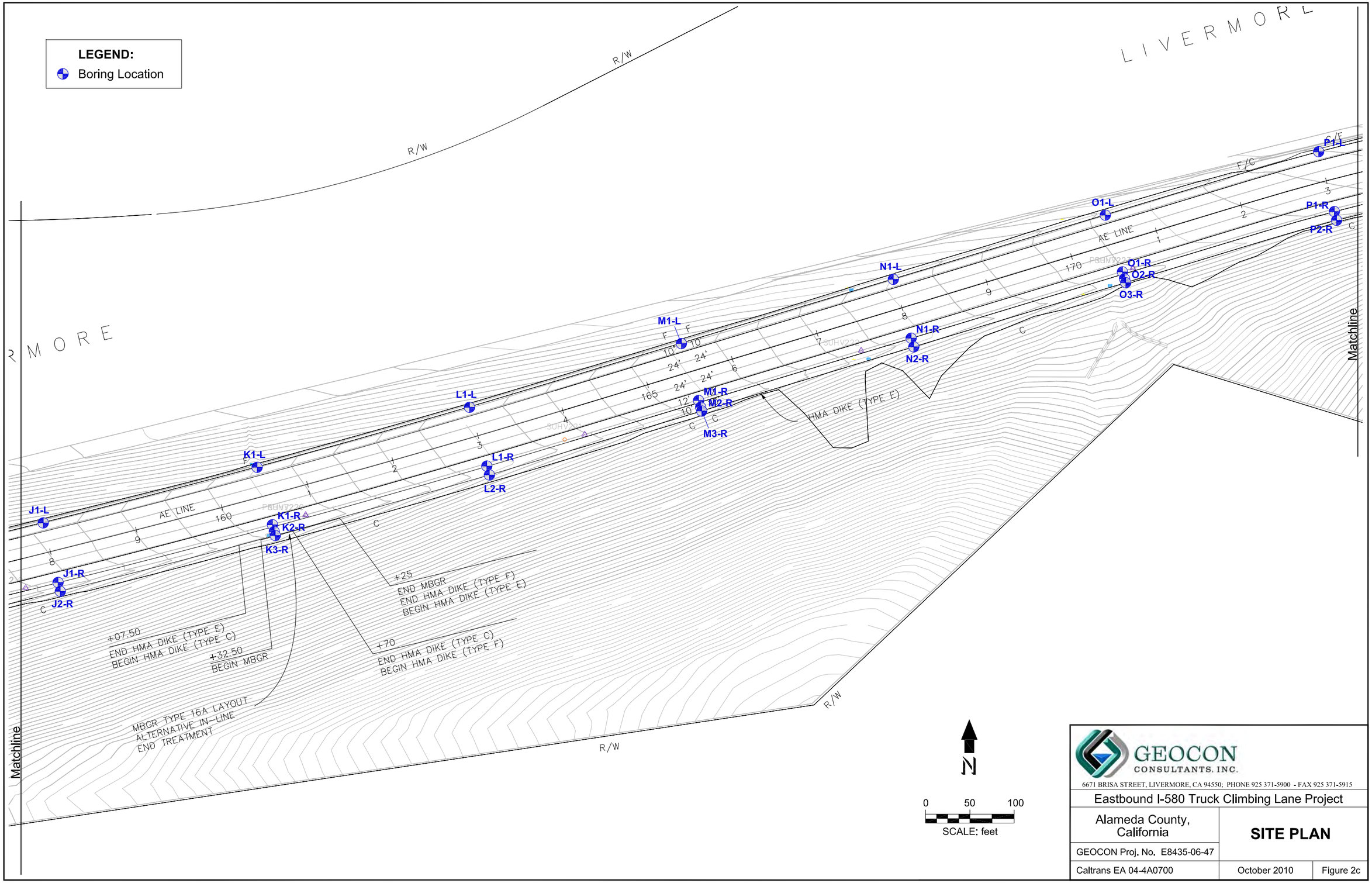

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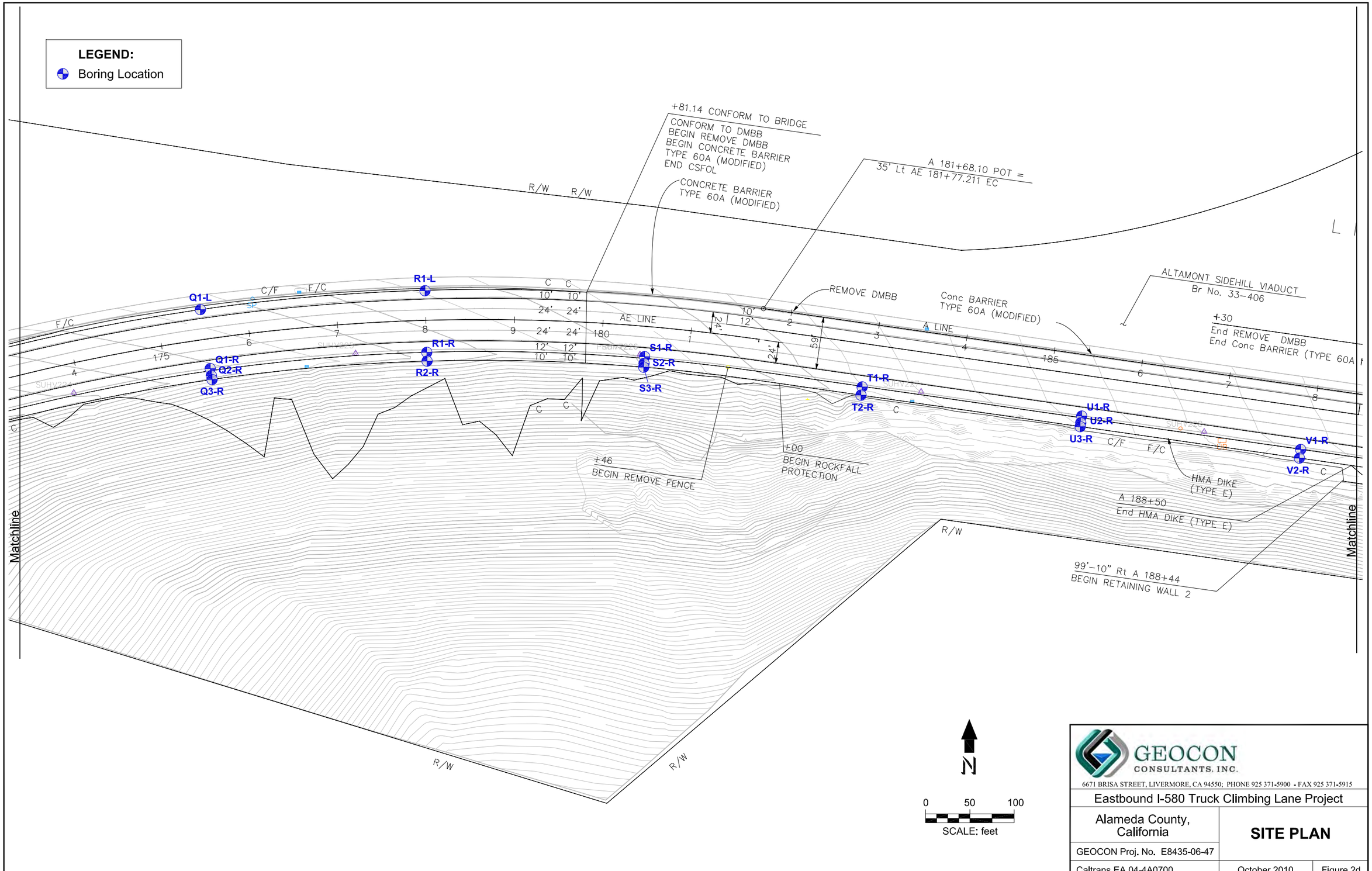
Figure 2c

SITE0810



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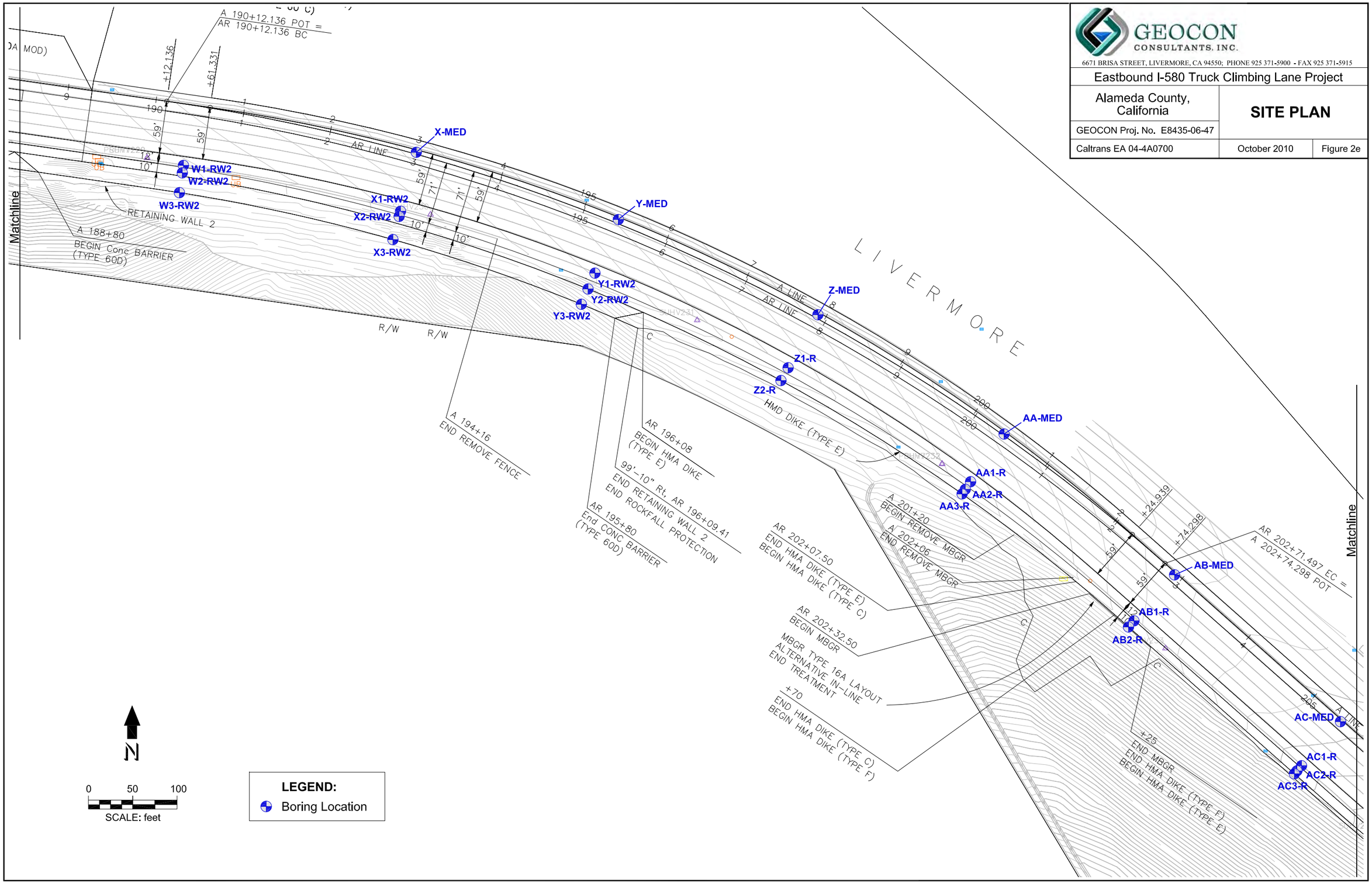
SITE0810



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Eastbound I-580 Truck Climbing Lane Project		
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Caltrans EA 04-4A0700	October 2010	Figure 2e

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Eastbound I-580 Truck Climbing Lane Project

Alameda County, California

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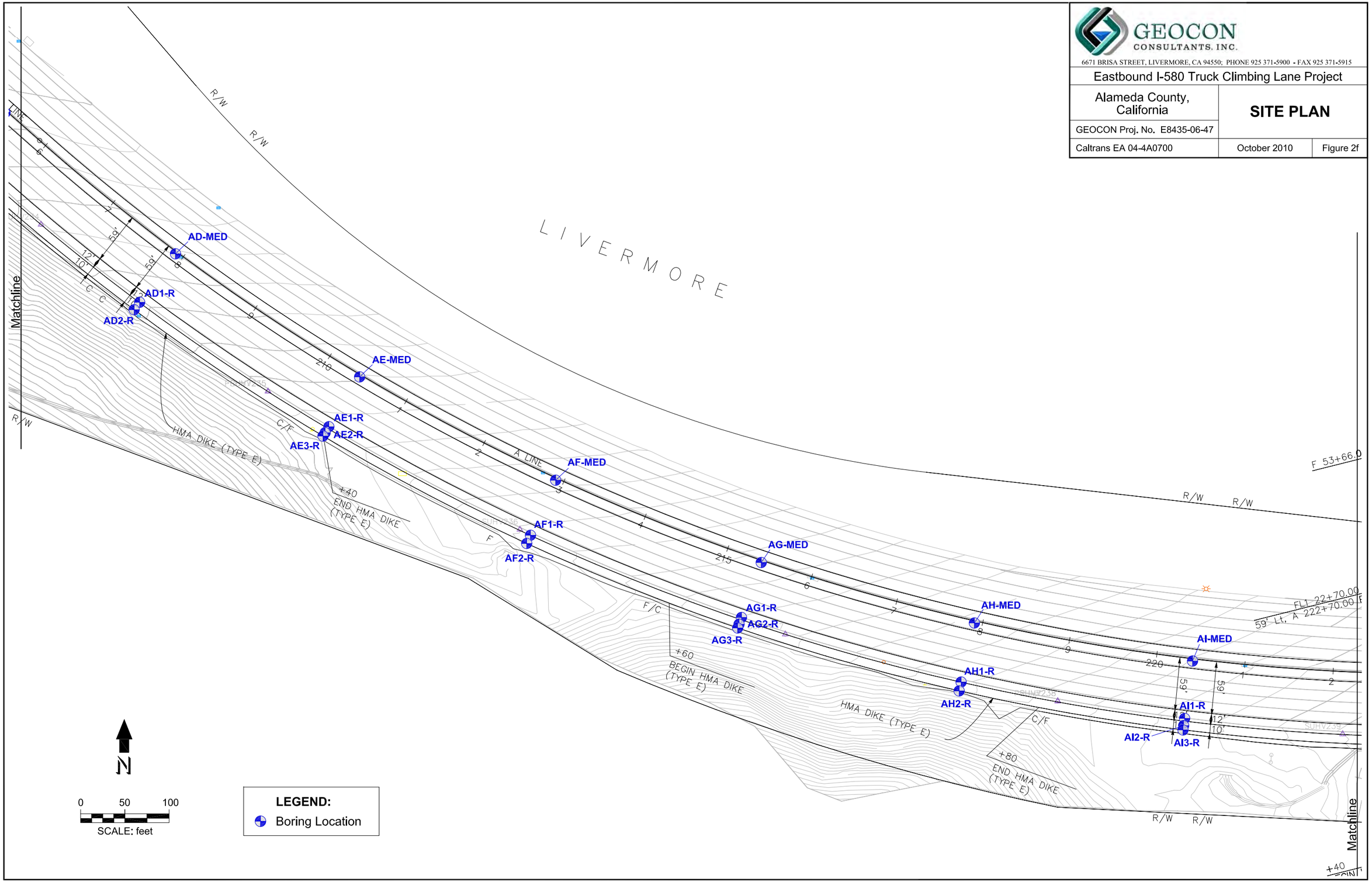
Caltrans EA 04-4A0700 | October 2010 | Figure 2f



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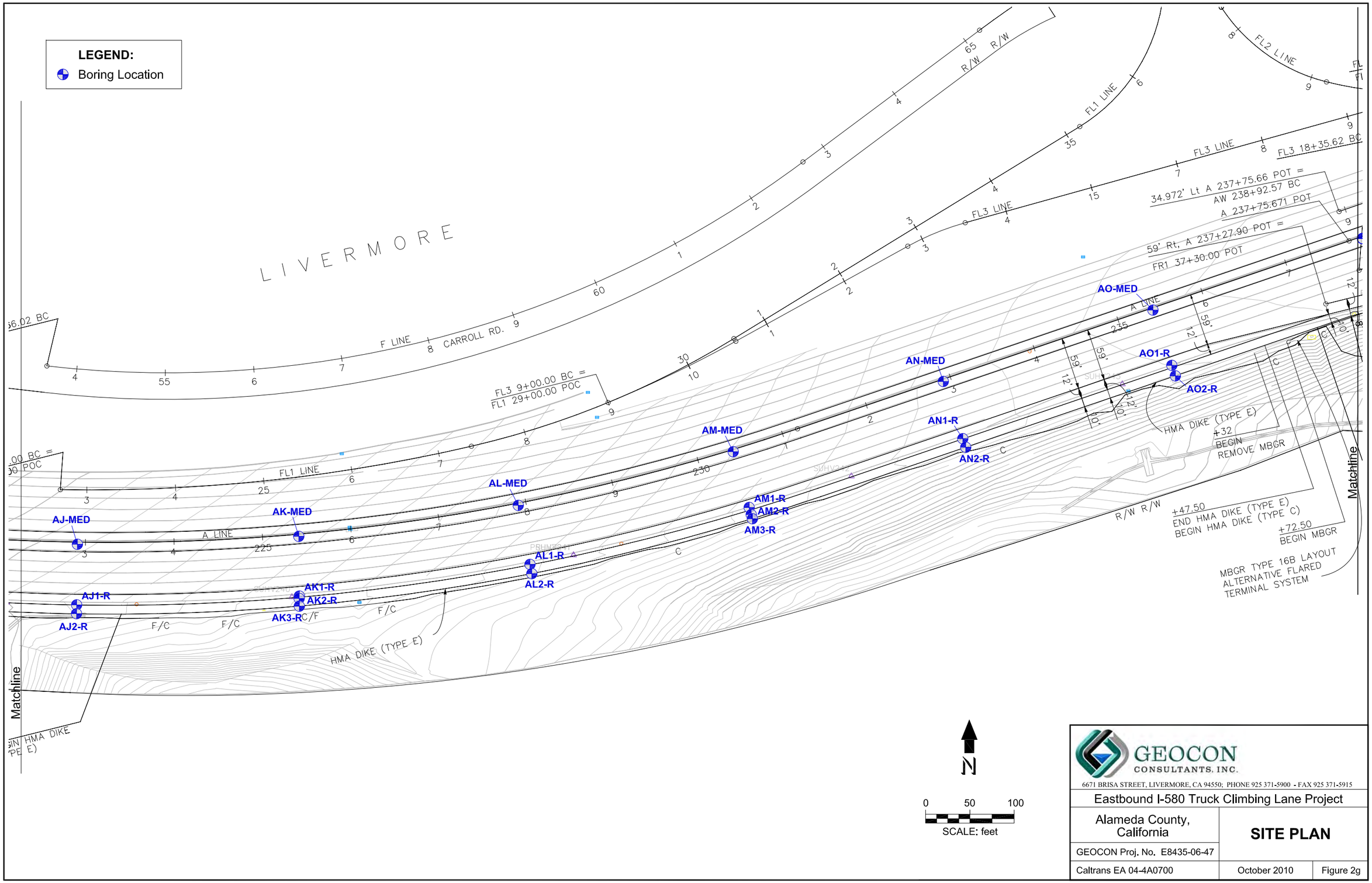

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Eastbound I-580 Truck Climbing Lane Project

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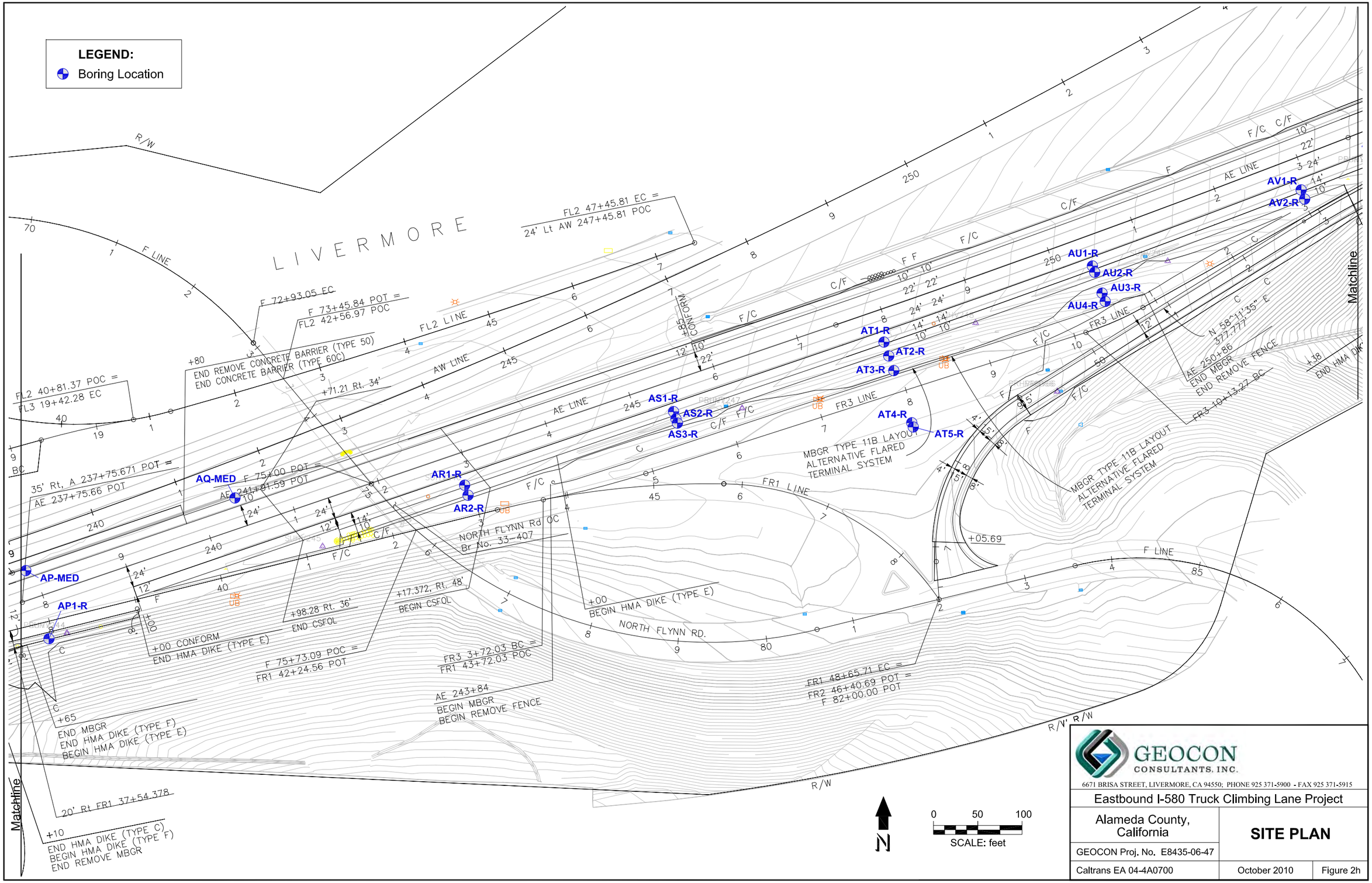
Figure 2g

SITE0810



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Eastbound I-580 Truck Climbing Lane Project		
Alameda County, California	SITE PLAN	
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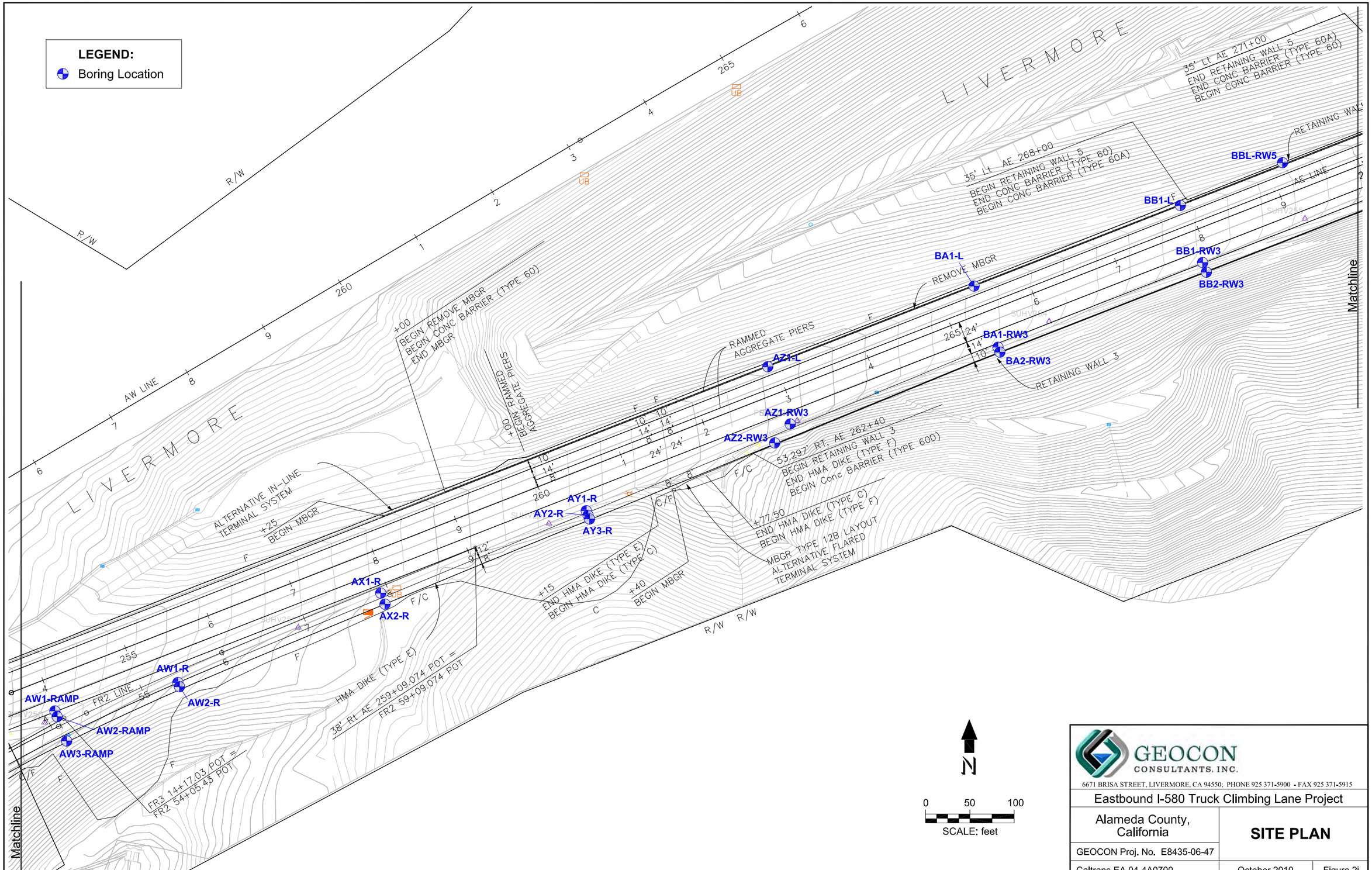
Caltrans EA 04-4A0700	October 2010	Figure 2h

SITE0810



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Eastbound I-580 Truck Climbing Lane Project

Alameda County, California

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GEOCON Proj. No. E8435-06-47

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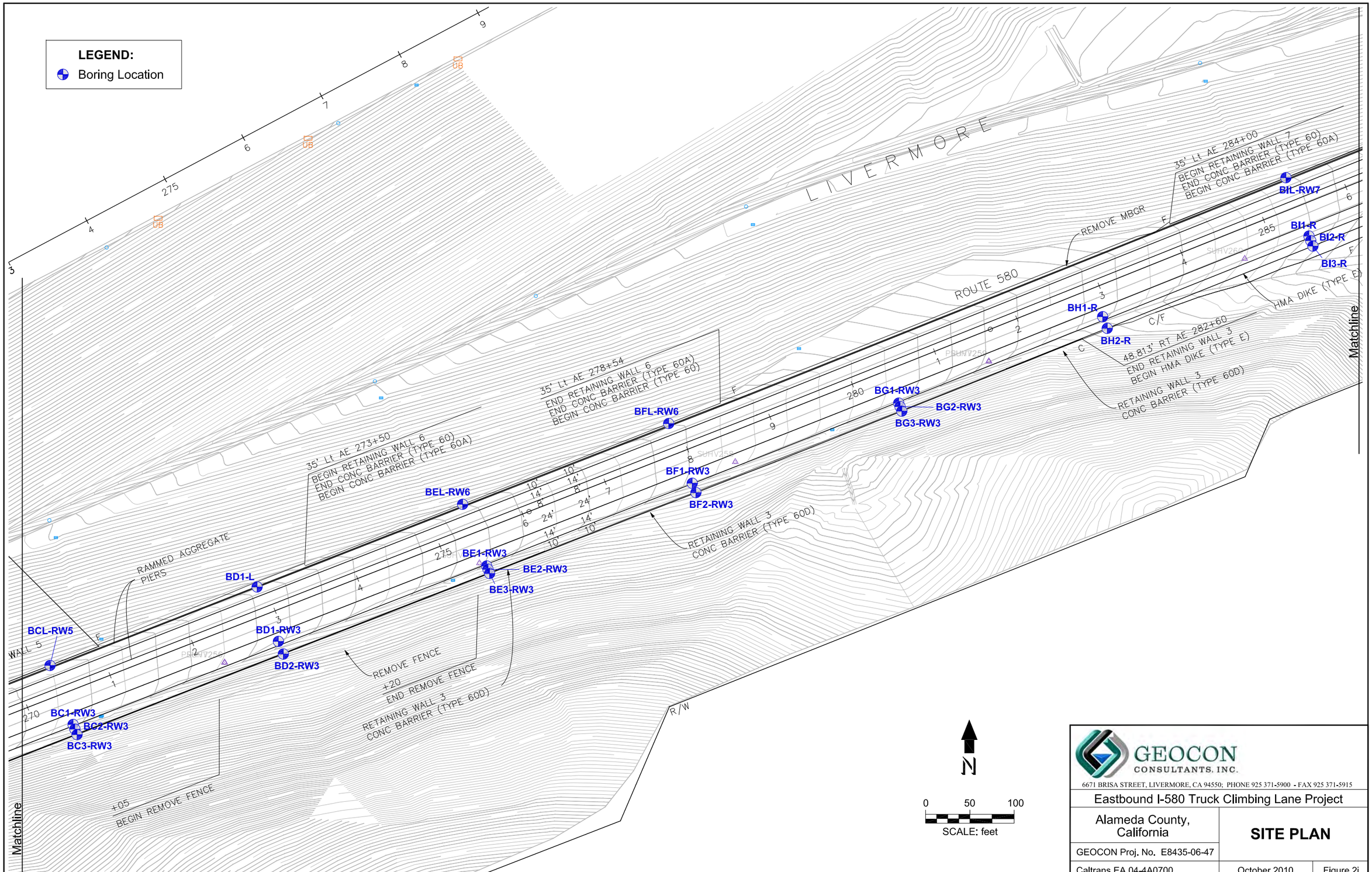
SITE0810



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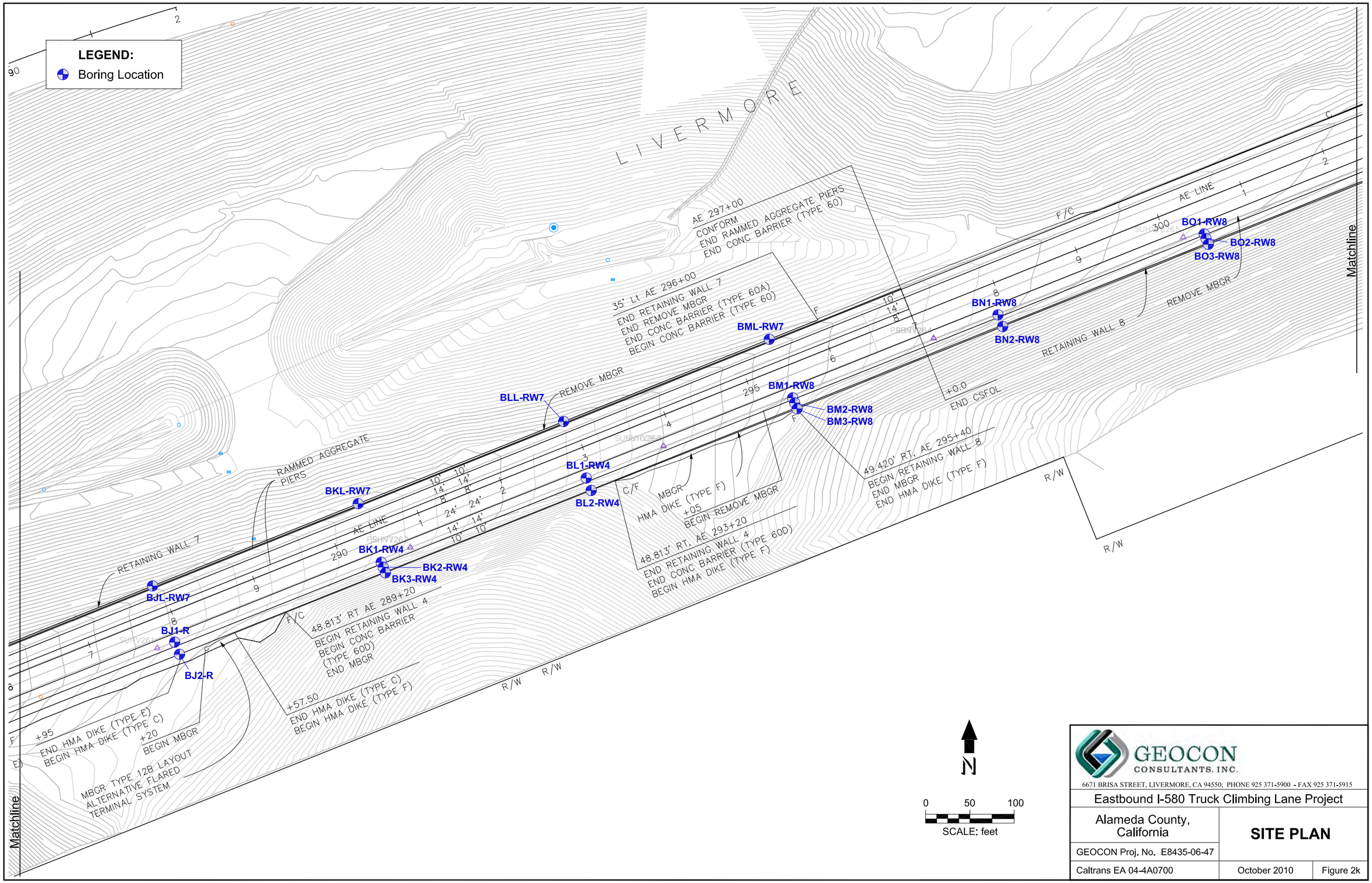
Eastbound I-580 Truck Climbing Lane Project		
Alameda County, California	SITE PLAN	
GEOCON Proj. No. E8435-06-47		
Caltrans EA 04-4A0700	October 2010	Figure 2j

SITE0810



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Eastbound I-580 Truck Climbing Lane Project

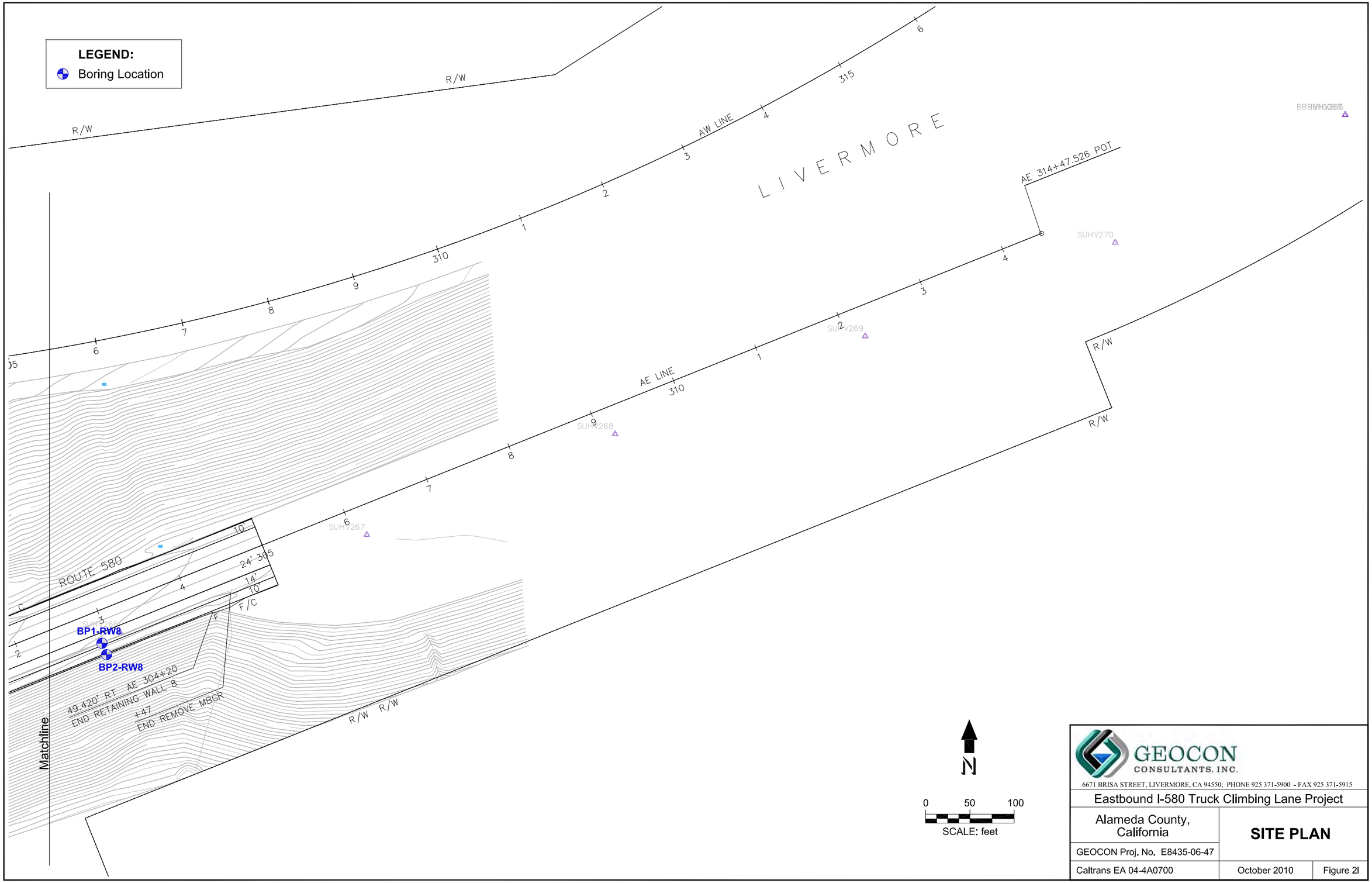
Alameda County, California

SITE PLAN

GEOCON Proj. No. E8435-06-47

Caltrans EA 04-4A0700 | October 2010 | Figure 2k

SITE0810



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Eastbound I-580 Truck Climbing Lane Project

Alameda County, California

SITE PLAN

GEOCON Proj. No. E8435-06-47

Caltrans EA 04-4A0700

October 2010

Figure 2l

SITE0810

TABLE 1
Boring Coordinates
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Boring	Northing	Easting
A1-R*	2,086,352.254	6,215,962.535
A2-R*	2,086,345.123	6,215,963.123
A3-R*	2,086,335.659	6,215,961.022
A1-L	2,086,430.910	6,215,938.980
B1-R*	2,086,411.922	6,216,201.334
B2-R*	2,086,406.848	6,216,202.561
B1-L	2,086,491.210	6,216,181.600
C1-R*	2,086,476.858	6,216,445.742
C2-R*	2,086,473.652	6,216,446.969
C3-R*	2,086,468.154	6,216,447.527
C1-L	2,086,550.710	6,216,424.490
D1-R	2,086,543.500	6,216,683.700
D2-R	2,086,533.250	6,216,686.230
D1-L	2,086,610.050	6,216,667.330
E1-R	2,086,605.780	6,216,925.830
E2-R	2,086,597.680	6,216,927.830
E3-R	2,086,592.980	6,216,928.980
E1-L	2,086,670.510	6,216,909.910
F1-R	2,086,662.670	6,217,169.290
F2-R	2,086,652.720	6,217,171.740
F1-L	2,086,730.290	6,217,152.650
G1-R	2,086,724.890	6,217,411.440
G2-R	2,086,716.970	6,217,413.390
G3-R	2,086,712.450	6,217,414.500
G1-L	2,086,789.890	6,217,395.450
H1-R	2,086,781.870	6,217,654.790
H2-R	2,086,772.170	6,217,657.180
H1-L	2,086,849.860	6,217,638.100
I1-R	2,086,844.340	6,217,897.170
I2-R	2,086,836.450	6,217,899.110
I3-R	2,086,831.970	6,217,900.210
I1-L	2,086,909.340	6,217,881.170
J1-R	2,086,901.790	6,218,140.330
J2-R	2,086,891.720	6,218,142.830
J1-L	2,086,968.970	6,218,123.610
K1-R	2,086,966.870	6,218,382.320
K2-R	2,086,959.160	6,218,384.370
K3-R	2,086,954.820	6,218,385.530
K1-L	2,087,031.680	6,218,365.030
L1-R	2,087,033.060	6,218,624.290
L2-R	2,087,023.060	6,218,627.220
L1-L	2,087,099.400	6,218,604.810
M1-R	2,087,107.110	6,218,863.380
M2-R	2,087,099.470	6,218,865.690
M3-R	2,087,095.180	6,218,866.990
M1-L	2,087,171.290	6,218,843.960
N1-R	2,087,177.370	6,219,103.310
N2-R	2,087,167.580	6,219,106.280
N1-L	2,087,243.810	6,219,083.210
O1-R	2,087,252.170	6,219,341.870
O2-R	2,087,244.410	6,219,344.220
O3-R	2,087,239.980	6,219,345.560
O1-L	2,087,316.220	6,219,322.500
P1-R	2,087,320.220	6,219,581.050
P2-R	2,087,310.410	6,219,583.610
P1-L	2,087,387.800	6,219,563.350
Q1-R	2,087,371.330	6,219,822.400
Q2-R	2,087,363.440	6,219,823.710
Q3-R	2,087,358.990	6,219,824.450
AI2-R	2,085,927.020	6,223,938.520

Boring	Northing	Easting
Q1-L	2,087,437.930	6,219,811.290
R1-R	2,087,389.660	6,220,066.870
R2-R	2,087,379.780	6,220,067.160
R1-L	2,087,459.240	6,220,064.860
S1-R	2,087,384.810	6,220,312.750
S2-R	2,087,377.130	6,220,312.090
S3-R	2,087,372.930	6,220,311.740
S1-L	*Not Advanced*	
T1-R	2,087,350.630	6,220,558.310
T2-R	2,087,341.360	6,220,556.970
U1-R	2,087,317.740	6,220,806.150
U2-R	2,087,310.050	6,220,805.040
U3-R	2,087,305.830	6,220,804.440
V1-R	2,087,280.020	6,221,053.290
V2-R	2,087,270.300	6,221,051.900
W1-RW2	2,087,246.660	6,221,301.150
W2-RW2	2,087,238.260	6,221,299.860
W3-RW2	2,087,215.880	6,221,296.650
W-MED	*Not Advanced*	
X1-RW2	2,087,194.960	6,221,546.230
X2-RW2	2,087,189.160	6,221,544.670
X3-RW2	2,087,162.970	6,221,537.650
X-MED	2,087,261.450	6,221,564.050
Y1-RW2	2,087,125.120	6,221,765.690
Y2-RW2	2,087,107.250	6,221,757.890
Y3-RW2	2,087,089.990	6,221,750.350
Y-MED	2,087,185.580	6,221,792.100
Z1-R	2,087,018.310	6,221,983.760
Z2-R	2,087,003.900	6,221,975.660
Z-MED	2,087,078.190	6,222,017.400
AA1-R	2,086,889.740	6,222,189.730
AA2-R	2,086,881.200	6,222,183.800
AA3-R	2,086,876.000	6,222,180.160
AA-MED	2,086,943.570	6,222,227.560
AB1-R	2,086,732.790	6,222,374.140
AB2-R	2,086,725.870	6,222,368.020
AB-MED	2,086,784.660	6,222,420.030
AC1-R	2,086,569.300	6,222,563.310
AC2-R	2,086,563.450	6,222,558.130
AC3-R	*Not Advanced*	
AC-MED	2,086,619.010	6,222,607.270
AD1-R	2,086,404.910	6,222,759.520
AD2-R	2,086,396.490	6,222,753.300
AD-MED	2,086,459.620	6,222,800.040
AE1-R	2,086,264.410	6,222,973.180
AE2-R	2,086,257.640	6,222,969.000
AE3-R	2,086,253.880	6,222,966.640
AE-MED	2,086,320.670	6,223,007.980
AF1-R	2,086,141.890	6,223,200.910
AF2-R	2,086,132.640	6,223,196.670
AF-MED	2,086,204.050	6,223,229.330
AG1-R	2,086,049.090	6,223,439.180
AG2-R	2,086,041.510	6,223,436.450
AG3-R	2,086,037.230	6,223,434.910
AG-MED	2,086,111.150	6,223,461.530
AH1-R	2,085,976.180	6,223,687.260
AH2-R	2,085,966.190	6,223,685.020
AH-MED	2,086,042.880	6,223,702.220
AI1-R	2,085,935.130	6,223,939.650
AZ2-RW3*	2,087,098.686	6,228,003.438

TABLE 1
Boring Coordinates
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Boring	Northing	Easting
AI3-R	2,085,922.120	6,223,937.850
AI-MED	2,085,999.920	6,223,948.600
AJ1-R	2,085,914.540	6,224,197.370
AJ2-R	2,085,904.600	6,224,197.250
AJ-MED	2,085,982.970	6,224,198.210
AK1-R*	2,085,924.522	6,224,448.747
AK2-R*	2,085,921.796	6,224,448.557
AK3-R*	2,085,913.102	6,224,448.752
AK-MED	2,085,991.910	6,224,448.140
AL1-R	2,085,960.250	6,224,709.100
AL2-R	2,085,949.780	6,224,711.180
AL-MED	2,086,026.900	6,224,695.860
AM1-R	2,086,024.530	6,224,956.550
AM2-R	2,086,016.500	6,224,958.850
AM3-R	2,086,011.800	6,224,960.200
AM-MED	2,086,087.480	6,224,938.500
AN1-R	2,086,102.240	6,225,197.700
AN2-R	2,086,092.480	6,225,201.030
AN-MED	2,086,166.780	6,225,175.700
AO1-R	2,086,184.990	6,225,433.620
AO2-R	2,086,173.120	6,225,437.660
AO-MED	2,086,247.420	6,225,412.330
AP1-R	2,086,251.330	6,225,675.140
AP-MED	2,086,328.140	6,225,648.960
AQ1-R	*Not Advanced*	
AQ-MED	2,086,410.130	6,225,885.120
AR1-R	2,086,424.520	6,226,144.360
AR2-R	2,086,413.170	6,226,148.230
AS1-R	2,086,507.520	6,226,380.190
AS2-R	2,086,499.410	6,226,382.910
AS3-R	2,086,494.620	6,226,384.580
AT1-R	2,086,586.020	6,226,617.700
AT2-R	2,086,570.380	6,226,623.090
AT3-R	2,086,553.800	6,226,628.820
AT4-R	2,086,494.950	6,226,649.120
AT5-R	2,086,490.220	6,226,650.750
AU1-R	2,086,671.870	6,226,853.040
AU2-R	2,086,664.820	6,226,855.580
AU3-R	2,086,641.260	6,226,863.950
AU4-R	2,086,631.900	6,226,867.470
AV1-R	2,086,757.710	6,227,088.630
AV2-R	2,086,747.360	6,227,092.630
AW1-RAMP	2,086,796.190	6,227,190.840
AW2-RAMP	2,086,789.710	6,227,193.450
AW3-RAMP	2,086,762.340	6,227,204.140
AW1-R	2,086,828.260	6,227,329.650
AW2-R	2,086,823.600	6,227,331.470
AX1-R	2,086,929.120	6,227,558.640
AX2-R	2,086,916.720	6,227,563.480
AY1-R	2,087,022.170	6,227,790.690
AY2-R	2,087,017.040	6,227,792.690
AY3-R	2,087,012.850	6,227,794.330
AZ1-RW3	2,087,120.020	6,228,020.860
AZ1-L	2,087,184.700	6,227,995.600
BA1-RW3	2,087,206.640	6,228,255.420
BA2-RW3	2,087,201.130	6,228,257.570
BA1-L	2,087,275.670	6,228,228.460
BB1-RW3	2,087,302.240	6,228,486.470
BB2-RW3	2,087,291.380	6,228,490.720
BB1-L	2,087,366.690	6,228,461.300
BBL-RW5	2,087,414.920	6,228,576.660
BC1-RW3	2,087,393.770	6,228,719.120
BC2-RW3	2,087,388.550	6,228,721.160
BC3-RW3	2,087,382.370	6,228,723.570
BCL-RW5	2,087,460.410	6,228,693.090
BD1-RW3	2,087,487.580	6,228,950.870
BD2-RW3	2,087,473.300	6,228,956.450
BD1-L	2,087,549.050	6,228,926.860
BE1-RW3	2,087,572.710	6,229,186.010
BE2-RW3	2,087,568.960	6,229,187.480
BE3-RW3	2,087,564.290	6,229,189.300
BEL-RW6	2,087,642.350	6,229,158.810
BF1-RW3	2,087,666.110	6,229,418.030
BF2-RW3	2,087,655.550	6,229,422.190
BFL-RW6	2,087,733.540	6,229,391.480
BG1-RW3	2,087,756.570	6,229,651.100
BG2-RW3	*Not Advanced*	
BG3-RW3	2,087,747.550	6,229,654.650
BH1-R	2,087,854.140	6,229,881.360
BH2-R	2,087,841.010	6,229,886.530
BI1-R	2,087,945.150	6,230,114.210
BI2-R	2,087,939.970	6,230,116.250
BI3-R	2,087,933.840	6,230,118.660
BIL-RW7	2,088,011.070	6,230,088.250
BJ1-R	2,088,040.450	6,230,345.370
BJ2-R	2,088,026.680	6,230,350.790
BJL-RW7	2,088,103.910	6,230,320.380
BK1-RW4	2,088,130.590	6,230,578.550
BK2-RW4	2,088,125.140	6,230,580.700
BK3-RW4	2,088,118.760	6,230,583.210
BKL-RW7	2,088,196.740	6,230,552.510
BL1-RW4	2,088,225.730	6,230,809.950
BL2-RW4	2,088,211.690	6,230,815.570
BLL-RW7	2,088,289.530	6,230,784.430
BM1-RW8	2,088,316.270	6,231,042.990
BM2-RW8	2,088,310.570	6,231,045.270
BM3-RW8	2,088,303.940	6,231,047.920
BML-RW7	2,088,382.330	6,231,016.570
BN1-RW8	2,088,409.960	6,231,274.770
BN2-RW8	2,088,396.780	6,231,280.050
BO1-RW8	2,088,501.300	6,231,507.490
BO2-RW8	2,088,496.180	6,231,509.540
BO3-RW8	2,088,489.610	6,231,512.170
BP1-RW8	2,088,595.340	6,231,739.140
BP2-RW8	2,088,582.440	6,231,744.300

Notes: *Coordinates are shown in feet (NAD 83, Zone 3)*

* = Boring location adjusted in the field due to accessibility

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
Eastbound Shoulder Borings						
A1-R 0.5	0.5	250	12	<0.25	---	---
A1-R 1	1	83	2.5	---	---	8.3
A1-R 2	2	34	---	---	---	---
A1-R 3	3	7.4	---	---	---	---
A1-R 4	4	6.0	---	---	---	---
A1-R 6	6	6.9	---	---	---	---
A2-R 0.5	0.5	190	16	<0.25	---	---
A2-R 1	1	220	14	<0.25	---	---
A2-R 2	2	110	5.6	<0.25	---	---
A3-R 0.5	0.5	210	13	<0.25	---	---
A3-R 1	1	120	7.1	<0.25	---	---
A3-R 2	2	81	3.5	---	---	---
A3-R 3	3	110	6.9	<0.25	---	8.5
A3-R 4	4	33	---	---	---	---
B1-R 0.5	0.5	6.5	---	---	---	---
B1-R 1	1	6.5	---	---	---	---
B1-R 2	2	6.7	---	---	---	---
B1-R 3	3	6.7	---	---	---	---
B1-R 4	4	8.2	---	---	---	---
B1-R 6	6	5.4	---	---	---	---
B2-R 0.5	0.5	360	17	<0.25	---	---
B2-R 1	1	51	2.3	---	---	---
B2-R 2	2	13	---	---	---	---
C1-R 0.5	0.5	250	16	<0.25	---	8.1
C1-R 1	1	26	---	---	---	---
C1-R 2	2	8.3	---	---	---	---
C1-R 3	3	8.7	---	---	---	---
C1-R 4	4	12	---	---	---	---
C1-R 6	6	9.9	---	---	---	---
C2-R 0.5	0.5	10	---	---	---	---
C2-R 1	1	9.2	---	---	---	---
C2-R 2	2	7.5	---	---	---	---
C2-R 3	3	9.2	---	---	---	---
C2-R 4	4	16	---	---	---	---
C2-R-6	6	65	0.29	---	---	8.6
C3-R 0.5	0.5	130	2.3	---	---	---
C3-R 1	1	18	---	---	---	---
C3-R 2	2	8.7	---	---	---	---
C3-R 3	3	9.0	---	---	---	---
C3-R 4	4	9.1	---	---	---	---
D1-R 0.5	0.5	17	---	---	---	---
D1-R 1	1	17	---	---	---	---
D1-R 2	2	13	---	---	---	---
D1-R 3	3	12	---	---	---	---
D1-R 4	4	8.4	---	---	---	---
D1-R 6	6	11	---	---	---	9.4

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
D2-R 0.5	0.5	57	1.3	---	---	---
D2-R 1	1	19	---	---	---	---
D2-R 2	2	11	---	---	---	---
D2-R 3	3	8.3	---	---	---	---
D2-R 4	4	38	---	---	---	---
D2-R 6	6	11	---	---	---	---
E1-R 0.5	0.5	110	10	<0.25	---	---
E1-R 1	1	19	---	---	---	---
E1-R 2	2	6.8	---	---	---	---
E1-R 3	3	<5.0	---	---	---	---
E1-R 4	4	<5.0	---	---	---	8.9
E1-R 6	6	12	---	---	---	---
E2-R 0.5	0.5	25	---	---	---	---
E2-R 1	1	38	---	---	---	---
E2-R 2	2	27	---	---	---	---
E2-R 3	3	78	0.34	---	---	---
E2-R 4	4	14	---	---	---	---
E2-R 6	6	15	---	---	---	---
E3-R 0.5	0.5	7.8	---	---	---	---
E3-R 1	1	15	---	---	---	---
E3-R 2	2	13	---	---	---	---
E3-R 3	3	52	2.0	---	---	8.0
E3-R 4	4	64	2.5	---	---	---
E3-R 6	6	52	3.8	---	---	---
F1-R 0.5	0.5	6.1	---	---	---	---
F1-R 1	1	<5.0	---	---	---	---
F1-R 2	2	12	---	---	---	---
F1-R 3	3	20	---	---	---	---
F1-R 4	4	15	---	---	---	---
F1-R 6	6	16	---	---	---	---
F2-R 0.5	0.5	36	---	---	---	---
F2-R 1	1	23	---	---	---	---
F2-R 2	2	17	---	---	---	8.0
F2-R 3	3	16	---	---	---	---
F2-R 4	4	<5.0	---	---	---	12
F2-R 6	6	13	---	---	---	---
G1-R 0.5	0.5	9.0	---	---	---	---
G1-R 1	1	<5.0	---	---	---	---
G1-R 2	2	7.7	---	---	---	---
G1-R 3	3	11	---	---	---	---
G1-R 4	4	14	---	---	---	---
G1-R 6	6	14	---	---	---	---
G2-R 0.5	0.5	320	1.3	---	---	---
G2-R 1	1	14	---	---	---	---
G2-R 2	2	42	---	---	---	---
G2-R 3	3	13	---	---	---	8.2
G2-R 4	4	14	---	---	---	---
G2-R 6	6	42	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
G3-R 0.5	0.5	20	---	---	---	---
G3-R 1	1	16	---	---	---	---
G3-R 2	2	22	---	---	---	---
G3-R 3	3	28	---	---	---	---
G3-R 4	4	11	---	---	---	---
H1-R 0.5	0.5	400	16	<0.25	---	8.4
H1-R 1	1	<5.0	---	---	---	---
H2-R 0.5	0.5	160	22	<0.25	---	---
H2-R 1	1	17	---	---	---	---
H2-R 2	2	25	---	---	---	---
H2-R 3	3	800	35	---	1.3	---
H2-R 4	4	19	---	---	---	---
H2-R 6	6	<5.0	---	---	---	---
I1-R 0.5	0.5	110	7.7	<0.25	---	---
I1-R 1	1	13	---	---	---	---
I1-R 2	2	7.0	---	---	---	---
I1-R 3	3	8.5	---	---	---	8.1
I1-R 4	4	13	---	---	---	---
I1-R 6	6	48	---	---	---	---
I2-R 0.5	0.5	13	---	---	---	---
I2-R 1	1	17	---	---	---	---
I2-R 2	2	9.0	---	---	---	---
I2-R 3	3	29	---	---	---	---
I2-R 4	4	13	---	---	---	---
I2-R 6	6	55	0.53	---	---	---
I3-R 0.5	0.5	16	---	---	---	---
I3-R 1	1	22	---	---	---	---
I3-R 2	2	20	---	---	---	7.6
I3-R 3	3	18	---	---	---	---
I3-R 4	4	17	---	---	---	---
I3-R 6	6	83	2.2	---	---	---
J1-R 0.5	0.5	340	17	<0.25	---	---
J1-R 1	1	5.8	---	---	---	---
J1-R 2	2	3.6	---	---	---	---
J2-R 0.5	0.5	<5.0	---	---	---	---
J2-R 1	1	140	3.7	---	---	---
J2-R 2	2	8.1	---	---	---	---
K1-R 0.5	0.5	640	48	---	1.5	---
K1-R 1	1	24	---	---	---	8.7
K1-R 2	2	5.5	---	---	---	---
K1-R 3	3	6.9	---	---	---	---
K1-R 4	4	6.3	---	---	---	---
K1-R 6	6	<5.0	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
K2-R 0.5	0.5	<5.0	---	---	---	---
K2-R 1	1	<5.0	---	---	---	---
K2-R 2	2	16	---	---	---	---
K2-R 3	3	7.3	---	---	---	---
K2-R 4	4	<5.0	---	---	---	---
K2-R 6	6	<5.0	---	---	---	---
K3-R 0.5	0.5	410	2.8	---	---	8.3
K3-R 1	1	<5.0	---	---	---	---
K3-R 2	2	39	---	---	---	---
K3-R 3	3	16	---	---	---	---
K3-R 4	4	10	---	---	---	---
L1-R 0.5	0.5	240	17	<0.25	---	---
L1-R 1	1	6.7	---	---	---	---
L1-R 2	2	<5.0	---	---	---	---
L1-R 3	3	<5.0	---	---	---	---
L1-R 4	4	<5.0	---	---	---	---
L1-R 6	6	<5.0	---	---	---	---
L2-R 0.5	0.5	600	57	---	1.6	7.5
L2-R 1	1	130	4.6	---	---	---
L2-R 2	2	6.1	---	---	---	---
M1-R 0.5	0.5	160	12	<0.25	---	---
M1-R 1	1	120	4.5	---	---	---
M1-R 2	2	<5.0	---	---	---	---
M1-R 3	3	<5.0	---	---	---	---
M1-R 4	4	5.5	---	---	---	---
M1-R 6	6	<5.0	---	---	---	---
M2-R 0.5	0.5	43	---	---	---	---
M2-R 1	1	10	---	---	---	---
M2-R 2	2	5.1	---	---	---	8.3
M3-R 0.5	0.5	32	---	---	---	---
M3-R 1	1	5.5	---	---	---	---
M3-R 2	2	14	---	---	---	---
M3-R 3	3	14	---	---	---	---
M3-R 4	4	12	---	---	---	---
M3-R 6	6	5.3	---	---	---	---
N1-R 0.5	0.5	200	9.5	<0.25	---	---
N1-R 1	1	130	5.6	<0.25	---	---
N1-R 2	2	10	---	---	---	---
N1-R 3	3	9.8	---	---	---	---
N1-R 4	4	11	---	---	---	8.2
N1-R 6	6	14	---	---	---	---
N2-R 0.5	0.5	220	0.70	---	---	---
N2-R 1	1	50	---	---	---	---
N2-R 2	2	4.3	---	---	---	---
N2-R 3	3	5.0	---	---	---	---
N2-R 4	4	11	---	---	---	---
N2-R 6	6	15	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
O1-R 0.5	0.5	420	15	<0.25	---	---
O1-R 1	1	10	---	---	---	---
O1-R 2	2	<5.0	---	---	---	---
O1-R 3	3	<5.0	---	---	---	8.3
O1-R 4	4	6.4	---	---	---	---
O1-R 6	6	7.6	---	---	---	---
O2-R 0.5	0.5	9.0	---	---	---	8.3
O2-R 1	1	9.5	---	---	---	---
O2-R 2	2	7.4	---	---	---	---
O2-R 3	3	10	---	---	---	---
O2-R 4	4	10	---	---	---	---
O2-R 6	6	12	---	---	---	---
O3-R 0.5	0.5	480	36	<0.25	---	---
O3-R 1	1	8.8	---	---	---	---
O3-R 2	2	8.7	---	---	---	---
O3-R 3	3	9.1	---	---	---	---
O3-R 4	4	12	---	---	---	---
O3-R 6	6	13	---	---	---	8.5
P1-R 0.5	0.5	47	---	---	---	---
P1-R 1	1	4.1	---	---	---	---
P1-R 2	2	2.6	---	---	---	---
P2-R 0.5	0.5	290	21	<0.25	---	---
P2-R 1	1	42	---	---	---	---
P2-R 2	2	<5.0	---	---	---	---
Q1-R 0.5	0.5	8.5	---	---	---	---
Q1-R 1	1	10	---	---	---	---
Q1-R 2	2	270	1.3	---	---	---
Q1-R 3	3	12	---	---	---	---
Q1-R 4	4	6.0	---	---	---	8.2
Q1-R 6	6	11	---	---	---	---
Q2-R 0.5	0.5	62	3.3	---	---	---
Q2-R 1	1	29	---	---	---	---
Q2-R 2	2	10	---	---	---	---
Q2-R 3	3	9.4	---	---	---	---
Q2-R 4	4	8.2	---	---	---	---
Q2-R 6	6	10	---	---	---	---
Q3-R 0.5	0.5	380	40	<0.25	---	---
Q3-R 1	1	34	---	---	---	---
Q3-R 2	2	19	---	---	---	---
Q3-R 3	3	9.9	---	---	---	8.0
Q3-R 4	4	9.7	---	---	---	---
Q3-R 6	6	9.6	---	---	---	---
R1-R 0.5	0.5	20	---	---	---	---
R1-R 1	1	12	---	---	---	---
R1-R 2	2	<5.0	---	---	---	8.4
R1-R 3	3	<5.0	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
R2-R 0.5	0.5	230	5.2	<0.25	---	---
R2-R 1	1	38	---	---	---	---
R2-R 2	2	3.5	---	---	---	---
R2-R 3	3	3.1	---	---	---	---
S1-R 0.5	0.5	5.7	---	---	---	---
S1-R 1	1	20	---	---	---	---
S1-R 2	2	7.4	---	---	---	---
S1-R 3	3	24	---	---	---	---
S1-R 4	4	<5.0	---	---	---	---
S1-R 6	6	9.1	---	---	---	8.1
S2-R 0.5	0.5	100	13	<0.25	---	---
S2-R 1	1	270	12	<0.25	---	---
S2-R 2	2	<5.0	---	---	---	---
S2-R 3	3	<5.0	---	---	---	---
S2-R 4	4	<5.0	---	---	---	---
S2-R 6	6	<5.0	---	---	---	---
S3-R 0.5	0.5	140	6.4	<0.25	---	---
S3-R 1	1	57	0.90	---	---	---
S3-R 2	2	11	---	---	---	---
S3-R 3	3	14	---	---	---	---
S3-R 4	4	6.6	---	---	---	8.2
S3-R 6	6	9.0	---	---	---	---
T1-R 0.5	0.5	47	---	---	---	8.2
T1-R 1	1	16	---	---	---	---
T2-R 0.5	0.5	44	---	---	---	---
T2-R 1	1	8.1	---	---	---	---
U1-R 0.5	0.5	290	10	<0.25	---	---
U1-R 1	1	420	34	<0.25	---	---
U1-R 2	2	23	---	---	---	---
U1-R 3	3	73	0.65	---	---	---
U1-R 4	4	3.7	---	---	---	---
U1-R 6	6	6.5	---	---	---	---
U2-R 0.5	0.5	250	16	<0.25	---	---
U2-R 1	1	270	17	<0.25	---	7.6
U2-R 2	2	220	8.2	<0.25	---	---
U2-R 3	3	19	---	---	---	---
U2-R 4	4	13	---	---	---	---
U2-R 6	6	6.2	---	---	---	---
U3-R 0.5	0.5	520	---	---	0.29	---
V1-R 0.5	0.5	180	16	<0.25	---	---
V1-R 1	1	160	13	<0.25	---	---
V1-R 2	2	71	4.6	---	---	---
V1-R 3	3	5.8	---	---	---	---
V1-R 4	4	5.1	---	---	---	---
V1-R 6	6	18	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
V2-R 0.5	0.5	360	25	<0.25	---	---
V2-R 1	1	110	4.9	---	---	---
V2-R 2	2	21	---	---	---	8.2
V2-R 3	3	220	8.5	<0.25	---	---
V2-R 4	4	9.0	---	---	---	---
V2-R 6	6	18	---	---	---	---
W1-RW2 0.5	0.5	250	29	<0.25	---	---
W1-RW2 1	1	22	---	---	---	---
W1-RW2 2	2	<5.0	---	---	---	---
W1-RW2 3	3	<5.0	---	---	---	---
W1-RW2 4	4	9.2	---	---	---	---
W1-RW2 6	6	6.4	---	---	---	---
W2-RW2 0.5	0.5	150	32	<0.25	---	---
W2-RW2 1	1	5.9	---	---	---	---
W2-RW2 2	2	6.1	---	---	---	8.3
W2-RW2 3	3	13	---	---	---	---
W2-RW2 4	4	17	---	---	---	---
W2-RW2 6	6	11	---	---	---	8.0
W2-RW2 40	40	16	---	---	---	---
W3-RW2 0.5	0.5	130	2.7	---	---	---
X1-RW2 0.5	0.5	220	10	<0.25	---	---
X1-RW2 1	1	14	---	---	---	---
X1-RW2 2	2	160	3.8	---	---	---
X1-RW2 3	3	23	---	---	---	---
X1-RW2 4	4	38	---	---	---	---
X1-RW2 6	6	8.2	---	---	---	---
X2-RW2 0.5	0.5	240	4.0	---	---	---
X2-RW2 1	1	17	---	---	---	---
X2-RW2 2	2	9.6	---	---	---	8.1
X2-RW2 3	3	6.5	---	---	---	---
X2-RW2 4	4	7.7	---	---	---	---
X2-RW2 6	6	9.0	---	---	---	---
X2-RW2 45	45	12	---	---	---	---
X3-RW2 0.5	0.5	13	---	---	---	---
Y1-RW2 0.5	0.5	7.7	---	---	---	---
Y1-RW2 1	1	20	---	---	---	---
Y1-RW2 2	2	12	---	---	---	---
Y1-RW2 3	3	7.2	---	---	---	---
Y1-RW2 4	4	5.7	---	---	---	---
Y1-RW2 6	6	5.8	---	---	---	---
Y2-RW2 0.5	0.5	19	---	---	---	---
Y2-RW2 1	1	5.5	---	---	---	---
Y2-RW2 2	2	6.7	---	---	---	---
Y2-RW2 3	3	7.8	---	---	---	7.3
Y2-RW2 4	4	7.8	---	---	---	---
Y2-RW2 6	6	7.4	---	---	---	---
Y2-RW2 18	18	<5.0	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
Y3-RW2 0.5	0.5	110	11	<0.25	---	---
Y3-RW2 1	1	13	---	---	---	---
Y3-RW2 2	2	6.0	---	---	---	---
Y3-RW2 3	3	6.5	---	---	---	---
Y3-RW2 4	4	8.3	---	---	---	---
Y3-RW2 6	6	6.2	---	---	---	7.7
Z1-R 0.5	0.5	6.8	---	---	---	---
Z1-R 1	1	<5.0	---	---	---	---
Z1-R 2	2	8.4	---	---	---	---
Z1-R 3	3	8.1	---	---	---	---
Z1-R 4	4	7.3	---	---	---	---
Z1-R 6	6	5.5	---	---	---	---
Z2-R 0.5	0.5	7.1	---	---	---	---
Z2-R 1	1	7.9	---	---	---	---
Z2-R 2	2	7.5	---	---	---	8.1
Z2-R 3	3	8.9	---	---	---	---
Z2-R 4	4	9.8	---	---	---	---
Z2-R 6	6	10	---	---	---	---
AA1-R 0.5	0.5	280	21	<0.25	---	---
AA1-R 1	1	7.1	---	---	---	---
AA1-R 2	2	8.2	---	---	---	---
AA1-R 3	3	13	---	---	---	---
AA1-R 4	4	5.1	---	---	---	---
AA1-R 6	6	7.4	---	---	---	---
AA2-R 0.5	0.5	95	2.0	---	---	---
AA2-R 1	1	7.3	---	---	---	8.2
AA2-R 2	2	<5.0	---	---	---	---
AA2-R 3	3	<5.0	---	---	---	---
AA2-R 4	4	<5.0	---	---	---	8.4
AA2-R 6	6	12	---	---	---	---
AA3-R 0.5	0.5	140	6.5	<0.25	---	---
AA3-R 1	1	10	---	---	---	---
AA3-R 2	2	30	---	---	---	---
AB1-R 0.5	0.5	44	---	---	---	---
AB1-R 1	1	60	1.7	---	---	---
AB1-R 2	2	210	6.6	<0.25	---	---
AB1-R 3	3	8.8	---	---	---	---
AB1-R 4	4	12	---	---	---	---
AB1-R 6	6	38	---	---	---	---
AB2-R 0.5	0.5	130	12	<0.25	---	7.5
AB2-R 1	1	24	---	---	---	---
AB2-R 2	2	<5.0	---	---	---	---
AB2-R 3	3	<5.0	---	---	---	---
AB2-R 4	4	8.4	---	---	---	---
AB2-R 6	6	13	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AC1-R 0.5	0.5	8.1	---	---	---	---
AC1-R 1	1	8.4	---	---	---	---
AC1-R 2	2	6.3	---	---	---	---
AC1-R 3	3	9.1	---	---	---	---
AC1-R 4	4	8.5	---	---	---	---
AC1-R 6	6	18	---	---	---	8.2
AC2-R 0.5	0.5	26	---	---	---	---
AC2-R 1	1	11	---	---	---	---
AC2-R 2	2	5.2	---	---	---	---
AC2-R 3	3	5.6	---	---	---	---
AC2-R 4	4	8.1	---	---	---	---
AC2-R 6	6	11	---	---	---	---
AD1-R 0.5	0.5	<5.0	---	---	---	---
AD1-R 1	1	1,100	51	---	1.1	---
AD1-R 2	2	12	---	---	---	---
AD1-R 3	3	38	---	---	---	---
AD1-R 4	4	26	---	---	---	---
AD1-R 6	6	7.9	---	---	---	---
AD2-R 0.5	0.5	180	14	<0.25	---	---
AD2-R 1	1	16	---	---	---	---
AD2-R 2	2	<5.0	---	---	---	---
AD2-R 3	3	7.6	---	---	---	8.1
AD2-R 4	4	<5.0	---	---	---	---
AD2-R 6	6	6.6	---	---	---	---
AE1-R 0.5	0.5	390	16	<0.25	---	---
AE1-R 1	1	24	---	---	---	---
AE1-R 2	2	15	---	---	---	---
AE1-R 3	3	12	---	---	---	---
AE1-R 4	4	19	---	---	---	---
AE1-R 6	6	24	---	---	---	---
AE2-R 0.5	0.5	570	21	---	0.43	---
AE2-R 1	1	18	---	---	---	---
AE2-R 2	2	71	2.8	---	---	8.0
AE2-R 3	3	7.6	---	---	---	---
AE2-R 4	4	5.3	---	---	---	---
AE2-R 6	6	260	13	<0.25	---	---
AE3-R 0.5	0.5	34	---	---	---	---
AE3-R 1	1	21	---	---	---	---
AE3-R 2	2	15	---	---	---	---
AE3-R 3	3	5.7	---	---	---	---
AE3-R 4	4	6.5	---	---	---	---
AE3-R 6	6	8.0	---	---	---	---
AF1-R 0.5	0.5	18	---	---	---	---
AF1-R 1	1	14	---	---	---	8.2
AF1-R 2	2	10	---	---	---	---
AF1-R 3	3	5.9	---	---	---	---
AF1-R 4	4	5.4	---	---	---	---
AF1-R 6	6	7.4	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AF2-R 0.5	0.5	360	23	<0.25	---	---
AF2-R 1	1	160	12	<0.25	---	---
AF2-R 2	2	13	---	---	---	---
AF2-R 3	3	7.5	---	---	---	---
AF2-R 4	4	210	22	<0.25	---	---
AF2-R 6	6	42	---	---	---	---
AG1-R 0.5	0.5	170	5.8	<0.25	---	8.2
AG1-R 1	1	86	4.3	---	---	---
AG1-R 2	2	9.9	---	---	---	---
AG1-R 3	3	12	---	---	---	---
AG1-R 4	4	14	---	---	---	---
AG1-R 6	6	7.4	---	---	---	---
AG2-R 0.5	0.5	14	---	---	---	---
AG2-R 1	1	20	---	---	---	---
AG2-R 2	2	15	---	---	---	---
AG2-R 3	3	20	---	---	---	---
AG2-R 4	4	8.0	---	---	---	---
AG2-R 6	6	<5.0	---	---	---	8.1
AG3-R 0.5	0.5	35	---	---	---	---
AG3-R 1	1	7.0	---	---	---	---
AG3-R 2	2	22	---	---	---	8.2
AG3-R 3	3	9.5	---	---	---	---
AG3-R 4	4	5.4	---	---	---	---
AG3-R 6	6	5.6	---	---	---	---
AH1-R 0.5	0.5	<5.0	---	---	---	---
AH1-R 1	1	8.3	---	---	---	---
AH1-R 2	2	24	---	---	---	---
AH1-R 3	3	12	---	---	---	---
AH1-R 4	4	15	---	---	---	---
AH1-R 6	6	20	---	---	---	---
AH2-R 0.5	0.5	25	---	---	---	---
AH2-R 1	1	7.7	---	---	---	---
AH2-R 2	2	19	---	---	---	---
AH2-R 3	3	90	1.6	---	---	8.4
AH2-R 4	4	6.5	---	---	---	---
AH2-R 6	6	6.1	---	---	---	---
AI1-R 0.5	0.5	37	---	---	---	---
AI1-R 1	1	18	---	---	---	---
AI1-R 2	2	22	---	---	---	---
AI1-R 3	3	10	---	---	---	---
AI1-R 4	4	6.7	---	---	---	---
AI1-R 6	6	43	---	---	---	---
AI2-R 0.5	0.5	16	---	---	---	---
AI2-R 1	1	14	---	---	---	8.3
AI2-R 2	2	16	---	---	---	---
AI2-R 3	3	23	---	---	---	---
AI2-R 4	4	67	4.7	---	---	---
AI2-R 6	6	17	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AI3-R 0.5	0.5	13	---	---	---	---
AI3-R 1	1	13	---	---	---	---
AI3-R 2	2	18	---	---	---	---
AI3-R 3	3	9.0	---	---	---	---
AI3-R 4	4	7.1	---	---	---	---
AI3-R 6	6	5.5	---	---	---	8.2
AJ1-R 0.5	0.5	22	---	---	---	---
AJ1-R 1	1	19	---	---	---	---
AJ1-R 2	2	20	---	---	---	---
AJ1-R 3	3	<5.0	---	---	---	---
AJ1-R 4	4	6.4	---	---	---	---
AJ1-R 6	6	<5.0	---	---	---	---
AJ2-R 0.5	0.5	21	---	---	---	---
AJ2-R 1	1	3.2	---	---	---	---
AJ2-R 2	2	3.3	---	---	---	---
AJ2-R 3	3	4.6	---	---	---	8.1
AJ2-R 4	4	2.9	---	---	---	---
AJ2-R 6	6	5.0	---	---	---	---
AK1-R 0.5	0.5	12	---	---	---	---
AK1-R 1	1	16	---	---	---	---
AK1-R 2	2	<5.0	---	---	---	---
AK1-R 3	3	<5.0	---	---	---	---
AK1-R 4	4	8.7	---	---	---	---
AK1-R 6	6	6.1	---	---	---	---
AK2-R 0.5	0.5	21	---	---	---	---
AK2-R 1	1	<5.0	---	---	---	8.1
AK2-R 2	2	8.3	---	---	---	---
AK2-R 3	3	28	---	---	---	---
AK2-R 4	4	24	---	---	---	---
AK2-R 6	6	5.4	---	---	---	---
AK3-R 0.5	0.5	9.9	---	---	---	---
AK3-R 1	1	6.1	---	---	---	---
AK3-R 2	2	5.5	---	---	---	---
AK3-R 3	3	<5.0	---	---	---	---
AK3-R 4	4	9.9	---	---	---	---
AK3-R 6	6	7.4	---	---	---	7.8
AL1-R 0.5	0.5	36	---	---	---	---
AL1-R 1	1	14	---	---	---	---
AL1-R 2	2	9.0	---	---	---	---
AL1-R 3	3	33	---	---	---	---
AL1-R 4	4	11	---	---	---	---
AL1-R 6	6	9.2	---	---	---	---
AL2-R 0.5	0.5	12	---	---	---	---
AL2-R 1	1	6.6	---	---	---	---
AL2-R 2	2	<5.0	---	---	---	---
AL2-R 3	3	<5.0	---	---	---	8.0
AL2-R 4	4	<5.0	---	---	---	---
AL2-R 6	6	<5.0	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AM1-R 0.5	0.5	9.0	---	---	---	---
AM1-R 1	1	<5.0	---	---	---	---
AM1-R 2	2	8.3	---	---	---	---
AM1-R 3	3	9.4	---	---	---	---
AM1-R 4	4	5.7	---	---	---	---
AM1-R 6	6	7.0	---	---	---	---
AM2-R 0.5	0.5	17	---	---	---	---
AM2-R 1	1	37	---	---	---	8.0
AM2-R 2	2	9.6	---	---	---	---
AM2-R 3	3	9.3	---	---	---	---
AM2-R 4	4	18	---	---	---	---
AM2-R 6	6	9.7	---	---	---	---
AM3-R 0.5	0.5	120	0.83	---	---	---
AM3-R 1	1	10	---	---	---	---
AM3-R 2	2	6.2	---	---	---	---
AM3-R 3	3	43	---	---	---	---
AM3-R 4	4	24	---	---	---	---
AM3-R 6	6	6.7	---	---	---	8.0
AN1-R 0.5	0.5	20	---	---	---	---
AN1-R 1	1	6.4	---	---	---	---
AN1-R 2	2	<5.0	---	---	---	---
AN1-R 3	3	9.1	---	---	---	---
AN1-R 4	4	14	---	---	---	---
AN1-R 6	6	<5.0	---	---	---	---
AN2-R 0.5	0.5	12	---	---	---	---
AN2-R 1	1	3.9	---	---	---	---
AN2-R 2	2	7.2	---	---	---	---
AN2-R 3	3	9.4	---	---	---	7.8
AN2-R 4	4	9.6	---	---	---	---
AN2-R 6	6	9.3	---	---	---	---
AO1-R 0.5	0.5	110	10	<0.25	---	---
AO1-R 1	1	35	---	---	---	---
AO1-R 2	2	28	---	---	---	---
AO1-R 3	3	6.5	---	---	---	---
AO1-R 4	4	10	---	---	---	---
AO1-R 6	6	9.5	---	---	---	---
AO2-R 0.5	0.5	30	---	---	---	---
AO2-R 1	1	18	---	---	---	8.4
AO2-R 2	2	<5.0	---	---	---	---
AO2-R 3	3	12	---	---	---	---
AO2-R 4	4	110	3.4	---	---	---
AP1-R 0.5	0.5	270	1.2	---	---	---
AP1-R 1	1	9.9	---	---	---	---
AP1-R 2	2	<5.0	---	---	---	---
AP1-R 3	3	<5.0	---	---	---	---
AP1-R 4	4	<5.0	---	---	---	8.0

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AR1-R 0.5	0.5	99	2.5	---	---	---
AR1-R 1	1	5.6	---	---	---	---
AR1-R 2	2	7.1	---	---	---	---
AR1-R 3	3	<5.0	---	---	---	---
AR1-R 4	4	<5.0	---	---	---	7.7
AR2-R 0.5	0.5	15	---	---	---	---
AR2-R 1	1	6.2	---	---	---	---
AR2-R 2	2	5.7	---	---	---	---
AR2-R 3	3	<5.0	---	---	---	---
AR2-R 4	4	10	---	---	---	---
AS1-R 0.5	0.5	<5.0	---	---	---	---
AS1-R 1	1	<5.0	---	---	---	---
AS1-R 2	2	<5.0	---	---	---	---
AS1-R 3	3	<5.0	---	---	---	---
AS1-R 4	4	6.5	---	---	---	---
AS2-R 0.5	0.5	<5.0	---	---	---	8.6
AS2-R 1	1	5.2	---	---	---	---
AS2-R 2	2	<5.0	---	---	---	---
AS2-R 3	3	<5.0	---	---	---	---
AS2-R 4	4	7.6	---	---	---	---
AS2-R 6	6	5.5	---	---	---	---
AS3-R 0.5	0.5	85	2.5	---	---	---
AS3-R 1	1	11	---	---	---	---
AS3-R 2	2	5.7	---	---	---	---
AS3-R 3	3	5.4	---	---	---	---
AT1-R 0.5	0.5	22	---	---	---	---
AT1-R 1	1	3.5	---	---	---	8.8
AT1-R 2	2	4.1	---	---	---	---
AT1-R 3	3	2.8	---	---	---	---
AT1-R 4	4	9.3	---	---	---	---
AT1-R 6	6	11	---	---	---	---
AT2-R 0.5	0.5	100	5.4	---	---	---
AT2-R 1	1	15	---	---	---	---
AT2-R 2	2	13	---	---	---	---
AT2-R 3	3	12	---	---	---	---
AT3-R 0.5	0.5	74	4.0	---	---	---
AT3-R 1	1	36	---	---	---	---
AT3-R 2	2	27	---	---	---	8.2
AT3-R 3	3	17	---	---	---	---
AT4-R 0.5	0.5	12	---	---	---	---
AT4-R 1	1	14	---	---	---	---
AT4-R 2	2	13	---	---	---	---
AT4-R 3	3	9.1	---	---	---	---
AT4-R 4	4	<5.0	---	---	---	---
AT4-R 6	6	10	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AT5-R 0.5	0.5	8.0	---	---	---	---
AT5-R 1	1	8.7	---	---	---	---
AT5-R 2	2	7.9	---	---	---	---
AT5-R 3	3	9.1	---	---	---	8.1
AT5-R 4	4	8.7	---	---	---	---
AT5-R 6	6	13	---	---	---	8.0
AU1-R 0.5	0.5	5.6	---	---	---	---
AU1-R 1	1	3.4	---	---	---	---
AU1-R 2	2	3.2	---	---	---	---
AU1-R 3	3	2.5	---	---	---	---
AU1-R 4	4	2.7	---	---	---	---
AU2-R 0.5	0.5	55	0.61	---	---	---
AU2-R 1	1	59	3.2	---	---	---
AU2-R 2	2	7.7	---	---	---	---
AU2-R 3	3	<5.0	---	---	---	---
AU2-R 4	4	<5.0	---	---	---	---
AU3-R 0.5	0.5	69	7.8	---	---	8.2
AU3-R 1	1	210	14	---	---	---
AU3-R 2	2	72	2.3	---	---	---
AU3-R 3	3	170	11	---	---	---
AU3-R 4	4	140	2.6	---	---	---
AU3-R 6	6	9.2	---	---	---	---
AU4-R 0.5	0.5	68	2.9	---	---	---
AU4-R 1	1	13	---	---	---	---
AU4-R 2	2	17	---	---	---	---
AV1-R 0.5	0.5	45	---	---	---	---
AV1-R 1	1	<5.0	---	---	---	---
AV1-R 2	2	8.2	---	---	---	8.6
AV1-R 3	3	10	---	---	---	---
AV1-R 4	4	13	---	---	---	---
AV1-R 6	6	18	---	---	---	---
AV2-R 0.5	0.5	14	---	---	---	---
AV2-R 1	1	28	---	---	---	---
AV2-R 2	2	150	7.5	---	---	---
AV2-R 3	3	12	---	---	---	---
AV2-R 4	4	70	0.52	---	---	---
AV2-R 6	6	240	3.0	---	---	---
AW1-RAMP 0.5	0.5	63	5.1	---	---	---
AW1-RAMP 1	1	9.9	---	---	---	8.4
AW1-RAMP 2	2	28	---	---	---	---
AW1-RAMP 3	3	8.6	---	---	---	---
AW1-RAMP 4	4	8.8	---	---	---	---
AW1-RAMP 6	6	6.9	---	---	---	---
AW2-RAMP 0.5	0.5	96	10	---	---	---
AW2-RAMP 1	1	9.9	---	---	---	---
AW2-RAMP 2	2	15	---	---	---	---
AW2-RAMP 3	3	9.8	---	---	---	---
AW2-RAMP 4	4	26	---	---	---	---
AW2-RAMP 6	6	<5.0	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AW3-RAMP 0.5	0.5	34	---	---	---	6.9
AW3-RAMP 1	1	9.2	---	---	---	---
AW3-RAMP 2	2	15	---	---	---	---
AW3-RAMP 3	3	7.5	---	---	---	---
AW3-RAMP 4	4	9.0	---	---	---	---
AW1-R 0.5	0.5	130	4.5	---	---	---
AW1-R 1	1	18	---	---	---	---
AW1-R 2	2	5.9	---	---	---	---
AW1-R 3	3	14	---	---	---	---
AW2-R 0.5	0.5	17	---	---	---	---
AW2-R 1	1	16	---	---	---	---
AX1-R 0.5	0.5	25	---	---	---	7.8
AX1-R 1	1	19	---	---	---	---
AX1-R 2	2	48	---	---	---	---
AX1-R 3	3	8.9	---	---	---	---
AX1-R 4	4	7.8	---	---	---	---
AX1-R 6	6	9.7	---	---	---	---
AX2-R 0.5	0.5	37	---	---	---	---
AX2-R 1	1	8.2	---	---	---	---
AX2-R 2	2	9.9	---	---	---	---
AX2-R 3	3	6.3	---	---	---	---
AX2-R 4	4	5.0	---	---	---	---
AX2-R 6	6	34	---	---	---	7.8
AY1-R 0.5	0.5	190	1.9	---	---	---
AY1-R 1	1	6.9	---	---	---	---
AY1-R 2	2	6.1	---	---	---	---
AY1-R 3	3	6.0	---	---	---	---
AY1-R 4	4	72	3.3	---	---	---
AY1-R 6	6	9.9	---	---	---	---
AY2-R 0.5	0.5	100	8.3	---	---	---
AY2-R 1	1	22	---	---	---	---
AY2-R 2	2	15	---	---	---	---
AY2-R 3	3	6.9	---	---	---	---
AY2-R 4	4	<5.0	---	---	---	8.2
AY2-R 6	6	6.6	---	---	---	---
AY3-R 0.5	0.5	66	2.7	---	---	---
AY3-R 1	1	65	3.6	---	---	---
AY3-R 2	2	11	---	---	---	8.2
AZ1-RW3 0.5	0.5	<5.0	---	---	---	---
AZ1-RW3 1	1	5.1	---	---	---	8.2
AZ1-RW3 2	2	<5.0	---	---	---	---
AZ2-RW3 0.5	0.5	260	25	<0.25	---	---
AZ2-RW3 1	1	110	5.7	<0.25	---	---
AZ2-RW3 2	2	10	---	---	---	---
AZ2-RW3 3	3	7.9	---	---	---	---
AZ2-RW3 4	4	16	---	---	---	---
AZ2-RW3 6	6	7.4	---	---	---	---
AZ2-RW3 15	15	10	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
BA1-RW3 0.5	0.5	14	---	---	---	---
BA1-RW3 1	1	81	2.8	---	---	---
BA1-RW3 2	2	16	---	---	---	8.5
BA1-RW3 3	3	14	---	---	---	---
BA1-RW3 4	4	13	---	---	---	---
BA1-RW3 6	6	10	---	---	---	---
BA2-RW3 0.5	0.5	60	2.2	---	---	---
BA2-RW3 1	1	12	---	---	---	---
BA2-RW3 2	2	8.1	---	---	---	---
BA2-RW3 3	3	9.8	---	---	---	---
BA2-RW3 4	4	12	---	---	---	---
BA2-RW3 6	6	12	---	---	---	---
BA2-RW3 8	8	11	---	---	---	---
BB1-RW3 0.5	0.5	30	---	---	---	8.0
BB1-RW3 1	1	54	4.9	---	---	---
BB1-RW3 2	2	5.0	---	---	---	---
BB1-RW3 3	3	9.4	---	---	---	---
BB1-RW3 4	4	8.2	---	---	---	---
BB2-RW3 0.5	0.5	28	---	---	---	---
BB2-RW3 1	1	11	---	---	---	---
BB2-RW3 16	16	5.1	---	---	---	---
BC1-RW3 0.5	0.5	110	9.7	<0.25	---	---
BC1-RW3 1	1	100	2.6	---	---	---
BC1-RW3 2	2	5.0	---	---	---	---
BC1-RW3 3	3	9.7	---	---	---	---
BC1-RW3 4	4	12	---	---	---	8.4
BC1-RW3 6	6	35	---	---	---	---
BC2-RW3 0.5	0.5	31	---	---	---	---
BC2-RW3 1	1	19	---	---	---	---
BC2-RW3 2	2	20	---	---	---	---
BC3-RW3 0.5	0.5	240	13	<0.25	---	---
BC3-RW3 1	1	14	---	---	---	---
BC3-RW3 20	20	11	---	---	---	---
BD1-RW3 0.5	0.5	240	21	<0.25	---	---
BD1-RW3 1	1	200	12	<0.25	---	---
BD1-RW3 2	2	12	---	---	---	---
BD1-RW3 3	3	10	---	---	---	---
BD1-RW3 4	4	<5.0	---	---	---	8.1
BD1-RW3 6	6	9.9	---	---	---	---
BD2-RW3 0.5	0.5	32	---	---	---	---
BD2-RW3 1	1	34	---	---	---	---
BD2-RW3 2	2	10	---	---	---	---
BD2-RW3 3	3	11	---	---	---	---
BD2-RW3 4	4	13	---	---	---	---
BE1-RW3 0.5	0.5	12	---	---	---	---
BE1-RW3 1	1	9.1	---	---	---	---
BE1-RW3 2	2	54	1.7	---	---	---
BE1-RW3 3	3	52	<0.25	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
BE2-RW3 0.5	0.5	43	---	---	---	8.2
BE2-RW3 1	1	14	---	---	---	---
BE2-RW3 2	2	5.5	---	---	---	---
BE2-RW3 3	3	5.7	---	---	---	---
BE2-RW3 4	4	7.8	---	---	---	---
BE2-RW3 6	6	7.7	---	---	---	---
BE3-RW3 0.5	0.5	16	---	---	---	---
BE3-RW3 1	1	220	0.69	---	---	---
BE3-RW3 14	14	8.6	---	---	---	---
BF1-RW3 0.5	0.5	17	---	---	---	---
BF1-RW3 1	1	30	---	---	---	---
BF1-RW3 2	2	17	---	---	---	---
BF1-RW3 3	3	180	<0.25	---	---	8.5
BF1-RW3 4	4	13	---	---	---	---
BF1-RW3 6	6	7.6	---	---	---	---
BF2-RW3 0.5	0.5	10	---	---	---	---
BF2-RW3 1	1	9.0	---	---	---	---
BF2-RW3 2	2	9.3	---	---	---	---
BF2-RW3 3	3	10	---	---	---	---
BF2-RW3 4	4	9.7	---	---	---	---
BF2-RW3 6	6	9.8	---	---	---	---
BF2-RW3 8	8	9.7	---	---	---	---
BG1-RW3 0.5	0.5	10	---	---	---	---
BG1-RW3 1	1	32	---	---	---	8.4
BG1-RW3 2	2	8.2	---	---	---	---
BG1-RW3 3	3	8.7	---	---	---	8.4
BG1-RW3 4	4	8.2	---	---	---	---
BG1-RW3 6	6	11	---	---	---	---
BG3-RW3 0.5	0.5	160	5.5	<0.25	---	---
BG3-RW3 1	1	14	---	---	---	---
BG3-RW3 2	2	9.4	---	---	---	---
BG3-RW3 3	3	12	---	---	---	---
BG3-RW3 14	14	8.9	---	---	---	---
BH1-R 0.5	0.5	19	---	---	---	---
BH1-R 1	1	56	4.8	---	---	---
BH1-R 2	2	3.3	---	---	---	---
BH1-R 3	3	4.2	---	---	---	---
BH1-R 4	4	12	---	---	---	8.3
BH1-R 6	6	6.9	---	---	---	---
BH2-R 0.5	0.5	170	5.2	<0.25	---	---
BH2-R 1	1	9.3	---	---	---	---
BH2-R 2	2	12	---	---	---	---
BH2-R 3	3	11	---	---	---	---
BH2-R 4	4	10	---	---	---	---
BH2-R 6	6	8.3	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
BI1-R 0.5	0.5	18	---	---	---	---
BI1-R 1	1	11	---	---	---	---
BI1-R 2	2	36	---	---	---	---
BI1-R 3	3	12	---	---	---	8.5
BI1-R 4	4	11	---	---	---	---
BI1-R 6	6	17	---	---	---	---
BI2-R 0.5	0.5	310	12	<0.25	---	---
BI2-R 1	1	23	---	---	---	---
BI2-R 2	2	10	---	---	---	---
BI2-R 3	3	10	---	---	---	---
BI2-R 4	4	10	---	---	---	---
BI2-R 6	6	9.2	---	---	---	---
BI3-R 0.5	0.5	76	3.9	---	---	---
BI3-R 1	1	91	4.3	---	---	---
BI3-R 2	2	16	---	---	---	8.5
BI3-R 3	3	<5.0	---	---	---	---
BI3-R 4	4	10	---	---	---	---
BI3-R 6	6	8.1	---	---	---	---
BJ1-R 0.5	0.5	15	---	---	---	---
BJ1-R 1	1	30	---	---	---	---
BJ1-R 2	2	<5.0	---	---	---	---
BJ1-R 3	3	5.3	---	---	---	---
BJ1-R 4	4	7.7	---	---	---	---
BJ1-R 6	6	21	---	---	---	---
BJ2-R 0.5	0.5	120	4.4	---	---	---
BJ2-R 1	1	27	---	---	---	---
BJ2-R 2	2	8.0	---	---	---	---
BJ2-R 3	3	7.6	---	---	---	8.2
BJ2-R 4	4	7.7	---	---	---	---
BJ2-R 6	6	7.5	---	---	---	---
BK1-RW4 0.5	0.5	44	---	---	---	---
BK1-RW4 1	1	17	---	---	---	---
BK1-RW4 2	2	17	---	---	---	---
BK1-RW4 3	3	<5.0	---	---	---	---
BK1-RW4 4	4	5.8	---	---	---	---
BK1-RW4 6	6	7.9	---	---	---	---
BK2-RW4 0.5	0.5	25	---	---	---	---
BK2-RW4 1	1	8.9	---	---	---	8.2
BK2-RW4 2	2	9.6	---	---	---	---
BK2-RW4 3	3	22	---	---	---	---
BK2-RW4 4	4	9.1	---	---	---	---
BK3-RW4 0.5	0.5	20	---	---	---	---
BK3-RW4 1	1	18	---	---	---	---
BK3-RW4 2	2	19	---	---	---	---
BK3-RW4 3	3	11	---	---	---	---
BK3-RW4 4	4	13	---	---	---	---
BK3-RW4 4.5	4.5	12	---	---	---	8.4
BK3-RW4 18	18	8.5	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
BL1-RW4 0.5	0.5	150	10	<0.25	---	---
BL1-RW4 1	1	5.0	---	---	---	---
BL1-RW4 2	2	18	---	---	---	---
BL1-RW4 3	3	8.4	---	---	---	---
BL1-RW4 4	4	9.2	---	---	---	---
BL1-RW4 6	6	11	---	---	---	---
BL2-RW4 0.5	0.5	54	2.4	---	---	---
BL2-RW4 1	1	47	---	---	---	---
BL2-RW4 2	2	8.8	---	---	---	---
BL2-RW4 3	3	8.1	---	---	---	8.2
BL2-RW4 4	4	8.9	---	---	---	---
BL2-RW4 6	6	5.6	---	---	---	---
BL2-RW4 15	15	6.4	---	---	---	---
BM1-RW8 0.5	0.5	82	9.6	<0.25	---	---
BM1-RW8 1	1	25	---	---	---	---
BM1-RW8 2	2	<5.0	---	---	---	---
BM1-RW8 3	3	23	---	---	---	---
BM1-RW8 4	4	5.7	---	---	---	---
BM1-RW8 6	6	6.9	---	---	---	---
BM2-RW8 0.5	0.5	220	25	<0.25	---	---
BM2-RW8 1	1	1,100	37	<0.25	0.45	8.2
BM2-RW8 2	2	84	6.8	<0.25	---	---
BM3-RW8 0.5	0.5	690	36	<0.25	0.41	---
BM3-RW8 1	1	440	33	<0.25	---	---
BM3-RW8 2	2	410	34	<0.25	---	---
BM3-RW8 3	3	130	8.9	<0.25	---	---
BN1-RW8 0.5	0.5	2.9	---	---	---	---
BN1-RW8 1	1	3.5	---	---	---	---
BN1-RW8 2	2	3.7	---	---	---	---
BN1-RW8 3	3	3.4	---	---	---	---
BN1-RW8 4	4	5.4	---	---	---	10
BN2-RW8 0.5	0.5	220	14	<0.25	---	---
BN2-RW8 1	1	320	20	<0.25	---	---
BN2-RW8 2	2	200	11	<0.25	---	---
BN2-RW8 3	3	190	11	<0.25	---	---
BN2-RW8 4	4	300	21	<0.25	---	---
BO1-RW8 0.5	0.5	<5.0	---	---	---	---
BO1-RW8 1	1	<5.0	---	---	---	---
BO1-RW8 2	2	28	---	---	---	---
BO1-RW8 3	3	16	---	---	---	---
BO1-RW8 4	4	<5.0	---	---	---	7.3
BO1-RW8 6	6	14	---	---	---	---
BO1-RW8 9	9	12	---	---	---	---
BO2-RW8 0.5	0.5	34	---	---	---	---
BO2-RW8 1	1	52	3.6	---	---	---
BO2-RW8 2	2	100	4.1	---	---	---
BO2-RW8 3	3	50	4.1	---	---	---
BO2-RW8 4	4	170	12	<0.25	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
BO3-RW8 0.5	0.5	120	23	<0.25	---	---
BO3-RW8 1	1	170	19	<0.25	---	---
BO3-RW8 2	2	25	---	---	---	8.0
BO3-RW8 3	3	22	---	---	---	---
BO3-RW8 4	4	9.6	---	---	---	---
BP1-RW8 0.5	0.5	9.9	---	---	---	---
BP1-RW8 1	1	<5.0	---	---	---	---
BP1-RW8 2	2	6.1	---	---	---	---
BP1-RW8 3	3	5.4	---	---	---	---
BP1-RW8 4	4	9.4	---	---	---	---
BP1-RW8 6	6	7.5	---	---	---	---
BP1-RW8 9	9	8.3	---	---	---	---
BP2-RW8 0.5	0.5	76	2.9	---	---	7.6
BP2-RW8 1	1	53	3.2	---	---	---
BP2-RW8 2	2	200	11	<0.25	---	---
BP2-RW8 3	3	270	8.2	<0.25	---	---
BP2-RW8 4	4	69	2.5	---	---	8.2
Median Borings						
A1-L 0.5	0.5	1,300	---	---	0.43	---
A1-L 1	1	1,200	---	---	3.9	---
A1-L 2	2	14	---	---	---	---
A1-L 3	3	47	---	---	---	---
A1-L 4	4	8.9	---	---	---	8.4
A1-L 6	6	5.1	---	---	---	---
B1-L 0.5	0.5	28	---	---	---	---
B1-L 1	1	14	---	---	---	---
B1-L 2	2	5.7	---	---	---	---
B1-L 3	3	5.4	---	---	---	---
B1-L 4	4	6.3	---	---	---	---
B1-L 6	6	26	---	---	---	---
C1-L 0.5	0.5	<5.0	---	---	---	---
C1-L 1	1	6.2	---	---	---	---
C1-L 2	2	11	---	---	---	---
C1-L 3	3	5.8	---	---	---	---
C1-L 4	4	<5.0	---	---	---	8.9
C1-L 6	6	<5.0	---	---	---	---
D1-L 0.5	0.5	15	---	---	---	---
D1-L 1	1	17	---	---	---	---
D1-L 2	2	9.6	---	---	---	---
D1-L 3	3	6.4	---	---	---	---
D1-L 4	4	31	---	---	---	---
D1-L 6	6	12	---	---	---	---
E1-L 0.5	0.5	44	---	---	---	---
E1-L 1	1	22	---	---	---	---
E1-L 2	2	11	---	---	---	---
E1-L 3	3	8.3	---	---	---	---
E1-L 4	4	7.1	---	---	---	8.4
E1-L 6	6	26	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
F1-L 0.5	0.5	320	4.4	---	---	8.0
F1-L 1	1	98	4.8	---	---	---
F1-L 2	2	16	---	---	---	---
F1-L 3	3	18	---	---	---	---
F1-L 4	4	21	---	---	---	---
F1-L 6	6	27	---	---	---	---
G1-L 0.5	0.5	18	---	---	---	---
G1-L 1	1	9.4	---	---	---	---
G1-L 2	2	12	---	---	---	---
G1-L 3	3	10	---	---	---	---
G1-L 4	4	6.7	---	---	---	---
G1-L 6	6	5.8	---	---	---	8.2
H1-L 0.5	0.5	12	---	---	---	---
H1-L 1	1	25	---	---	---	---
H1-L 2	2	10	---	---	---	---
H1-L 3	3	9.6	---	---	---	---
H1-L 4	4	7.1	---	---	---	---
H1-L 6	6	5.7	---	---	---	---
I1-L 0.5	0.5	8.4	---	---	---	---
I1-L 1	1	23	---	---	---	---
I1-L 2	2	<5.0	---	---	---	---
I1-L 3	3	9.1	---	---	---	---
I1-L 4	4	7.0	---	---	---	---
I1-L 6	6	6.4	---	---	---	8.3
J1-L 0.5	0.5	23	---	---	---	---
J1-L 1	1	13	---	---	---	---
J1-L 2	2	9.2	---	---	---	---
J1-L 3	3	6.7	---	---	---	---
J1-L 4	4	4.6	---	---	---	---
K1-L 0.5	0.5	9.3	---	---	---	---
K1-L 1	1	<5.0	---	---	---	---
K1-L 2	2	<5.0	---	---	---	---
K1-L 3	3	<5.0	---	---	---	---
K1-L 4	4	<5.0	---	---	---	---
L1-L 0.5	0.5	9.3	---	---	---	---
L1-L 1	1	11	---	---	---	7.5
L1-L 2	2	7.2	---	---	---	---
L1-L 3	3	<5.0	---	---	---	---
L1-L 4	4	<5.0	---	---	---	---
L1-L 6	6	<5.0	---	---	---	---
M1-L 0.5	0.5	310	26	<0.25	---	---
M1-L 1	1	260	13	<0.25	---	---
M1-L 2	2	15	---	---	---	---
M1-L 3	3	56	3.3	---	---	---
M1-L 4	4	11	---	---	---	---
M1-L 6	6	560	---	---	3.3	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
N1-L 0.5	0.5	<5.0	---	---	---	---
N1-L 1	1	23	---	---	---	8.0
N1-L 2	2	8.1	---	---	---	---
N1-L 3	3	9.2	---	---	---	---
N1-L 4	4	8.0	---	---	---	---
N1-L 6	6	8.3	---	---	---	---
O1-L 0.5	0.5	22	---	---	---	---
O1-L 1	1	11	---	---	---	---
O1-L 2	2	7.8	---	---	---	---
O1-L 3	3	5.7	---	---	---	---
O1-L 4	4	5.7	---	---	---	---
O1-L 6	6	<5.0	---	---	---	---
P1-L 1	1	7.0	---	---	---	---
P1-L 2	2	12	---	---	---	9.4
P1-L 3	3	5.0	---	---	---	---
P1-L 4	4	16	---	---	---	---
P1-L 6	6	1.8	---	---	---	8.7
Q1-L 1	1	66	2.5	---	---	---
Q1-L 2	2	<5.0	---	---	---	---
Q1-L 3	3	<5.0	---	---	---	---
Q1-L 4	4	8.3	---	---	---	---
Q1-L 6	6	11	---	---	---	---
R1-L 1	1	6.2	---	---	---	8.0
R1-L 2	2	6.4	---	---	---	---
R1-L 3	3	4.0	---	---	---	---
R1-L 4	4	2.3	---	---	---	---
X-MED 1	1	3.1	---	---	---	---
X-MED 2	2	3.0	---	---	---	---
X-MED 3	3	6.8	---	---	---	---
X-MED 4	4	8.0	---	---	---	---
Y-MED 1	1	<5.0	---	---	---	---
Y-MED 2	2	<5.0	---	---	---	8.4
Y-MED 3	3	<5.0	---	---	---	---
Y-MED 4	4	<5.0	---	---	---	---
Z-MED 1	1	<5.0	---	---	---	---
Z-MED 2	2	8.0	---	---	---	---
Z-MED 3	3	280	11	<0.25	---	---
Z-MED 4	4	5.7	---	---	---	---
AA-MED 1	1	4.3	---	---	---	---
AA-MED 2	2	4.0	---	---	---	---
AA-MED 3	3	7.4	---	---	---	---
AA-MED 4	4	7.0	---	---	---	7.9
AB-MED 1	1	<5.0	---	---	---	---
AB-MED 2	2	31	---	---	---	---
AB-MED 3	3	9.2	---	---	---	---
AB-MED 4	4	<5.0	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AC-MED 1	1	30	---	---	---	---
AC-MED 2	2	3.4	---	---	---	---
AC-MED 3	3	13	---	---	---	---
AC-MED 4	4	11	---	---	---	---
AD-MED 1	1	<5.0	---	---	---	---
AD-MED 2	2	<5.0	---	---	---	8.2
AD-MED 3	3	130	13	<0.25	---	---
AD-MED 4	4	100	4.6	---	---	---
AE-MED 1	1	<5.0	---	---	---	---
AE-MED 2	2	6.5	---	---	---	---
AE-MED 3	3	7.6	---	---	---	---
AE-MED 4	4	7.4	---	---	---	---
AF-MED 1	1	4.0	---	---	---	---
AF-MED 2	2	5.2	---	---	---	---
AF-MED 3	3	6.9	---	---	---	---
AF-MED 4	4	3.8	---	---	---	8.6
AG-MED 1	1	<5.0	---	---	---	---
AG-MED 2	2	8.3	---	---	---	---
AG-MED 3	3	7.5	---	---	---	---
AG-MED 4	4	6.6	---	---	---	---
AH-MED 1	1	<5.0	---	---	---	---
AH-MED 2	2	9.9	---	---	---	---
AH-MED 3	3	14	---	---	---	---
AH-MED 4	4	11	---	---	---	---
AI-MED 1	1	3.2	---	---	---	---
AI-MED 2	2	5.3	---	---	---	8.2
AI-MED 3	3	10	---	---	---	---
AI-MED 4	4	8.2	---	---	---	---
AJ-MED 1	1	<5.0	---	---	---	---
AJ-MED 2	2	11	---	---	---	---
AJ-MED 3	3	6.9	---	---	---	---
AJ-MED 4	4	<5.0	---	---	---	---
AK-MED 1	1	5.6	---	---	---	---
AK-MED 2	2	<5.0	---	---	---	---
AK-MED 3	3	7.1	---	---	---	---
AK-MED 4	4	6.5	---	---	---	8.4
AL-MED 1	1	12	---	---	---	---
AL-MED 2	2	40	---	---	---	---
AL-MED 3	3	6.5	---	---	---	---
AL-MED 4	4	8.5	---	---	---	---
AM-MED 1	1	<5.0	---	---	---	---
AM-MED 2	2	<5.0	---	---	---	---
AM-MED 3	3	<5.0	---	---	---	---
AM-MED 4	4	5.6	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
AN-MED 1	1	17	---	---	---	---
AN-MED 2	2	4.8	---	---	---	7.9
AN-MED 3	3	150	0.35	---	---	---
AN-MED 4	4	120	<0.25	---	---	---
AO-MED 1	1	<5.0	---	---	---	8.2
AO-MED 2	2	<5.0	---	---	---	---
AO-MED 3	3	<5.0	---	---	---	---
AO-MED 4	4	5.7	---	---	---	---
AP-MED 1	1	<5.0	---	---	---	---
AP-MED 2	2	<5.0	---	---	---	---
AP-MED 3	3	6.0	---	---	---	---
AP-MED 4	4	18	---	---	---	---
AQ-MED 1	1	3.8	---	---	---	---
AQ-MED 2	2	3.4	---	---	---	8.2
AQ-MED 3	3	3.6	---	---	---	---
AQ-MED 4	4	11	---	---	---	---
AZ1-L 0.5	0.5	1,300	---	---	0.97	---
AZ1-L 1	1	100	7.9	<0.25	---	---
AZ1-L 2	2	15	---	---	---	---
AZ1-L 3	3	18	---	---	---	---
AZ1-L 3.5	3.5	35	---	---	---	---
BA1-L 0.5	0.5	620	---	---	0.59	---
BA1-L 1	1	220	19	<0.25	---	---
BA1-L 2	2	21	---	---	---	8.1
BA1-L 3	3	6.6	---	---	---	---
BA1-L 3.5	3.5	13	---	---	---	---
BB1-L 0.5	0.5	720	---	---	0.69	---
BB1-L 1	1	100	4.8	---	---	---
BB1-L 2	2	20	---	---	---	---
BB1-L 3	3	16	---	---	---	---
BB1-L 3.5	3.5	730	---	---	0.44	---
BBL-RW5 1	1	<5.0	---	---	---	---
BBL-RW5 2	2	<5.0	---	---	---	---
BBL-RW5 3	3	7.1	---	---	---	8.1
BBL-RW5 4	4	18	---	---	---	---
BBL-RW5 30	30	<5.0	---	---	---	---
BCL-RW5 1	1	<5.0	---	---	---	---
BCL-RW5 2	2	6.5	---	---	---	---
BCL-RW5 3	3	6.7	---	---	---	---
BCL-RW5 4	4	7.0	---	---	---	---
BCL-RW5 30	30	7.0	---	---	---	---
BD1-L 1	1	<5.0	---	---	---	---
BD1-L 2	2	<5.0	---	---	---	---
BD1-L 3	3	8.7	---	---	---	---
BD1-L 4	4	28	---	---	---	---

TABLE 2
Summary of Lead and pH Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	DI-WET Lead (mg/l)	TCLP Lead (mg/l)	pH
BEL-RW6 1	1	3.4	---	---	---	8.2
BEL-RW6 2	2	3.4	---	---	---	---
BEL-RW6 3	3	5.4	---	---	---	---
BEL-RW6 4	4	14	---	---	---	---
BEL-RW6 30	30	7.6	---	---	---	---
BFL-RW6 1	1	<5.0	---	---	---	---
BFL-RW6 2	2	8.0	---	---	---	---
BFL-RW6 3	3	6.7	---	---	---	---
BFL-RW6 4	4	6.0	---	---	---	---
BFL-RW6 30	30	8.0	---	---	---	---
BIL-RW7 1	1	4.7	---	---	---	---
BIL-RW7 2	2	4.0	---	---	---	---
BIL-RW7 3	3	45	---	---	---	8.1
BIL-RW7 4	4	9.7	---	---	---	---
BIL-RW7 30	30	6.9	---	---	---	---
BJL-RW7 1	1	<5.0	---	---	---	---
BJL-RW7 2	2	<5.0	---	---	---	---
BJL-RW7 3	3	14	---	---	---	---
BJL-RW7 4	4	12	---	---	---	---
BJL-RW7 30	30	5.4	---	---	---	---
BKL-RW7 1	1	3.2	---	---	---	---
BKL-RW7 2	2	2.9	---	---	---	---
BKL-RW7 3	3	18	---	---	---	---
BKL-RW7 4	4	14	---	---	---	---
BKL-RW7 30	30	8.0	---	---	---	---
BLL-RW7 1	1	<5.0	---	---	---	8.6
BLL-RW7 2	2	<5.0	---	---	---	---
BLL-RW7 3	3	23	---	---	---	---
BLL-RW7 4	4	16	---	---	---	---
BLL-RW7 30	30	<5.0	---	---	---	---
BML-RW7 1	1	4.6	---	---	---	---
BML-RW7 2	2	50	1.5	---	---	---
BML-RW7 3	3	30	---	---	---	---
BML-RW7 4	4	16	---	---	---	---
BML-RW7 30	30	6.8	---	---	---	---

Notes:

mg/kg = milligrams per kilogram mg/l = milligrams per liter

WET = Waste Extraction Test using citric acid as the extraction fluid

DI-WET = Waste Extraction Test using deionized water as the extraction fluid

TCLP = Toxicity Characterisitic Leaching Procedure --- = Not analyzed

< = Analyte was not detected above the laboratory reporting limit

TABLE 3
Summary of CAM17 Metals Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Eastbound Shoulder Borings																			
A1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	250	---	---	---	---	---	---	---	---
A2-R 0.5	0.5	<2.0	2.9	230	<1.0	<1.0	22	---	9.8	23	190	0.35	<1.0	23	<1.0	<1.0	<1.0	44	120
A2-R 1	1	<2.0	4.5	240	<1.0	<1.0	21	---	9.2	17	220	<0.10	<1.0	21	<1.0	<1.0	<1.0	43	65
A2-R 2	2	<2.0	3.4	200	<1.0	<1.0	20	---	9.8	15	110	<0.10	<1.0	19	<1.0	<1.0	<1.0	51	58
B1-R 0.5	0.5	<2.0	9.6	130	<1.0	<1.0	11	---	5.0	12	6.5	<0.10	<1.0	20	<1.0	<1.0	<1.0	27	41
B1-R 1	1	<2.0	1.2	160	<1.0	<1.0	9.4	---	6.8	9.7	6.5	<0.10	<1.0	9.6	<1.0	<1.0	<1.0	20	29
B1-R 2	2	<2.0	1.4	150	<1.0	<1.0	10	---	3.8	16	6.7	<0.10	<1.0	10	<1.0	<1.0	<1.0	22	30
B1-R 3	3	<2.0	<1.0	84	<1.0	<1.0	8.6	---	5.2	13	6.7	<0.10	<1.0	11	<1.0	<1.0	<1.0	24	28
B1-R 4	4	<2.0	2.6	91	1.5	<1.0	10	---	16	27	8.2	<0.10	1.1	26	<1.0	<1.0	1.1	26	60
B1-R 6	6	<2.0	<1.0	95	<1.0	<1.0	11	---	4.2	9.1	5.4	<0.10	<1.0	8.8	<1.0	<1.0	<1.0	27	30
D1-R 0.5	0.5	<2.0	1.8	110	<1.0	<1.0	15	---	7.6	17	17	<0.10	<1.0	16	<1.0	<1.0	<1.0	50	46
D1-R 1	1	<2.0	2.2	100	<1.0	<1.0	15	---	5.9	17	17	<0.10	<1.0	13	<1.0	<1.0	<1.0	37	35
D1-R 2	2	<2.0	2.1	170	<1.0	<1.0	15	---	5.4	12	13	<0.10	<1.0	13	<1.0	<1.0	<1.0	35	36
D1-R 3	3	<2.0	2.5	170	<1.0	<1.0	17	---	5.4	12	12	<0.10	<1.0	13	<1.0	<1.0	<1.0	38	28
D1-R 4	4	<2.0	<1.0	600	<1.0	<1.0	10	---	7.4	24	8.4	<0.10	<1.0	15	<1.0	<1.0	<1.0	33	47
D1-R 6	6	<2.0	1.2	110	<1.0	<1.0	16	---	6.3	16	11	<0.10	<1.0	16	<1.0	<1.0	<1.0	34	46
F1-R 0.5	0.5	---	---	---	---	---	---	0.17	---	---	6.1	---	---	---	---	---	---	---	---
G2-R 0.5	0.5	<2.0	4.9	130	<1.0	<1.0	28	---	9.4	200	320	1.2	1.8	33	1.1	<1.0	<1.0	40	100
G2-R 1	1	<2.0	8.6	65	<1.0	<1.0	18	---	5.9	43	14	0.53	<1.0	20	<1.0	<1.0	<1.0	21	69
G2-R 2	2	<2.0	7.9	320	<1.0	<1.0	17	---	30	45	42	0.78	1.3	76	<1.0	<1.0	<1.0	22	78
G2-R 3	3	<2.0	8.2	69	<1.0	<1.0	16	---	8.0	32	13	1.0	<1.0	25	<1.0	<1.0	<1.0	21	69
G2-R 4	4	<2.0	6.4	35	<1.0	<1.0	18	---	2.8	48	14	0.91	<1.0	13	<1.0	<1.0	<1.0	24	74
G2-R 6	6	<2.0	8.1	60	<1.0	<1.0	25	---	16	48	42	0.51	<1.0	39	<1.0	<1.0	<1.0	35	91
J1-R 0.5	0.5	<2.0	<1.0	110	<1.0	<1.0	29	<0.10	11	30	340	0.12	1.0	21	<1.0	<1.0	<1.0	110	97
J1-R 1	1	<2.0	<1.0	95	<1.0	<1.0	13	---	9.7	19	5.8	<0.10	1.2	12	<1.0	<1.0	<1.0	120	40
J1-R 2	2	<2.0	2.5	64	<1.0	<1.0	23	---	9.4	8.6	3.6	0.14	<1.0	18	<1.0	<1.0	<1.0	48	45
M2-R 0.5	0.5	<2.0	7.1	110	<1.0	<1.0	27	---	8.6	25	43	0.12	<1.0	39	<1.0	<1.0	<1.0	32	77
M2-R 1	1	<2.0	5.7	110	<1.0	<1.0	26	---	9.0	26	10	<0.10	<1.0	42	<1.0	<1.0	<1.0	30	66
M2-R 2	2	<2.0	3.4	78	<1.0	<1.0	22	---	6.1	5.3	5.1	0.23	<1.0	21	<1.0	<1.0	1.5	28	30
N1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	200	---	---	---	---	---	---	---	---

TABLE 3
Summary of CAM17 Metals Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
N2-R 0.5	0.5	<2.0	5.6	110	<1.0	<1.0	33	---	9.7	40	220	0.17	1.3	40	<1.0	<1.0	<1.0	39	140
N2-R 1	1	<2.0	5.8	100	<1.0	<1.0	32	---	10	33	50	<0.10	<1.0	47	<1.0	<1.0	<1.0	41	93
N2-R 2	2	<2.0	<1.0	40	<1.0	<1.0	23	---	5.1	11	4.3	<0.10	<1.0	34	<1.0	<1.0	<1.0	14	24
N2-R 3	3	<2.0	<1.0	65	<1.0	<1.0	33	---	8.0	16	5.0	<0.10	<1.0	53	<1.0	<1.0	<1.0	21	36
N2-R 4	4	<2.0	7.1	96	<1.0	<1.0	34	---	13	38	11	<0.10	<1.0	70	<1.0	<1.0	<1.0	46	110
N2-R 6	6	<2.0	6.2	97	<1.0	<1.0	29	---	14	43	15	<0.10	<1.0	86	<1.0	<1.0	<1.0	50	140
P1-R 0.5	0.5	2.0	<1.0	72	<1.0	<1.0	20	---	9.6	18	47	<0.10	<1.0	21	<1.0	<1.0	<1.0	70	55
P1-R 1	1	<2.0	2.3	44	<1.0	<1.0	22	---	8.2	8.7	4.1	<0.10	<1.0	17	<1.0	<1.0	<1.0	55	38
P1-R 2	2	<2.0	1.8	40	<1.0	<1.0	23	---	7.7	6.6	2.6	<0.10	<1.0	17	<1.0	<1.0	<1.0	48	37
R1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	20	---	---	---	---	---	---	---	---
R2-R 0.5	0.5	<2.0	6.5	100	<1.0	<1.0	28	---	11	32	230	0.16	<1.0	29	<1.0	<1.0	<1.0	53	140
R2-R 1	1	<2.0	5.3	86	<1.0	<1.0	26	---	11	26	38	0.11	<1.0	27	<1.0	<1.0	<1.0	49	68
R2-R 2	2	<2.0	1.7	55	<1.0	<1.0	26	---	11	16	3.5	<0.10	<1.0	23	<1.0	<1.0	<1.0	46	59
R2-R 3	3	<2.0	1.1	51	<1.0	<1.0	23	---	11	15	3.1	<0.10	<1.0	23	<1.0	<1.0	<1.0	47	57
U1-R 0.5	0.5	<2.0	8.2	120	<1.0	<1.0	24	---	11	34	290	0.18	<1.0	27	<1.0	<1.0	<1.0	61	240
U1-R 1	1	<2.0	7.5	130	<1.0	<1.0	22	---	8.6	29	420	<0.10	<1.0	25	<1.0	<1.0	<1.0	57	230
U1-R 2	2	<2.0	4.3	110	<1.0	<1.0	34	---	7.8	20	23	<0.10	<1.0	51	<1.0	<1.0	<1.0	28	36
U1-R 3	3	<2.0	4.6	110	<1.0	<1.0	19	---	6.4	20	73	<0.10	<1.0	31	<1.0	<1.0	<1.0	39	67
U1-R 4	4	<2.0	5.3	46	<1.0	<1.0	25	---	8.4	12	3.7	0.26	<1.0	19	<1.0	<1.0	<1.0	63	47
U1-R 6	6	<2.0	5.5	69	<1.0	<1.0	24	---	8.4	29	6.5	0.36	<1.0	27	<1.0	<1.0	<1.0	47	64
V1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	180	---	---	---	---	---	---	---	---
X1-RW2 0.5	0.5	<2.0	7.8	120	<1.0	<1.0	26	---	10	46	220	0.39	<1.0	33	<1.0	<1.0	<1.0	51	440
X1-RW2 1	1	<2.0	11	70	<1.0	<1.0	19	---	11	33	14	0.54	<1.0	29	<1.0	<1.0	<1.0	32	70
X1-RW2 2	2	<2.0	8.6	76	<1.0	<1.0	20	---	8.9	29	160	0.64	<1.0	26	<1.0	<1.0	<1.0	40	260
X1-RW2 3	3	<2.0	11	68	<1.0	<1.0	20	---	11	29	23	0.55	<1.0	26	<1.0	<1.0	<1.0	36	81
X1-RW2 4	4	<2.0	11	78	<1.0	<1.0	23	---	16	38	38	0.59	<1.0	32	<1.0	<1.0	<1.0	40	100
X1-RW2 6	6	<2.0	7.6	62	<1.0	<1.0	20	---	8.0	27	8.2	1.0	<1.0	24	<1.0	<1.0	<1.0	35	63
Y1-RW2 0.5	0.5	<2.0	7.3	67	<1.0	<1.0	23	---	10	18	7.7	0.51	<1.0	21	<1.0	<1.0	<1.0	49	58
Y1-RW2 1	1	<2.0	5.8	72	<1.0	<1.0	26	---	8.9	22	20	0.46	<1.0	23	<1.0	<1.0	<1.0	45	65
Y1-RW2 2	2	<2.0	9.8	67	<1.0	<1.0	20	---	7.5	43	12	0.44	<1.0	25	<1.0	<1.0	<1.0	36	77
Y1-RW2 3	3	<2.0	4.8	87	<1.0	<1.0	23	---	9.4	29	7.2	0.26	<1.0	23	<1.0	<1.0	<1.0	44	55
Y1-RW2 4	4	<2.0	5.6	94	<1.0	<1.0	24	---	10	19	5.7	0.22	<1.0	24	<1.0	<1.0	<1.0	48	53
Y1-RW2 6	6	<2.0	4.9	99	<1.0	<1.0	25	---	10	19	5.8	0.26	<1.0	27	<1.0	<1.0	<1.0	47	52

TABLE 3
Summary of CAM17 Metals Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
AA1-R 0.5	0.5	<2.0	5.3	130	<1.0	<1.0	25	---	9.5	34	280	0.28	<1.0	28	<1.0	<1.0	<1.0	46	210
AA1-R 1	1	<2.0	4.5	90	<1.0	<1.0	24	---	11	23	7.1	0.43	<1.0	26	<1.0	<1.0	<1.0	48	59
AA1-R 2	2	<2.0	4.5	67	<1.0	<1.0	22	---	10	21	8.2	0.23	<1.0	26	<1.0	<1.0	<1.0	41	53
AA1-R 3	3	<2.0	4.7	70	<1.0	1.3	21	---	10	36	13	0.22	<1.0	25	1.2	<1.0	<1.0	58	75
AA1-R 4	4	<2.0	4.1	72	<1.0	<1.0	20	---	13	21	5.1	0.20	<1.0	30	<1.0	<1.0	<1.0	40	57
AA1-R 6	6	<2.0	5.0	66	<1.0	<1.0	23	---	11	29	7.4	0.26	<1.0	25	<1.0	<1.0	<1.0	45	60
AC2-R 0.5	0.5	<2.0	5.7	84	<1.0	<1.0	20	---	11	25	26	0.29	<1.0	27	<1.0	<1.0	<1.0	38	70
AC2-R 1	1	<2.0	5.7	90	<1.0	<1.0	19	---	13	21	11	0.36	<1.0	30	<1.0	<1.0	<1.0	36	65
AC2-R 2	2	<2.0	2.8	100	<1.0	<1.0	16	---	13	18	5.2	0.22	<1.0	29	1.3	<1.0	<1.0	32	55
AC2-R 3	3	<2.0	3.0	240	<1.0	<1.0	18	---	13	18	5.6	0.20	<1.0	29	1.1	<1.0	<1.0	28	56
AC2-R 4	4	<2.0	6.0	84	<1.0	<1.0	18	---	11	28	8.1	0.31	<1.0	25	<1.0	<1.0	<1.0	26	60
AC2-R 6	6	<2.0	7.6	52	<1.0	<1.0	23	---	17	39	11	0.21	<1.0	40	<1.0	<1.0	<1.0	40	86
AD1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	<5.0	---	---	---	---	---	---	---	---
AF1-R 0.5	0.5	<2.0	6.5	68	<1.0	<1.0	22	---	9.8	30	18	0.86	<1.0	27	<1.0	<1.0	<1.0	36	68
AF1-R 1	1	<2.0	6.7	350	<1.0	<1.0	24	---	21	37	14	0.27	<1.0	37	1.5	<1.0	<1.0	38	84
AF1-R 2	2	<2.0	4.4	79	<1.0	<1.0	21	---	10	24	10	0.55	<1.0	24	<1.0	<1.0	<1.0	41	76
AF1-R 3	3	<2.0	5.2	70	<1.0	<1.0	18	---	7.4	21	5.9	0.39	<1.0	20	1.2	<1.0	<1.0	32	52
AF1-R 4	4	<2.0	4.3	110	<1.0	<1.0	20	---	8.2	16	5.4	0.17	<1.0	21	<1.0	<1.0	<1.0	41	53
AF1-R 6	6	<2.0	2.7	48	<1.0	<1.0	16	---	6.1	11	7.4	0.20	<1.0	16	<1.0	<1.0	<1.0	31	38
AH1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	<5.0	---	---	---	---	---	---	---	---
Al2-R 0.5	0.5	<2.0	6.7	120	<1.0	<1.0	22	---	16	29	16	0.52	<1.0	33	<1.0	<1.0	<1.0	42	69
Al2-R 1	1	<2.0	8.0	130	<1.0	<1.0	22	---	9.9	24	14	0.45	<1.0	26	<1.0	<1.0	<1.0	46	62
Al2-R 2	2	<2.0	7.2	92	<1.0	<1.0	21	---	8.9	19	16	0.47	<1.0	24	<1.0	<1.0	<1.0	46	56
Al2-R 3	3	<2.0	8.0	110	<1.0	<1.0	24	---	8.5	32	23	0.38	<1.0	23	<1.0	<1.0	<1.0	44	130
Al2-R 4	4	<2.0	5.1	140	<1.0	<1.0	24	---	6.7	19	67	0.44	<1.0	25	<1.0	<1.0	<1.0	35	61
Al2-R 6	6	<2.0	3.6	91	<1.0	<1.0	34	---	6.5	21	17	<0.10	<1.0	47	<1.0	<1.0	<1.0	25	32
AJ2-R 0.5	0.5	<2.0	6.0	70	<1.0	<1.0	19	---	7.9	21	21	0.62	<1.0	22	<1.0	<1.0	<1.0	40	280
AJ2-R 1	1	<2.0	2.5	90	<1.0	<1.0	11	---	6.6	14	3.2	<0.10	<1.0	12	<1.0	<1.0	<1.0	61	35
AJ2-R 2	2	<2.0	7.0	98	<1.0	<1.0	19	---	6.7	12	3.3	0.46	<1.0	15	<1.0	<1.0	<1.0	41	39
AJ2-R 3	3	<2.0	5.7	75	<1.0	<1.0	25	---	8.7	22	4.6	0.16	<1.0	23	<1.0	<1.0	<1.0	46	61
AJ2-R 4	4	<2.0	5.9	58	<1.0	<1.0	22	---	11	13	2.9	0.12	<1.0	21	<1.0	<1.0	<1.0	37	50
AJ2-R 6	6	<2.0	3.8	83	<1.0	<1.0	24	---	11	21	5.0	0.13	<1.0	24	<1.0	<1.0	<1.0	39	57

TABLE 3
Summary of CAM17 Metals Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
AL1-R 0.5	0.5	<2.0	6.3	71	<1.0	<1.0	20	<0.10	8.9	18	36	0.64	<1.0	22	<1.0	<1.0	<1.0	43	58
AL1-R 1	1	<2.0	7.4	110	<1.0	<1.0	23	---	9.3	27	14	0.45	<1.0	27	<1.0	<1.0	<1.0	40	64
AL1-R 2	2	<2.0	5.9	72	<1.0	<1.0	22	---	8.3	21	9.0	<0.10	<1.0	21	<1.0	<1.0	<1.0	40	61
AL1-R 3	3	<2.0	7.5	96	<1.0	<1.0	25	---	11	32	33	<0.10	<1.0	28	<1.0	<1.0	<1.0	40	76
AL1-R 4	4	<2.0	7.4	94	<1.0	<1.0	21	---	8.9	23	11	<0.10	<1.0	20	<1.0	<1.0	<1.0	42	61
AL1-R 6	6	<2.0	7.3	150	<1.0	<1.0	25	---	9.6	24	9.2	<0.10	<1.0	25	<1.0	<1.0	<1.0	44	59
AN2-R 0.5	0.5	<2.0	7.1	90	<1.0	<1.0	22	---	9.1	20	12	0.19	<1.0	23	<1.0	<1.0	<1.0	47	61
AN2-R 1	1	<2.0	5.2	78	<1.0	<1.0	27	---	8.7	14	3.9	0.10	<1.0	22	<1.0	<1.0	<1.0	50	53
AN2-R 2	2	<2.0	6.4	84	<1.0	<1.0	25	---	9.4	20	7.2	<0.10	<1.0	23	<1.0	<1.0	<1.0	47	59
AN2-R 3	3	<2.0	9.7	63	<1.0	<1.0	22	---	7.5	15	9.4	0.17	<1.0	20	<1.0	<1.0	<1.0	44	58
AN2-R 4	4	<2.0	10	85	<1.0	<1.0	28	---	10	42	9.6	<0.10	<1.0	32	<1.0	<1.0	<1.0	41	85
AN2-R 6	6	<2.0	7.5	98	<1.0	<1.0	32	---	13	38	9.3	0.15	<1.0	32	1.1	<1.0	<1.0	42	77
AP1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	270	---	---	---	---	---	---	---	---
AT1-R 0.5	0.5	<2.0	<1.0	95	<1.0	<1.0	11	<0.10	8.8	23	22	<0.10	<1.0	13	<1.0	<1.0	<1.0	59	44
AT1-R 1	1	<2.0	<1.0	78	<1.0	<1.0	16	---	11	14	3.5	<0.10	<1.0	15	<1.0	<1.0	<1.0	100	36
AT1-R 2	2	<2.0	1.0	110	<1.0	<1.0	15	---	10	14	4.1	<0.10	<1.0	17	1.0	<1.0	<1.0	77	36
AT1-R 3	3	<2.0	<1.0	72	<1.0	<1.0	25	---	7.2	14	2.8	<0.10	<1.0	44	<1.0	<1.0	<1.0	23	29
AT1-R 4	4	<2.0	4.6	220	<1.0	<1.0	29	---	13	42	9.3	0.15	<1.0	39	1.3	<1.0	<1.0	43	80
AT1-R 6	6	<2.0	7.3	180	<1.0	1.4	30	---	20	44	11	0.12	<1.0	50	1.4	<1.0	<1.0	46	79
AT5-R 0.5	0.5	<2.0	6.6	160	<1.0	<1.0	25	---	12	30	8.0	<0.10	<1.0	31	<1.0	<1.0	<1.0	48	59
AT5-R 1	1	<2.0	6.2	83	<1.0	<1.0	25	---	11	25	8.7	<0.10	<1.0	26	<1.0	<1.0	<1.0	46	63
AT5-R 2	2	<2.0	7.4	75	<1.0	<1.0	24	---	12	26	7.9	<0.10	<1.0	28	<1.0	<1.0	<1.0	42	64
AT5-R 3	3	<2.0	10	110	<1.0	<1.0	28	---	14	35	9.1	0.13	<1.0	31	<1.0	<1.0	<1.0	43	76
AT5-R 4	4	<2.0	7.7	140	<1.0	<1.0	26	---	11	35	8.7	<0.10	<1.0	30	<1.0	<1.0	<1.0	42	69
AT5-R 6	6	<2.0	6.1	95	<1.0	<1.0	27	---	8.8	29	13	<0.10	<1.0	32	1.0	<1.0	<1.0	38	64
AU1-R 0.5	0.5	<2.0	<1.0	87	<1.0	<1.0	14	---	9.7	17	5.6	<0.10	<1.0	13	<1.0	<1.0	<1.0	69	39
AU1-R 1	1	<2.0	<1.0	60	<1.0	<1.0	17	---	12	15	3.4	<0.10	<1.0	15	1.3	<1.0	<1.0	86	38
AU1-R 2	2	<2.0	<1.0	59	<1.0	<1.0	16	---	11	13	3.2	<0.10	<1.0	14	<1.0	<1.0	<1.0	75	34
AU1-R 3	3	<2.0	2.7	140	<1.0	<1.0	21	---	13	13	2.5	<0.10	3.9	12	5.0	<1.0	<1.0	100	38
AU1-R 4	4	<2.0	<1.0	130	<1.0	<1.0	21	---	12	13	2.7	<0.10	3.9	14	3.3	<1.0	<1.0	87	42
AU4-R 0.5	0.5	<2.0	8.8	100	<1.0	<1.0	28	---	12	34	68	<0.10	<1.0	30	1.4	<1.0	<1.0	46	130
AU4-R 1	1	<2.0	6.1	130	<1.0	<1.0	25	---	11	25	13	<0.10	<1.0	27	<1.0	<1.0	<1.0	46	63
AU4-R 2	2	<2.0	7.8	130	<1.0	<1.0	28	---	12	29	17	<0.10	<1.0	29	1.1	<1.0	<1.0	50	74

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Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
AW1-RAMP 0.5	0.5	<2.0	4.4	82	<1.0	<1.0	12	---	8.8	20	63	<0.10	<1.0	15	<1.0	<1.0	2.4	80	46
AW1-RAMP 1	1	<2.0	4.5	84	<1.0	<1.0	17	---	8.6	19	9.9	<0.10	<1.0	18	<1.0	<1.0	2.0	92	43
AW1-RAMP 2	2	<2.0	9.0	110	<1.0	<1.0	24	---	12	30	28	<0.10	<1.0	32	<1.0	<1.0	<1.0	39	67
AW1-RAMP 3	3	<2.0	8.6	95	<1.0	<1.0	22	---	8.3	29	8.6	<0.10	<1.0	25	<1.0	<1.0	<1.0	40	59
AW1-RAMP 4	4	<2.0	8.1	77	<1.0	<1.0	24	---	10	31	8.8	<0.10	<1.0	30	<1.0	<1.0	<1.0	42	69
AW1-RAMP 6	6	<2.0	11	150	<1.0	<1.0	20	---	8.6	22	6.9	<0.10	<1.0	22	<1.0	<1.0	<1.0	45	52
AW1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	130	---	---	---	---	---	---	---	---
AW2-R 0.5	0.5	<2.0	21	110	<1.0	<1.0	25	---	11	31	17	<0.10	<1.0	29	<1.0	<1.0	<1.0	52	76
AW2-R 1	1	<2.0	9.1	90	<1.0	<1.0	25	---	10	29	16	<0.10	<1.0	29	<1.0	<1.0	<1.0	47	73
AY1-R 0.5	0.5	<2.0	6.8	150	<1.0	<1.0	24	---	7.0	92	190	<0.10	<1.0	31	<1.0	<1.0	<1.0	33	170
AY1-R 1	1	<2.0	2.6	72	<1.0	<1.0	14	---	4.0	11	6.9	<0.10	<1.0	22	<1.0	<1.0	<1.0	19	25
AY1-R 2	2	<2.0	4.2	100	<1.0	<1.0	16	---	6.8	23	6.1	<0.10	<1.0	14	<1.0	<1.0	3.5	85	49
AY1-R 3	3	<2.0	6.4	59	<1.0	<1.0	18	---	7.4	13	6.0	<0.10	<1.0	17	<1.0	<1.0	<1.0	38	45
AY1-R 4	4	<2.0	9.9	140	<1.0	<1.0	26	---	11	34	72	<0.10	<1.0	31	<1.0	<1.0	<1.0	46	100
AY1-R 6	6	<4.0	8.9	150	<2.0	<2.0	31	---	14	39	9.9	0.12	<2.0	36	<2.0	<2.0	<2.0	54	85
BA1-RW3 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	14	---	---	---	---	---	---	---	---
BB1-RW3 0.5	0.5	<2.0	<1.0	100	<1.0	<1.0	19	---	5.8	14	30	<0.10	<1.0	26	<1.0	<1.0	<1.0	23	33
BB1-RW3 1	1	<2.0	5.8	99	<1.0	<1.0	33	---	9.6	28	54	<0.10	<1.0	39	<1.0	<1.0	<1.0	36	60
BB1-RW3 2	2	<2.0	4.7	93	<1.0	<1.0	24	---	11	21	5.0	0.17	<1.0	23	<1.0	<1.0	<1.0	58	55
BB1-RW3 3	3	<2.0	11	110	<1.0	1.0	33	---	13	38	9.4	<0.10	<1.0	36	<1.0	<1.0	<1.0	51	88
BB1-RW3 4	4	<2.0	8.2	110	<1.0	<1.0	31	---	11	35	8.2	<0.10	<1.0	35	<1.0	<1.0	<1.0	50	75
BE1-RW3 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	12	---	---	---	---	---	---	---	---
BE2-RW3 0.5	0.5	<2.0	4.6	120	<1.0	<1.0	28	---	12	30	43	<0.10	<1.0	29	<1.0	<1.0	<1.0	62	71
BE2-RW3 1	1	<2.0	11	110	<1.0	<1.0	29	---	15	34	14	0.11	<1.0	33	3.1	<1.0	<1.0	46	80
BE2-RW3 2	2	<2.0	6.6	95	<1.0	<1.0	24	---	11	24	5.5	<0.10	<1.0	28	<1.0	<1.0	<1.0	41	65
BE2-RW3 3	3	<2.0	5.5	110	<1.0	<1.0	27	---	11	24	5.7	<0.10	<1.0	29	1.1	<1.0	<1.0	38	63
BE2-RW3 4	4	<2.0	5.2	130	<1.0	1.2	28	---	11	32	7.8	0.11	<1.0	28	1.1	<1.0	<1.0	45	63
BE2-RW3 6	6	<2.0	11	130	<1.0	<1.0	28	---	9.9	30	7.7	0.11	<1.0	25	<1.0	<1.0	<1.0	50	64
BF2-RW3 0.5	0.5	<2.0	11	110	<1.0	<1.0	25	---	11	36	10	<0.10	<1.0	30	<1.0	<1.0	<1.0	40	80
BF2-RW3 1	1	<2.0	12	92	<1.0	<1.0	27	---	8.9	37	9.0	<0.10	<1.0	26	<1.0	<1.0	<1.0	41	76
BF2-RW3 2	2	<2.0	9.5	110	<1.0	<1.0	28	---	9.8	39	9.3	0.12	<1.0	33	<1.0	<1.0	<1.0	39	79
BF2-RW3 3	3	<2.0	11	100	<1.0	<1.0	27	---	10	37	10	0.12	<1.0	30	<1.0	<1.0	<1.0	39	75
BF2-RW3 4	4	<2.0	10	110	<1.0	<1.0	29	---	15	38	9.7	<0.10	<1.0	46	<1.0	<1.0	<1.0	41	81
BF2-RW3 6	6	<2.0	11	210	<1.0	<1.0	36	---	23	46	9.8	0.11	<1.0	54	1.0	<1.0	<1.0	52	91
BF2-RW3 8	8	<2.0	10	96	<1.0	<1.0	34	---	7.5	51	9.7	<0.10	<1.0	32	<1.0	<1.0	<1.0	47	83

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Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
BH1-R 0.5	0.5	<2.0	4.1	99	<1.0	<1.0	17	---	6.0	18	19	<0.10	<1.0	22	<1.0	<1.0	<1.0	41	52
BH1-R 1	1	<2.0	3.2	70	<1.0	<1.0	24	---	5.3	20	56	<0.10	<1.0	41	<1.0	<1.0	<1.0	32	36
BH1-R 2	2	<2.0	3.0	91	<1.0	<1.0	13	---	9.3	16	3.3	<0.10	<1.0	16	<1.0	<1.0	1.6	80	41
BH1-R 3	3	<2.0	1.9	88	<1.0	<1.0	11	---	5.5	16	4.2	<0.10	<1.0	12	<1.0	<1.0	1.6	65	36
BH1-R 4	4	<2.0	10	98	<1.0	<1.0	31	---	16	48	12	<0.10	<1.0	28	<1.0	<1.0	<1.0	44	82
BH1-R 6	6	<2.0	16	97	<1.0	<1.0	30	---	14	28	6.9	0.12	<1.0	50	<1.0	<1.0	<1.0	48	74
BI1-R 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	18	---	---	---	---	---	---	---	---
BK2-RW4 0.5	0.5	<2.0	7.7	140	<1.0	<1.0	30	---	16	51	25	<0.10	<1.0	41	1.0	<1.0	<1.0	38	130
BK2-RW4 1	1	<2.0	12	160	<1.0	<1.0	25	---	18	34	8.9	<0.10	<1.0	44	1.4	<1.0	<1.0	36	87
BK2-RW4 2	2	<2.0	8.2	210	<1.0	<1.0	24	---	14	35	9.6	<0.10	<1.0	41	2.1	<1.0	<1.0	33	81
BK2-RW4 3	3	<2.0	5.7	120	<1.0	<1.0	28	---	9.8	30	22	0.76	<1.0	45	<1.0	<1.0	<1.0	32	80
BK2-RW4 4	4	<2.0	5.0	170	<1.0	<1.0	26	---	12	38	9.1	<0.10	<1.0	27	1.3	<1.0	<1.0	38	93
BL1-RW4 0.5	0.5	<2.0	3.1	81	<1.0	<1.0	21	---	5.9	28	150	0.12	<1.0	32	<1.0	<1.0	<1.0	29	65
BL1-RW4 1	1	<2.0	2.4	62	<1.0	<1.0	20	---	5.4	14	5.0	<0.10	<1.0	36	<1.0	<1.0	<1.0	26	24
BL1-RW4 2	2	<2.0	3.7	98	<1.0	<1.0	28	---	7.4	18	18	<0.10	<1.0	39	<1.0	<1.0	<1.0	42	39
BL1-RW4 3	3	<2.0	8.5	110	<1.0	<1.0	29	---	14	36	8.4	0.10	<1.0	33	<1.0	<1.0	<1.0	51	76
BL1-RW4 4	4	<2.0	9.3	130	<1.0	<1.0	27	---	11	35	9.2	<0.10	<1.0	32	<1.0	<1.0	<1.0	39	70
BL1-RW4 6	6	<2.0	9.8	220	<1.0	<1.0	28	---	20	44	11	<0.10	<1.0	41	<1.0	<1.0	<1.0	38	91
BM1-RW8 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	82	---	---	---	---	---	---	---	---
BN1-RW8 0.5	0.5	<2.0	2.5	94	<1.0	<1.0	17	---	4.3	11	2.9	<0.10	<1.0	25	<1.0	<1.0	<1.0	19	24
BN1-RW8 1	1	<2.0	2.9	92	<1.0	<1.0	23	---	4.5	11	3.5	<0.10	<1.0	29	<1.0	<1.0	<1.0	23	23
BN1-RW8 2	2	<2.0	2.8	83	<1.0	<1.0	8.9	---	7.3	17	3.7	<0.10	<1.0	11	<1.0	<1.0	<1.0	55	34
BN1-RW8 3	3	<2.0	4.3	110	<1.0	<1.0	11	---	6.4	19	3.4	<0.10	<1.0	12	<1.0	<1.0	<1.0	110	37
BN1-RW8 4	4	<2.0	4.1	120	<1.0	<1.0	14	---	6.9	18	5.4	<0.10	<1.0	13	<1.0	<1.0	<1.0	120	37
BP2-RW8 0.5	0.5	<2.0	9.9	250	<1.0	<1.0	37	---	10	76	76	<0.10	<1.0	41	<1.0	<1.0	<1.0	45	290
BP2-RW8 1	1	<2.0	10	160	<1.0	2.0	32	---	17	51	53	<0.10	<1.0	46	1.5	<1.0	<1.0	44	150
BP2-RW8 2	2	<2.0	6.5	830	<1.0	4.5	22	---	14	34	200	<0.10	<1.0	43	5.1	<1.0	<1.0	60	77
BP2-RW8 3	3	<2.0	7.8	180	<1.0	2.3	30	---	13	51	270	<0.10	<1.0	38	1.3	<1.0	<1.0	50	190
BP2-RW8 4	4	<2.0	9.0	190	<1.0	<1.0	32	---	17	64	69	<0.10	<1.0	43	1.4	<1.0	<1.0	49	140

TABLE 3
Summary of CAM17 Metals Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Median Borings																			
A1-L 0.5	0.5	<2.0	1.2	130	<1.0	<1.0	23	---	8.8	28	1,300	<0.10	1.3	20	1.4	<1.0	<1.0	60	150
A1-L 1	1	<2.0	<1.0	140	<1.0	1.0	29	---	10	39	1,200	<0.10	2.4	21	<1.0	<1.0	<1.0	93	210
A1-L 2	2	<2.0	<1.0	75	<1.0	<1.0	14	---	9.7	15	14	<0.10	<1.0	14	<1.0	<1.0	<1.0	69	36
A1-L 3	3	<2.0	7.5	140	<1.0	<1.0	18	---	10	16	47	<0.10	1.5	25	<1.0	<1.0	<1.0	54	48
A1-L 4	4	<2.0	7.0	180	<1.0	<1.0	15	---	13	21	8.9	<0.10	<1.0	22	<1.0	<1.0	<1.0	44	42
A1-L 6	6	<2.0	10	72	<1.0	<1.0	35	---	14	13	5.1	<0.10	<1.0	39	<1.0	<1.0	<1.0	58	45
C1-L 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	<5.0	---	---	---	---	---	---	---	---
D1-L 0.5	0.5	<2.0	2.6	93	1.0	<1.0	5.4	---	6.4	31	15	0.14	<1.0	13	<1.0	<1.0	<1.0	21	46
D1-L 1	1	<2.0	1.7	66	<1.0	<1.0	10	---	20	26	17	<0.10	<1.0	17	<1.0	<1.0	<1.0	18	45
D1-L 2	2	<2.0	2.0	130	<1.0	<1.0	10	---	10	28	9.6	0.14	<1.0	17	<1.0	<1.0	<1.0	29	50
D1-L 3	3	<2.0	<1.0	82	<1.0	<1.0	7.9	---	4.5	18	6.4	<0.10	<1.0	9.2	<1.0	<1.0	<1.0	21	31
D1-L 4	4	<2.0	1.6	100	<1.0	<1.0	13	---	6.2	26	31	<0.10	<1.0	12	<1.0	<1.0	<1.0	32	45
D1-L 6	6	<2.0	<1.0	91	<1.0	<1.0	11	---	5.2	18	12	<0.10	<1.0	12	<1.0	<1.0	<1.0	25	36
E1-L 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	44	---	---	---	---	---	---	---	---
G1-L 0.5	0.5	<2.0	18	35	<1.0	<1.0	26	---	12	40	18	<0.10	<1.0	36	2.7	<1.0	<1.0	38	75
G1-L 1	1	<2.0	12	26	<1.0	1.0	23	---	8.4	31	9.4	0.33	<1.0	25	1.8	<1.0	<1.0	36	75
G1-L 2	2	<2.0	31	42	<1.0	<1.0	27	---	9.6	40	12	3.0	<1.0	27	3.1	<1.0	<1.0	39	60
G1-L 3	3	<2.0	4.0	33	<1.0	<1.0	25	---	12	45	10	1.7	<1.0	31	1.9	<1.0	<1.0	39	82
G1-L 4	4	<2.0	29	23	<1.0	1.5	18	---	6.5	18	6.7	1.4	<1.0	18	2.4	<1.0	<1.0	28	60
G1-L 6	6	<2.0	4.5	30	<1.0	<1.0	26	---	12	32	5.8	1.2	<1.0	26	1.3	<1.0	<1.0	40	58
H1-L 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	12	---	---	---	---	---	---	---	---
J1-L 0.5	0.5	<2.0	3.8	77	<1.0	<1.0	19	<0.10	8.5	12	23	0.19	<1.0	17	<1.0	<1.0	<1.0	39	47
J1-L 1	1	<2.0	3.0	77	<1.0	<1.0	21	---	8.6	9.1	13	<0.10	<1.0	16	1.0	<1.0	<1.0	44	44
J1-L 2	2	<2.0	5.6	54	<1.0	<1.0	17	---	7.2	10	9.2	0.14	<1.0	15	<1.0	<1.0	<1.0	42	45
J1-L 3	3	<2.0	5.3	54	<1.0	<1.0	18	---	7.3	10	6.7	<0.10	<1.0	15	<1.0	<1.0	<1.0	37	44
J1-L 4	4	<2.0	5.4	51	<1.0	<1.0	17	---	7.6	10	4.6	<0.10	<1.0	15	<1.0	<1.0	<1.0	35	44
M1-L 0.5	0.5	<2.0	12	110	<1.0	<1.0	28	---	9.5	38	310	0.11	<1.0	43	1.1	<1.0	<1.0	35	110
M1-L 1	1	<2.0	7.8	120	<1.0	<1.0	28	---	8.5	36	260	0.17	<1.0	38	<1.0	<1.0	<1.0	28	84
M1-L 2	2	<2.0	7.5	120	<1.0	<1.0	24	---	8.9	39	15	<0.10	<1.0	77	<1.0	<1.0	<1.0	45	120
M1-L 3	3	<2.0	8.3	98	<1.0	<1.0	21	---	8.0	14	56	<0.10	<1.0	29	<1.0	<1.0	<1.0	31	58
M1-L 4	4	<2.0	6.0	59	<1.0	<1.0	15	---	3.6	6.3	11	<0.10	<1.0	14	<1.0	<1.0	<1.0	24	33
M1-L 6	6	<2.0	9.4	110	<1.0	<1.0	24	---	9.1	18	560	<0.10	<1.0	29	<1.0	<1.0	<1.0	31	120

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Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
O1-L 0.5	0.5	---	---	---	---	---	---	<0.10	---	---	22	---	---	---	---	---	---	---	---
P1-L 1	1	<2.0	4.2	100	<1.0	<1.0	11	---	250	81	7.0	<0.10	<1.0	60	<1.0	<1.0	<1.0	78	31
P1-L 2	2	<2.0	<1.0	60	<1.0	<1.0	6.5	---	8.7	11	12	<0.10	<1.0	9.9	<1.0	<1.0	<1.0	32	23
P1-L 3	3	<2.0	5.3	74	<1.0	<1.0	23	---	12	21	5.0	<0.10	<1.0	24	1.6	<1.0	<1.0	40	53
P1-L 4	4	<2.0	4.5	58	<1.0	<1.0	25	---	11	16	16	<0.10	<1.0	22	1.3	<1.0	<1.0	45	51
P1-L 6	6	<2.0	5.0	45	<1.0	<1.0	21	---	7.9	5.4	1.8	<0.10	<1.0	15	<1.0	<1.0	<1.0	44	35
R1-L 1	1	<2.0	<1.0	76	<1.0	<1.0	23	---	7.7	15	6.2	<0.10	<1.0	40	<1.0	<1.0	<1.0	38	29
R1-L 2	2	<2.0	<1.0	86	<1.0	<1.0	27	---	9.3	18	6.4	<0.10	<1.0	49	1.1	<1.0	<1.0	20	33
R1-L 3	3	<2.0	4.4	54	<1.0	<1.0	21	---	9.5	16	4.0	0.32	<1.0	20	1.3	<1.0	<1.0	41	47
R1-L 4	4	<2.0	<1.0	51	<1.0	<1.0	23	---	8.6	17	2.3	0.14	<1.0	19	<1.0	<1.0	<1.0	43	53
X-MED 1	1	<2.0	<1.0	86	<1.0	<1.0	15	---	14	18	3.1	<0.10	<1.0	13	1.4	<1.0	<1.0	120	35
X-MED 2	2	<2.0	<1.0	71	<1.0	<1.0	16	---	9.3	14	3.0	<0.10	<1.0	12	<1.0	<1.0	<1.0	200	31
X-MED 3	3	<2.0	9.7	88	<1.0	<1.0	21	---	12	32	6.8	0.53	<1.0	27	1.3	<1.0	<1.0	38	60
X-MED 4	4	<2.0	12	65	<1.0	<1.0	20	---	7.6	43	8.0	0.86	<1.0	25	1.0	<1.0	<1.0	31	63
AA-MED 1	1	<2.0	<1.0	75	<1.0	<1.0	12	---	13	19	4.3	<0.10	<1.0	13	1.1	<1.0	<1.0	63	34
AA-MED 2	2	<2.0	<1.0	60	<1.0	<1.0	13	---	13	15	4.0	<0.10	<1.0	13	<1.0	<1.0	<1.0	75	33
AA-MED 3	3	<2.0	8.4	73	<1.0	<1.0	24	---	12	27	7.4	0.60	<1.0	26	<1.0	<1.0	<1.0	48	64
AA-MED 4	4	<2.0	9.7	90	<1.0	<1.0	27	---	11	25	7.0	0.51	<1.0	27	<1.0	<1.0	<1.0	50	64
AB-MED 1	1	---	---	---	---	---	---	<0.10	---	---	<5.0	---	---	---	---	---	---	---	---
AC-MED 1	1	<2.0	3.9	93	<1.0	<1.0	15	---	14	20	30	<0.10	<1.0	16	<1.0	<1.0	1.2	120	49
AC-MED 2	2	<2.0	4.2	59	<1.0	<1.0	15	---	9.7	15	3.4	<0.10	<1.0	13	<1.0	<1.0	1.1	89	38
AC-MED 3	3	<2.0	7.9	92	<1.0	<1.0	26	---	9.1	21	13	0.24	<1.0	24	<1.0	<1.0	<1.0	56	56
AC-MED 4	4	<2.0	3.5	94	<1.0	<1.0	17	---	11	18	11	0.16	<1.0	17	<1.0	<1.0	<1.0	120	46
AF-MED 1	1	<2.0	4.0	100	<1.0	<1.0	16	---	9.2	17	4.0	<0.10	<1.0	14	<1.0	<1.0	1.3	160	40
AF-MED 2	2	<2.0	3.9	84	<1.0	<1.0	17	---	9.5	18	5.2	<0.10	<1.0	16	<1.0	<1.0	1.0	100	44
AF-MED 3	3	<2.0	6.4	90	<1.0	<1.0	23	---	9.0	22	6.9	0.20	<1.0	22	<1.0	<1.0	<1.0	61	52
AF-MED 4	4	<2.0	10	100	<1.0	<1.0	19	---	11	17	3.8	<0.10	<1.0	14	<1.0	<1.0	1.3	160	44
AG-MED 1	1	---	---	---	---	---	---	<0.10	---	---	<5.0	---	---	---	---	---	---	---	---

TABLE 3
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Alameda County, California

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
AI-MED 1	1	<2.0	2.7	63	<1.0	<1.0	5.7	---	7.5	12	3.2	<0.10	<1.0	11	<1.0	<1.0	<1.0	53	25
AI-MED 2	2	<2.0	3.3	64	<1.0	<1.0	9.9	---	5.2	16	5.3	<0.10	<1.0	13	<1.0	<1.0	<1.0	38	31
AI-MED 3	3	<2.0	8.6	91	<1.0	<1.0	28	---	9.5	34	10	0.16	<1.0	29	<1.0	<1.0	<1.0	41	71
AI-MED 4	4	<2.0	10	270	<1.0	<1.0	22	---	11	30	8.2	0.26	<1.0	25	<1.0	<1.0	<1.0	41	64
AL-MED 1	1	<2.0	2.3	70	<1.0	<1.0	7.7	<0.10	8.7	15	12	<0.10	<1.0	13	<1.0	<1.0	<1.0	53	30
AL-MED 2	2	<2.0	3.3	69	<1.0	<1.0	9.8	---	7.9	16	40	<0.10	<1.0	14	<1.0	<1.0	<1.0	68	39
AL-MED 3	3	<2.0	8.4	84	<1.0	<1.0	25	---	10	26	6.5	<0.10	<1.0	25	<1.0	<1.0	<1.0	46	63
AL-MED 4	4	<2.0	9.1	110	<1.0	<1.0	27	---	9.5	34	8.5	0.14	<1.0	30	<1.0	<1.0	<1.0	39	73
AN-MED 1	1	<2.0	3.4	90	<1.0	<1.0	8.2	---	7.2	14	17	<0.10	<1.0	12	<1.0	<1.0	<1.0	100	31
AN-MED 2	2	<2.0	8.5	98	<1.0	<1.0	8.7	---	14	15	4.8	<0.10	<1.0	27	<1.0	<1.0	<1.0	120	36
AN-MED 3	3	2.7	14	99	<1.0	<1.0	34	---	9.1	31	150	0.14	<1.0	45	1.2	<1.0	<1.0	46	110
AN-MED 4	4	<2.0	9.8	130	<1.0	<1.0	46	---	16	38	120	0.17	<1.0	49	<1.0	<1.0	<1.0	39	89
AQ-MED 1	1	<2.0	4.0	73	<1.0	<1.0	13	<0.10	19	26	3.8	<0.10	<1.0	15	<1.0	<1.0	1.1	110	43
AQ-MED 2	2	<2.0	3.7	78	<1.0	<1.0	12	---	17	22	3.4	<0.10	<1.0	15	<1.0	<1.0	<1.0	120	43
AQ-MED 3	3	<2.0	2.5	93	<1.0	<1.0	21	---	4.9	14	3.6	<0.10	<1.0	44	<1.0	<1.0	<1.0	16	28
AQ-MED 4	4	<2.0	9.5	69	<1.0	<1.0	27	---	8.7	41	11	<0.10	<1.0	29	<1.0	<1.0	<1.0	40	80
BB1-L 0.5	0.5	<2.0	10	140	<1.0	<1.0	33	---	11	54	720	0.10	<1.0	33	<1.0	<1.0	<1.0	57	280
BB1-L 1	1	<2.0	6.7	97	<1.0	<1.0	17	---	11	24	100	0.16	<1.0	19	<1.0	<1.0	<1.0	110	81
BB1-L 2	2	<2.0	12	120	<1.0	<1.0	25	---	11	42	20	0.12	<1.0	31	<1.0	<1.0	<1.0	50	82
BB1-L 3	3	<2.0	15	120	<1.0	<1.0	24	---	12	36	16	0.11	<1.0	31	<1.0	<1.0	<1.0	49	80
BB1-L 3.5	4	<2.0	7.5	110	<1.0	<1.0	25	---	10	34	730	<0.10	<1.0	24	<1.0	<1.0	<1.0	72	140
BBL-RW5 1	1	---	---	---	---	---	---	<0.10	---	---	<5.0	---	---	---	---	---	---	---	---
BEL-RW6 1	1	<2.0	3.2	90	<1.0	<1.0	11	---	8.6	16	3.4	<0.10	<1.0	12	<1.0	<1.0	<1.0	170	38
BEL-RW6 2	2	<2.0	2.2	66	<1.0	<1.0	11	---	9.6	13	3.4	<0.10	<1.0	13	<1.0	<1.0	<1.0	65	33
BEL-RW6 3	3	<2.0	8.4	73	<1.0	<1.0	17	---	8.2	18	5.4	<0.10	<1.0	24	<1.0	<1.0	<1.0	37	59
BEL-RW6 4	4	<2.0	8.1	98	<1.0	<1.0	20	---	9.2	24	14	<0.10	<1.0	26	<1.0	<1.0	<1.0	42	59
BIL-RW7 1	1	<2.0	3.7	89	<1.0	<1.0	12	<0.10	72	17	4.7	<0.10	<1.0	15	<1.0	<1.0	<1.0	130	38
BIL-RW7 2	2	<2.0	3.9	92	<1.0	<1.0	14	---	10	12	4.0	<0.10	<1.0	9.1	<1.0	<1.0	<1.0	64	27
BIL-RW7 3	3	<2.0	10	160	<1.0	<1.0	29	---	16	41	45	<0.10	<1.0	42	1.0	<1.0	<1.0	45	89
BIL-RW7 4	4	<2.0	5.4	96	<1.0	<1.0	29	---	24	49	9.7	<0.10	<1.0	65	<1.0	<1.0	<1.0	41	110

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Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
BKL-RW7 1	1	<2.0	2.5	62	<1.0	<1.0	11	---	13	13	3.2	<0.10	<1.0	11	<1.0	<1.0	<1.0	81	33
BKL-RW7 2	2	<2.0	2.7	64	<1.0	<1.0	10	---	7.1	13	2.9	<0.10	<1.0	11	<1.0	<1.0	<1.0	74	33
BKL-RW7 3	3	<2.0	27	700	<1.0	<1.0	25	---	17	36	18	<0.10	1.9	43	7.6	1.7	<1.0	31	86
BKL-RW7 4	4	<2.0	8.7	330	<1.0	<1.0	25	---	20	46	14	<0.10	<1.0	48	2.1	<1.0	<1.0	32	99
BML-RW7 1	1	<2.0	3.7	74	<1.0	<1.0	11	---	8.4	15	4.6	<0.10	<1.0	12	<1.0	<1.0	<1.0	78	35
BML-RW7 2	2	<2.0	8.4	130	<1.0	<1.0	24	---	16	36	50	<0.10	<1.0	36	2.3	<1.0	<1.0	72	79
BML-RW7 3	3	<2.0	7.6	170	<1.0	<1.0	27	---	20	48	30	<0.10	<1.0	49	1.6	<1.0	<1.0	40	98
BML-RW7 4	4	<2.0	8.4	94	<1.0	<1.0	26	---	21	49	16	<0.10	<1.0	51	1.2	<1.0	<1.0	33	100
	Minimum	<2.0	1.0	23	<1.0	1.0	5.4	<0.10	2.8	5.3	1.8	0.10	1.0	8.8	1.0	1.7	1.0	14	23
	Maximum	2.7	31	830	1.5	4.5	46	0.17	250	200	1,300	3.0	3.9	86	7.6	1.7	3.5	200	440
	ESLs																		
Shallow Soils (≤3 m bgs)																			
Residential Land Use		6.3	0.39	750	4.0	1.7	750*	8.0	40	230	200	1.3	40	150	10	20	1.3	16	600
Comm/Ind Land Use		40	1.6	1,500	8.0	7.4	750*	8.0	80	230	750	10	40	150	10	40	16	200	600
Construction Worker Exp		310	15	2,600	98	39	1,200,000	94	310,000	750	3,900	260	3,900	3,900	62	770	230,000	58	
	CHHSLs																		
Residential		30	0.07	5,200	150	1.7	10,000	---	660	3,000	80	380	18	1,600	380	380	5.0	530	---
Commercial/Industrial		380	0.24	63,000	1,700	7.5	10,000	---	3,200	38,000	320	4,800	180	16,000	4,800	4,800	63	6,700	---
	TTLC	500	500	10,000	75	100	2,500	500	8000	2,500	1,000	20	3,500	2000	100	500	700	2400	5,000
	STLC	15	5.0	100	0.8	1.0	560	---	80	25	5.0	0.2	350	20	1.0	5.0	7.0	24	250

Notes:

Results are shown in milligrams per kilogram (mg/kg).

< = Analyte was not detected above the laboratory reporting limit.

ESLs = Environmental Screening Levels, Tables A and K-3, SFRWQCB, Revised May 2008

CHHSLs = California Human-Health Screening Levels for Soil, Table 1, Cal/EPA, January 2005

* = Value is for Chromium III, no standard for total chromium.

TABLE 4
Summary of Organics Results - Soil
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (ft)	TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	BTEX (µg/kg)	MTBE (µg/kg)
Eastbound Shoulder Borings						
W2-RW2 40	40	<1.0	15	31	ND	<5.0
X2-RW2 45	45	<1.0	1.4	2.9	ND	<5.0
Y2-RW2 18	18	<1.0	1.0	2.1	ND	<5.0
AZ2-RW3 15	15	<1.0	<1.0	1.3	ND	<5.0
BB2-RW3 16	16	<1.0	29	73	ND	<5.0
BC3-RW3 20	20	<1.0	5.4	29	ND	<5.0
BE3-RW3 14	14	<1.0	2.6	15	ND	<5.0
BG3-RW3 14	14	<1.0	5.9	28	ND	<5.0
BK3-RW4 18	18	<1.0	1.2	6.1	ND	<5.0
BL2-RW4 15	15	<1.0	1.4	7.8	ND	<5.0
Median Borings						
BBL-RW5 30	30	<1.0	1.0	2.3	ND	<5.0
BCL-RW5 30	30	<1.0	<1.0	1.7	ND	<5.0
BEL-RW6 30	30	<1.0	1.4	3.7	ND	<5.0
BFL-RW6 30	30	<1.0	2.1	6.7	ND	<5.0
BIL-RW7 30	30	<1.0	2.4	7.5	ND	<5.0
BJL-RW7 30	30	<1.0	<1.0	2.1	ND	<5.0
BKL-RW7 30	30	<1.0	<1.0	1.3	ND	<5.0
BLL-RW7 30	30	<1.0	4.4	12	ND	<5.0
BML-RW7 30	30	<1.0	1.0	3.6	ND	<5.0
	ESLs					
	Shallow Soils (≤3 m bgs)					
	Residential	83	83	370	---	5.0
	Commercial/Industrial	83	83	2,500	---	5.0

Notes:

mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
--- = Not Analyzed or Not Applicable
BTEX = Benzene, toluene, ethylbenzene, and xylenes
MTBE = Methyl-tert-butyl ether
ND = Not Detected above laboratory reporting limit
< = Not detected above the stated laboratory reporting limit
ESLs = Environmental Screening Levels, Table A, SFRWQCB, Revised May 2008.
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
TPHmo = Total Petroleum Hydrocarbons as motor oil

TABLE 5
Summary of Organics Results - Groundwater
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Sample ID	Sample Depth (feet)	TPHg (mg/l)	TPHd (mg/l)	TPHmo (mg/l)	BTEX (µg/l)	MTBE (µg/l)
X2-RW2 GW	41.5	<0.050	0.068	<0.050	ND	<0.50
	ESLs					
	GW is current/potential source	0.10	0.10	0.10	---	5.0
	GW not current/potential source	0.21	0.21	0.21	---	1,800
	Surface Water - Freshwater	0.10	0.10	0.10	---	5.0
	Surface Water - Marine	0.21	0.21	0.21	---	180
	Surface Water - Estuarine	0.21	0.21	0.21	---	180

Notes:

mg/l = Milligrams per liter
µg/l = Micrograms per liter
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
TPHmo = Total Petroleum Hydrocarbons as motor oil
BTEX = Benzene, toluene, ethylbenzene, and xylenes
MTBE = Methyl-tert-butyl ether
--- = Not Analyzed or Not Applicable
< = Not detected above the stated laboratory reporting limit
ESLs = Environmental Screening Levels, Tables A, B, & F, SFRWQCB, May 2008

TABLE 6a
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Eastbound Shoulder, 0 < X < 3 feet from existing pavement

TOTAL LEAD UCLs

	Total Lead (mg/kg)	
	90% UCL	**95% UCL**
0 to 0.5 ft	157.1	166.5
0.5 to 1 ft	56.8	61.1
1.5 to 2 ft	28.3	30.5
2.5 to 3 ft	21.4	23.3
3.5 to 4 ft	8.7	8.9
5.5 to 6 ft	14.4	15.0

EXCAVATION SCENARIOS

	Weighted Average 90% UCL		Weighted Average 95% UCL	
Excavation Depth	**Total Lead (mg/kg)**	**WET Lead* (mg/l)**	**Total Lead (mg/kg)**	**WET Lead* (mg/l)**
0 to 0.5 ft	157	8.3	167	8.8
Underlying Soil (0.5 to 6 ft)	*24*	*1.3*	*25*	*1.4*
0 to 1 ft	107	5.7	114	6.0
Underlying Soil (1 to 6 ft)	*21*	*1.1*	*22*	*1.2*
0 to 2 ft	75	4.0	80	4.2
Underlying Soil (2 to 6 ft)	*15*	*0.8*	*16*	*0.8*
0 to 3 ft	58	3.1	62	3.3
Underlying Soil (3 to 6 ft)	*12*	*0.6*	*12*	*0.7*
0 to 4 ft	47	2.5	51	2.7
Underlying Soil (4 to 6 ft)	*10*	*0.5*	*10*	*0.6*
0 to 5 ft	40	2.1	42	2.2
Underlying Soil (5 to 6 ft)	*12*	*0.6*	*12*	*0.6*
0 to 6 ft	35	1.8	37	2.0

Notes:

UCL = Upper Confidence Limit (90% UCL is applicable for waste classificattion; 95% UCL applicable for risk assessment)

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

* = WET lead concentrations are predicted using slope of regression line,
where y = predicted WET lead and x = total lead.

Regression Line Slope: y = 0.0530 x

Weighted average values are based upon calculated UCLs for each depth interval.

TABLE 6b
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Eastbound Shoulder, 3 ≤ X ≤ 6 feet from existing pavement

TOTAL LEAD UCLs

	Total Lead (mg/kg) 90% UCL	95% UCL
0 to 0.5 ft	103.0	109.9
0.5 to 1 ft	101.4	113.0
1.5 to 2 ft	35.4	38.5
2.5 to 3 ft	15.6	16.4
3.5 to 4 ft	16.5	17.6
5.5 to 6 ft	14.6	15.2

EXCAVATION SCENARIOS

Excavation Depth	Weighted Average 90% UCL Total Lead (mg/kg)	Weighted Average 90% UCL WET Lead* (mg/l)	Weighted Average 95% UCL Total Lead (mg/kg)	Weighted Average 95% UCL WET Lead* (mg/l)
0 to 0.5 ft	103	5.5	110	5.8
Underlying Soil (0.5 to 6 ft)	*35*	*1.9*	*38*	*2.0*
0 to 1 ft	102	5.4	111	5.9
Underlying Soil (1 to 6 ft)	*28*	*1.5*	*31*	*1.6*
0 to 2 ft	85	4.5	94	5.0
Underlying Soil (2 to 6 ft)	*18*	*1.0*	*20*	*1.0*
0 to 3 ft	65	3.5	72	3.8
Underlying Soil (3 to 6 ft)	*16*	*0.9*	*17*	*0.9*
0 to 4 ft	53	2.8	58	3.1
Underlying Soil (4 to 6 ft)	*16*	*0.8*	*17*	*0.9*
0 to 5 ft	46	2.4	50	2.6
Underlying Soil (5 to 6 ft)	*16*	*0.8*	*16*	*0.9*
0 to 6 ft	41	2.2	44	2.3

Notes:

UCL = Upper Confidence Limit (90% UCL is applicable for waste classificattion; 95% UCL applicable for risk assessment)

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

* = WET lead concentrations are predicted using slope of regression line,
where y = predicted WET lead and x = total lead.

Regression Line Slope: y = 0.0530 x

Weighted average values are based upon calculated UCLs for each depth interval.

TABLE 6c
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Eastbound Shoulder, 6 < X ≤ 9 feet from existing pavement

TOTAL LEAD UCLs

	Total Lead (mg/kg) 90% UCL	95% UCL
0 to 0.5 ft	128.4	138.1
0.5 to 1 ft	62.2	66.9
1.5 to 2 ft	40.2	43.8
2.5 to 3 ft	20.9	22.0
3.5 to 4 ft	28.3	30.6
5.5 to 6 ft	41.4	44.8

EXCAVATION SCENARIOS

Excavation Depth	Weighted Average 90% UCL Total Lead (mg/kg)	Weighted Average 90% UCL WET Lead* (mg/l)	Weighted Average 95% UCL Total Lead (mg/kg)	Weighted Average 95% UCL WET Lead* (mg/l)
0 to 0.5 ft	128	6.8	138	7.3
Underlying Soil (0.5 to 6 ft)	*36*	*1.9*	*39*	*2.1*
0 to 1 ft	95	5.0	102	5.4
Underlying Soil (1 to 6 ft)	*34*	*1.8*	*37*	*1.9*
0 to 2 ft	73	3.9	79	4.2
Underlying Soil (2 to 6 ft)	*30*	*1.6*	*32*	*1.7*
0 to 3 ft	59	3.1	64	3.4
Underlying Soil (3 to 6 ft)	*29*	*1.6*	*32*	*1.7*
0 to 4 ft	50	2.7	54	2.9
Underlying Soil (4 to 6 ft)	*32*	*1.7*	*34*	*1.8*
0 to 5 ft	46	2.4	50	2.6
Underlying Soil (5 to 6 ft)	*35*	*1.8*	*38*	*2.0*
0 to 6 ft	44	2.3	48	2.5

Notes:

UCL = Upper Confidence Limit (90% UCL is applicable for waste classificattion; 95% UCL applicable for risk assessment)

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

* = WET lead concentrations are predicted using slope of regression line,
where y = predicted WET lead and x = total lead.

Regression Line Slope: y = 0.0530 x

Weighted average values are based upon calculated UCLs for each depth interval.

TABLE 6d
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Eastbound Shoulder, boring location greater than 9 feet from existing pavement

TOTAL LEAD UCLs

	Total Lead (mg/kg) 90% UCL	95% UCL
0 to 0.5 ft	151.4	157.8
0.5 to 1 ft	84.4	91.1
1.5 to 2 ft	38.6	41.2
2.5 to 3 ft	62.6	68.0
3.5 to 4 ft	36.5	39.4
5.5 to 6 ft	26.3	28.5

EXCAVATION SCENARIOS

Excavation Depth	Weighted Average 90% UCL Total Lead (mg/kg)	Weighted Average 90% UCL WET Lead* (mg/l)	Weighted Average 95% UCL Total Lead (mg/kg)	Weighted Average 95% UCL WET Lead* (mg/l)
0 to 0.5 ft	151	8.0	158	8.4
Underlying Soil (0.5 to 6 ft)	*49*	*2.6*	*53*	*2.8*
0 to 1 ft	118	6.2	124	6.6
Underlying Soil (1 to 6 ft)	*46*	*2.4*	*50*	*2.6*
0 to 2 ft	90	4.8	95	5.0
Underlying Soil (2 to 6 ft)	*42*	*2.2*	*45*	*2.4*
0 to 3 ft	77	4.1	82	4.3
Underlying Soil (3 to 6 ft)	*39*	*2.1*	*42*	*2.2*
0 to 4 ft	70	3.7	75	4.0
Underlying Soil (4 to 6 ft)	*34*	*1.8*	*37*	*1.9*
0 to 5 ft	63	3.3	68	3.6
Underlying Soil (5 to 6 ft)	*31*	*1.7*	*34*	*1.8*
0 to 6 ft	58	3.1	62	3.3

Notes:

UCL = Upper Confidence Limit (90% UCL is applicable for waste classificattion; 95% UCL applicable for risk assessment)

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

* = WET lead concentrations are predicted using slope of regression line,
where y = predicted WET lead and x = total lead.

Regression Line Slope: y = 0.0530 x

Weighted average values are based upon calculated UCLs for each depth interval.

TABLE 6e
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Median, 0 < X < 3 feet from existing pavement

TOTAL LEAD UCLs

	Total Lead (mg/kg) 90% UCL	95% UCL
0 to 0.5 ft	393.4	422.9
0.5 to 1 ft	77.8	87.2
1.5 to 2 ft	10.8	11.4
2.5 to 3 ft	56.2	61.4
3.5 to 4 ft	17.6	18.6
5.5 to 6 ft	106.4	119.0

EXCAVATION SCENARIOS

Excavation Depth	Weighted Average 90% UCL Total Lead (mg/kg)	Weighted Average 90% UCL WET Lead* (mg/l)	Weighted Average 95% UCL Total Lead (mg/kg)	Weighted Average 95% UCL WET Lead* (mg/l)
0 to 0.5 ft	393	21	423	22
Underlying Soil (0.5 to 6 ft)	*42*	*2.2*	*47*	*2.5*
0 to 1 ft	236	12	255	14
Underlying Soil (1 to 6 ft)	*39*	*2.1*	*43*	*2.3*
0 to 2 ft	140	7.4	152	8.1
Underlying Soil (2 to 6 ft)	*38*	*2.0*	*41*	*2.2*
0 to 3 ft	104	5.5	114	6.0
Underlying Soil (3 to 6 ft)	*39*	*2.1*	*42*	*2.3*
0 to 4 ft	88	4.6	95	5.0
Underlying Soil (4 to 6 ft)	*40*	*2.1*	*44*	*2.3*
0 to 5 ft	74	3.9	80	4.2
Underlying Soil (5 to 6 ft)	*62*	*3.3*	*69*	*3.6*
0 to 6 ft	72	3.8	78	4.1

Notes:

UCL = Upper Confidence Limit (90% UCL is applicable for waste classificattion; 95% UCL applicable for risk assessment)

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

* = WET lead concentrations are predicted using slope of regression line,
where y = predicted WET lead and x = total lead.

Regression Line Slope: y = 0.0530 x

Weighted average values are based upon calculated UCLs for each depth interval.

TABLE 6f
Eastbound I-580 Truck Climbing Lane Project
Alameda County, California

Median, boring location greater than 9 feet from existing pavement

TOTAL LEAD MAXIMUMS

	Total Lead (mg/kg) Maximum
0.5 to 1 ft	66.0
1.5 to 2 ft	12.0
2.5 to 3 ft	5.0
3.5 to 4 ft	16.0
5.5 to 6 ft	11.0

EXCAVATION SCENARIOS

Excavation Depth	Weighted Average Maximum Total Lead (mg/kg)	Weighted Average Maximum WET Lead* (mg/l)
0 to 1 ft	66	3.5
Underlying Soil (1 to 6 ft)	*7.1*	*0.4*
0 to 2 ft	39	2.1
Underlying Soil (2 to 6 ft)	*10*	*0.5*
0 to 3 ft	32	1.7
Underlying Soil (3 to 6 ft)	*11*	*0.6*
0 to 4 ft	32	1.7
Underlying Soil (4 to 6 ft)	*2.5*	*0.1*
0 to 6 ft	26	1.4

Notes:

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

* = WET lead concentrations are predicted using slope of regression line,

where y = predicted WET lead and x = total lead.

Regression Line Slope: y = 0.0530 x

Weighted average values are based upon calculated UCLs for each depth interval.

APPENDIX A

California Environmental Protection Agency
Department of Toxic Substances Control

VARIANCE

Applicant Names:

State of California
Department of Transportation
(Caltrans)
1120 N Street
Sacramento, California 95814

Variance No. V09HQSCD006

Effective Date: July 1, 2009

Expiration Date: July 1, 2014

Modification History:

Pursuant to California Health and Safety Code, Section 25143, the Department of Toxic Substances Control hereby issues the attached Variance consisting of 9 pages to the Department of Transportation.

Beverly Rikala
Team Leader, Operating Facilities Team
Department of Toxic Substances Control

Date: 6/30/09

1. INTRODUCTION.

a) Pursuant to Health and Safety Code, section 25143, the California Department of Toxic Substances Control (DTSC) grants this variance to the applicant below for waste considered to be hazardous solely because of its lead concentrations and as further specified herein.

b) DTSC hereby grants this variance only from the requirements specified herein and only in accordance with all terms and conditions specified herein.

2. IDENTIFYING INFORMATION.

APPLICANT/OWNER/OPERATOR

State of California
Department of Transportation, (Caltrans)
All Districts

3. TYPE OF VARIANCE.

Generation, Manifest, Transportation, Storage and Disposal.

4. ISSUANCE AND EXPIRATION DATES.

DATE ISSUED: July 1, 2009 EXPIRATION DATE: July 1, 2014

5. APPLICABLE STATUTES AND REGULATIONS. The hazardous waste that is the subject of this variance is fully regulated under Health and Safety Code, section 25100, et seq. and California Code of Regulations, title 22, division 4.5 except as specifically identified in Section 8 of this variance.

6. DEFINITION. For purposes of this variance, "lead-contaminated soil(s)" shall mean soil that meets the criteria for hazardous waste but contains less than 3397 mg/kg total lead and is hazardous primarily because of aerially-deposited lead contamination associated with exhaust emissions from the operation of motor vehicles.

7. FINDINGS/DETERMINATIONS. DTSC has determined that the variance applicant meets the requirements set forth in Health and Safety Code, section 25143 for a variance from specific regulatory requirements as outlined in Section 8 of this variance. The specific determinations and findings made by DTSC are as follows:

a) Caltrans intends to excavate, stockpile, transport, bury and cover large volumes of soil associated with highway construction projects. In the more urbanized highway corridors around the State this soil is contaminated with lead, primarily due to historic emissions from automobile exhausts. In situ sampling and laboratory testing has shown that some of the soil contains concentrations of lead in excess of State regulatory thresholds, and thus any generated waste from disturbance of the soil

would be regulated as hazardous waste. Such soil contains a Total Threshold Limit Concentration (TTLC) of 1000 milligrams per kilogram (mg/kg) or more lead and/or it meets or exceeds the Soluble Threshold Limit Concentration (STLC) for lead of 5 milligrams per liter (mg/l). A Human Health Risk Assessment prepared for this variance concludes that soil contaminated with elevated concentrations of lead can be managed in a way that presents no significant risk to human health.

b) The lead-contaminated soil will be placed only in Caltrans' right-of-way. Depending on concentration levels, the wastes will be covered with a minimum thickness of one (1) foot of non-hazardous soil or asphalt/concrete cover and will always be at least five (5) feet above the highest groundwater elevation. Caltrans will assure that proper health and safety procedures will be followed for workers, including any persons engaged in maintenance work in areas where the waste has been buried and covered.

c) DTSC finds and requires that the lead-contaminated soil excavated, stockpiled, transported, buried and covered pursuant to this variance is a non-RCRA hazardous waste, and that the waste management activity is insignificant as a potential hazard to human health and safety and the environment, when managed in accordance with the conditions, limitations and other requirements specified in this variance.

8. PROVISIONS WAIVED.

Provided Caltrans meets the terms and conditions of this variance, DTSC waives the hazardous waste management requirements of Health and Safety Code, Chapter 6.5 and California Code of Regulations, title 22 for the lead-contaminated soil that Caltrans reuses in projects that would require Caltrans to obtain a permit for a disposal facility and any other generator requirements that concern the transportation, manifesting, storage and land disposal of hazardous waste.

9. SPECIFIC CONDITIONS, LIMITATIONS AND OTHER REQUIREMENTS.

In order for the provisions discussed in section 8 to be waived, lead-contaminated soil must not exceed the contaminant concentrations discussed below and Caltrans management practices must meet all the following conditions:

a) Caltrans implementation of this variance shall comply with all applicable state laws and regulations for water quality control, water quality control plans, waste discharge requirements (including storm water permits), and others issued by the State Water Resources Control Board (SWRCB) and/or a California Regional Water Quality Control Board (RWQCB). Caltrans shall provide written notification to the appropriate RWQCB at least 30 days prior to advertisement for bids of projects that involve invocation of this variance, or as otherwise negotiated with the SWRCB or appropriate RWQCB.

b) The waivers in this variance shall only be applied to lead-contaminated soil that is not a RCRA hazardous waste and is hazardous primarily because of aerially-

deposited lead contamination associated with exhaust emissions from the operation of motor vehicles. The variance is not applicable to any other hazardous waste.

c) Soil containing 1.5 mg/l extractable lead or less (based on a modified waste extraction test using deionized water as the extractant) and 1411 mg/kg or less total lead may be used as fill provided that the lead-contaminated soil is placed a minimum of five (5) feet above the maximum historic water table elevation and covered with at least one (1) foot of nonhazardous soil that will be maintained by Caltrans to prevent future erosion.

d) Soil containing 150 mg/L extractable lead or less (based on a modified waste extraction test using deionized water as the extractant) and 3397 mg/kg or less total lead may be used as fill provided that the lead-contaminated soils are placed a minimum of five (5) feet above the maximum historic water table elevation and protected from infiltration by a pavement structure which will be maintained by Caltrans.

e) Lead-contaminated soil with a pH less than 5.5 but greater than 5.0 shall only be used as fill material under the paved portion of the roadway. Lead-contaminated soil with a pH at or less than 5.0 shall be managed as a hazardous waste.

f) For each project that has the potential to generate waste by disturbing lead-contaminated soil (as defined in 6), Caltrans shall conduct sampling and analysis to adequately characterize the soils containing aerially deposited lead in the areas of planned excavation along the project route. Such sampling and analysis shall include the Toxicity Characteristic Leaching Procedure (TCLP) as prescribed by the United States Environmental Protection Agency to determine whether concentrations of contaminants in soil exceed federal criteria for classification as a hazardous waste.

g) Lead-contaminated soil managed pursuant to this variance shall not be moved outside the designated corridor boundaries (see paragraph t) below. All lead-contaminated soil not buried and covered within the same Caltrans corridor where it originated is not eligible for management under this variance and shall be managed as a hazardous waste.

h) Lead-contaminated soil managed pursuant to this variance shall not be placed in areas where it would become in contact with groundwater or surface water (such as streams and rivers).

i) Lead-contaminated soil managed pursuant to this variance shall be buried and covered only in locations that are protected from erosion that may result from storm water run-on and run-off.

j) The lead-contaminated soil shall be buried and covered in a manner that will prevent accidental or deliberate breach of the asphalt, concrete, and/or cover soil.

k) The presence of lead-contaminated soil shall be incorporated into the projects' as-built drawings. The as-built drawings shall be annotated with the location, representative analytical data, and volume of lead-contaminated soil. The as-built drawings shall also state the depth of the cover. These as-built drawings shall be retained by Caltrans.

l) Caltrans shall ensure that no other hazardous wastes, other than the lead-contaminated hazardous waste soil, are placed in the burial areas.

m) Lead-contaminated soil shall not be buried within ten (10) feet of culverts or locations subject to frequent worker exposure.

n) Excavated lead-contaminated soil not placed into the designated area (fill area, roadbed area) by the end of the working day shall be stockpiled and covered with sheets of polyethylene or at least one foot of non-hazardous soil. The lead-contaminated soil, while stockpiled or under transport, shall be protected from contacting surface water and from being dislodged or transported by wind or storm water. The stockpile covers shall be inspected at least once a week and within 24 hours after rainstorms. If the lead-contaminated soil is stockpiled for more than 4 days from the time of excavation, Caltrans shall restrict public access to the stockpile by using barriers that meet the safety requirements of the construction zone. The lead-contaminated soil shall be stockpiled for no more than 90 days from the time the soil is first excavated. If the contaminated soil is stockpiled beyond the 90 day limit Caltrans shall:

1. notify DTSC in writing of the 90 day exceedance and expected date of removal;
2. perform weekly inspections of the stockpiled material to ensure that there is adequate protection from run-on, runoff, public access, and wind dispersion; and
3. notify DTSC on weekly basis of the stockpile status until the stockpile is removed.

The lead-contaminated soil shall be stockpiled for no more than 180 days from the time the soil is first excavated.

o) Caltrans shall ensure that all stockpiling of lead-contaminated soil remains within the project area of the specified corridor. Stockpiling of lead-contaminated soil within the specified corridor, but outside the project area, is prohibited.

p) Caltrans shall conduct confirmatory sampling of any stockpile area in areas not known or expected to contain lead-contaminated soil after removal of the lead-contaminated soil to ensure that contamination has not been left behind or has not migrated from the stockpiled material to the surrounding soils.

q) Caltrans shall stockpile lead-contaminated soil only on high ground (i.e. no sump areas or low points) so that stockpiled soil will not come in contact with surface

water run-on or run-off.

r) Caltrans shall not stockpile lead-contaminated soil in environmentally and ecologically sensitive areas.

s) Caltrans shall ensure that storm/rain run-off that has come into contact with stockpiled lead-contaminated soil will not flow to storm drains, inlets, or waters of the State.

t) Caltrans may dispose of the lead-contaminated soil only within the operating right-of-way of an existing highway, as defined in Streets and Highways Code, section 23. Caltrans may move lead-contaminated soil from one Caltrans project to another Caltrans project only if the lead-contaminated soil remains within the same designated corridor.

Caltrans shall record any movement of lead-contaminated soil by using a bill of lading. The bill of lading must contain: 1) the US DOT description including shipping name, hazard class and ID number; 2) handling codes; 3) quantity of material; 4) volume of material; 5) date of shipment; 6) origin and destination of shipment; and 7) any specific handling instructions. The bill of lading shall be referenced in and kept on file with the project's as-built drawings. The lead-contaminated soil must be kept covered during transportation.

u) For each specific corridor where this variance is to be implemented, all of the following information shall be submitted in writing to DTSC at least five (5) days before construction of any project begins:

1. plan drawing designating the boundaries of the corridor where lead-contaminated soils will be excavated, stockpiled, buried and covered;

2. a list of the Caltrans projects that the corridor encompasses;

3. a list of Caltrans contractors that will be conducting any phase of work on any project affected by this variance;

4. duration of corridor construction;

5. location where sampling and analytical data used to make lead concentration level determinations are kept (e.g. a particular Caltrans project file);

6. name and phone number (including area code) of project resident engineer and project manager;

7. location where Caltrans and contractor health and safety plan and records are kept;

8. location of project special provisions (including page or section number) for soil excavation, transportation, stockpile, burial and placement of cover material;

9. location of project drawings (including drawing page number) for soil excavation, burial and placement of cover in plan and cross section (for example, "The project plans are located at the resident engineer's office located at 5th and Main Streets, City of Fresno, See pages xxxxx of contract xxxx");

10. updated information if a Caltrans project within the corridor is added, changed or deleted; and

11. type of environmental document prepared for each project, date of adoption, document title, Clearing House number and where the document is available for review. A copy of the Caltrans Categorical Exemption, Categorical Exclusion Form, or if filed, the Notice of Exemption for any project shall be submitted to the DTSC Headquarters Project Manager.

v) Changes in location of lead-contaminated soil placement, quantities or protection measures (field changes) shall be noted in the resident engineer's project log within five (5) days of the field change.

w) Caltrans shall ensure that field changes are in compliance with the requirements of this variance.

x) Operational procedures described in the California Environmental Quality Act (CEQA) Special Initial Study shall be followed by Caltrans for activities conducted under this variance.

y) Caltrans shall implement appropriate health and safety procedures to protect its employees and the public, and to prevent or minimize exposure to potentially hazardous wastes. A project-specific health and safety plan must be prepared and implemented. The monitoring and exposure standards shall be based on construction standards for exposure to lead in California Code of Regulations, title 8, section 1532.1.

z) Caltrans shall provide a district Coordinator for this variance. This Coordinator will be the primary point of contact for information flowing to, or received from, DTSC regarding any matter or submission under this variance. Caltrans shall promptly notify DTSC of the name of Coordinator and any change in the Coordinator.

aa) Caltrans shall conduct regular inspections, consistent with Caltrans' Maintenance Division's current Pavement Inspection and Slope Inspection programs, of the locations where lead-contaminated soil has been buried and/or covered pursuant to this variance. If site inspection reveals deterioration of cover so that conditions in the variance are not met, Caltrans shall repair or replace the cover.

bb) Caltrans shall develop and implement a record keeping mechanisms to record and retain permanent records of all locations where lead-contaminated soil has been buried per this variance. The records shall be made available to DTSC.

cc) If areas subject to the terms of this variance are sold, relinquished or abandoned (including roadways), all future property owners shall be notified in writing in advance by Caltrans of the requirements of this variance, and Caltrans shall provide the owner with a copy of the variance. A copy of such a notice shall be sent to DTSC and contain the corridor location and project. Caltrans shall also disclose to DTSC and the new owner the location of areas where lead-contaminated soil has been buried. Future property owners shall be subject to the same requirements as Caltrans.

dd) For the purposes of informing the public about instances where the variance is implemented, Caltrans shall:

1. maintain current fact sheets at all Caltrans resident engineer offices and the Caltrans District office. Caltrans shall make the fact sheets available to anyone expressing an interest in variance-related work.

2. maintain a binder(s) containing copies of all reports submitted to DTSC at the District office. Caltrans shall ensure that the binders are readily accessible to the public.

3. carry out the following actions when it identifies additional projects:

(A) notify the public via a display advertisement in a newspaper of general circulation in that area.

(B) update and distribute the fact sheet to the mailing list and repository locations.

ee) Lead-contaminated soil may be buried only in areas where access is limited or where lead-contaminated soil is covered and contained by a pavement structure.

ff) Dust containing lead-contaminated soil must be controlled. Water or dust palliative may be applied to control dust. If visible dust migration occurs, all excavation, stockpiling and truck loading and burying must be stopped. The granting of this variance confers no relief on Caltrans from compliance with the laws, regulations and requirements enforced by any local air district or the California Air Resources Board.

gg) Sampling and analysis is required to show the lead-contaminated soil meets the variance criteria. All sampling and analysis must be conducted in accordance with the appropriate methods specified in U.S. EPA SW-846.

hh) DTSC retains the right to require Caltrans or any future owner to remove, and properly dispose of, lead-contaminated soil in the event DTSC determines it is necessary for protection of public health, safety or the environment.

ii) DTSC finds that some projects involving lead-contaminated soil are joint projects between Caltrans and other government entities. In these joint projects, Caltrans may not be the lead agency implementing the project although Caltrans is still involved if the project occurs on its right-of-way.

Caltrans may invoke this variance for joint projects where Caltrans and local government entity are involved provided that 1) the project is within the Caltrans Right-of-Way; 2) Caltrans reviews/ oversees all phases of the project including design, contracting, environmental assessment, construction, operation, and maintenance; and 3) Caltrans oversees the project to verify all variance conditions are complied with. Caltrans will be fully responsible for the variance notification and implementation in these joint projects.

jj) All correspondence shall be directed to the following office:

Hazardous Waste Permitting
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826

Attn: Caltrans Lead Variance Notification Unit

10. DISCLAIMER.

a) The issuance of this variance does not relieve Caltrans of the responsibility for compliance with Health and Safety Code, chapter 6.5, or the regulations adopted thereunder, and any other laws and regulations other than those specifically identified in Section 8 of this variance. Caltrans is subject to all terms and conditions herein. The granting of this variance confers no relief from compliance with any federal, State or local requirements other than those specifically provided herein.

b) The issuance of this variance does not release Caltrans from any liability associated with the handling of hazardous waste, except as specifically provided herein and subject to all terms and conditions of this variance.

11. VARIANCE MODIFICATION OR REVOCATION. This variance is subject to review at the discretion of DTSC and may be modified or revoked by DTSC upon change of ownership and at any other time pursuant to Health and Safety Code, section 25143.

12. CEQA DETERMINATION. DTSC adopted a Negative Declaration on June 30, 2009.

Approved:

6/30/09
Date

Beverly Rikala
Operating Facilities Team
Department of Toxic Substances Control

APPENDIX B

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BF2-RW3** DATE DRILLED 7/13/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
		BF2-RW3-0.5				
1		BF2-RW3-1				
2		BF2-RW3-2				
3		BF2-RW3-3				
4		BF2-RW3-4				
5						
6		BF2-RW3-6				
7						
8						

Appendix B

Boring BF2-RW3, page 1 of 1

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

BORING NO. BJ1-R

DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____

EQUIPMENT Direct-push DRILLER Gregg Drilling

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				Loose, dry, dark brown, Gravelly SAND, little silt		
2						
3						
4						
5				Loose, dry, brown, weathered SAND and SANDSTONE		
6				BORING TERMINATED AT 6 FEET		

Appendix B

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BJ2-R** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				Loose, dry, brown, Gravelly SAND		
2						
3						
4						
5						
6				BORING TERMINATED AT 6 FEET		

Appendix B

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BK1-RW4** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				Loose, dry, brown, Gravelly SAND		
2						
3						
4				Weathered SANDSTONE		
5						
6				BORING TERMINATED AT 6 FEET		

Appendix B

Boring BK1-RW4, page 1 of 1

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BK2-RW4** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				Loose, dry, dark brown, Gravelly SAND		
2						
3						
4				- refusal		
5						
6				BORING TERMINATED AT 6 FEET		

Appendix B

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BL1-RW4** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				Loose, dry, brown, Gravelly SAND		
2						
3						
4						
5						
6				BORING TERMINATED AT 6 FEET		

Appendix B

Boring BL1-RW4, page 1 of 1

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BL2-RW4** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				Loose, dry, dark brown, Gravelly SAND		
2						
3						
4				Brown SAND and weathered BR		
5						
6				BORING TERMINATED AT 6 FEET		

Appendix B

Boring BL2-RW4, page 1 of 1

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BM1-RW8** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				Loose, dry, brown, Gravelly SAND		
2						
3						
4						
5						
6				BORING TERMINATED AT 6 FEET		

Appendix B

Boring BM1-RW8, page 1 of 1

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BN1-RW8** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				**ROAD BASE MATERIAL** Hard, dry, brown Sandy GRAVEL		
2				Hard, dry, brown, Gravelly SAND		
3						
4				REFUSAL - BORING TERMINATED AT 4 FEET		

Appendix B

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BO1-RW8** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				**ROAD BASE MATERIAL** Loose, dry, dark brown Sandy GRAVEL		
2						
3				Loose, dry, dark brown, Gravelly SAND		
4						
5						
6						
7						
8						
9				BORING TERMINATED AT 9 FEET		

Appendix B

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **E8435-06-47 EB I-580 Truck Climbing Lane**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	**BORING NO. BP1-RW8** DATE DRILLED 7/14/2010 WATER LEVEL (ATD) _____ EQUIPMENT Direct-push DRILLER Gregg Drilling	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				**ROAD BASE MATERIAL** Hard, dry, gray Sandy GRAVEL and concrete		
2				Loose, dry, brown, Gravelly SAND		
3						
4						
5						
6						
7				Brown SAND and weathered SANDSTONE		
8						
9				**ROAD BASE MATERIAL** Hard, dry, gray Sandy GRAVEL and concrete		

Appendix B

ENV_NO_WELL TO 47 BORINGS.GPJ 09/20/10

BORING ELEVATION:

ENGINEER/GEOLOGIST: **Lauren Vigliotti**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

APPENDIX C

July 15, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112595

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 07, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112595

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112595-045AMS, 112595-045AMSD and 112611-027AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112595-029ADUP, 112595-039ADUP, 112595-045ADUP, 112595-045AMSD, 112595-065ADUP, 112595-085ADUP, 112611-002ADUP, 112611-027ADUP and 112611-027AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-001A	A1-R 0.5	250	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-002A	A1-R 1	83	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-003A	A1-R 2	34	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-004A	A1-R 3	7.4	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-005A	A1-R 4	6.0	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-006A	A1-R 6	6.9	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-010A	A3-R 0.5	210	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-011A	A3-R 1	120	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-012A	A3-R 2	81	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-013A	A3-R 3	110	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-014A	A3-R 4	33	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-021A	B2-R 0.5	360	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-022A	B2-R 1	51	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-023A	B2-R 2	13	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-024A	C1-R 0.5	250	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-025A	C1-R 1	26	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-026A	C1-R 2	8.3	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-027A	C1-R 3	8.7	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-028A	C1-R 4	12	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-029A	C1-R 6	9.9	mg/Kg	65288	5.0	1	7/6/2010	7/12/2010
112595-030A	C2-R 0.5	10	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-031A	C2-R 1	9.2	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-032A	C2-R 2	7.5	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-033A	C2-R 3	9.2	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-034A	C2-R 4	16	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-035A	C2-R-6	65	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-036A	C3-R 0.5	130	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-037A	C3-R 1	18	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-038A	C3-R 2	8.7	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-039A	C3-R 3	9.0	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-040A	C3-R 4	9.1	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-047A	D2-R 0.5	57	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-048A	D2-R 1	19	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-049A	D2-R 2	11	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-050A	D2-R 3	8.3	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-051A	D2-R 4	38	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-052A	D2-R 6	11	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-053A	E1-R 0.5	110	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-054A	E1-R 1	19	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-055A	E1-R 2	6.8	mg/Kg	65289	5.0	1	7/6/2010	7/12/2010
112595-056A	E1-R 3	ND	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-057A	E1-R 4	ND	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-058A	E1-R 6	12	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-059A	E2-R 0.5	25	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-060A	E2-R 1	38	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-061A	E2-R 2	27	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-062A	E2-R 3	78	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-063A	E2-R 4	14	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-064A	E2-R 6	15	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-065A	E3-R 0.5	7.8	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-066A	E3-R 1	15	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-067A	E3-R 2	13	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-068A	E3-R 3	52	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-069A	E3-R 4	64	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-070A	E3-R 6	52	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-071A	F1-R 0.5	6.1	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-072A	F1-R 1	ND	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-073A	F1-R 2	12	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-074A	F1-R 3	20	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-075A	F1-R 4	15	mg/Kg	65290	5.0	1	7/6/2010	7/12/2010
112595-076A	F1-R 6	16	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-077A	F2-R 0.5	36	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-078A	F2-R 1	23	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-079A	F2-R 2	17	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-080A	F2-R 3	16	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-081A	F2-R 4	ND	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-082A	F2-R 6	13	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-083A	G1-R 0.5	9.0	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-084A	G1-R 1	ND	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-085A	G1-R 2	7.7	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-086A	G1-R 3	11	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-087A	G1-R 4	14	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-088A	G1-R 6	14	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-095A	G3-R 0.5	20	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-096A	G3-R 1	16	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-097A	G3-R 2	22	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-098A	G3-R 3	28	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010
112595-099A	G3-R 4	11	mg/Kg	65291	5.0	1	7/6/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/15/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-001A	A1-R 0.5	ND	mg/Kg	65459	0.10	1	7/6/2010	7/14/2010
112595-071A	F1-R 0.5	0.17	mg/Kg	65459	0.10	1	7/6/2010	7/14/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/15/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-002A	A1-R 1	8.3	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-013A	A3-R 3	8.5	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-024A	C1-R 0.5	8.1	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-035A	C2-R-6	8.6	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-046A	D1-R 6	9.4	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-057A	E1-R 4	8.9	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-068A	E3-R 3	8.0	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-079A	F2-R 2	8.0	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-081A	F2-R 4	12	pH Units	R122954	0.10	1	7/6/2010	7/12/2010
112595-092A	G2-R 3	8.2	pH Units	R122954	0.10	1	7/6/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A2-R 0.5
Lab Order:	112595	**Collection Date:**	7/6/2010 8:30:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-007A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100709C	QC Batch: 65282			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/9/2010 05:29 PM
Arsenic	2.9	1.0		mg/Kg	1	7/9/2010 05:29 PM
Barium	230	1.0		mg/Kg	1	7/9/2010 05:29 PM
Beryllium	ND	1.0		mg/Kg	1	7/9/2010 05:29 PM
Cadmium	ND	1.0		mg/Kg	1	7/9/2010 05:29 PM
Chromium	22	1.0		mg/Kg	1	7/9/2010 05:29 PM
Cobalt	9.8	1.0		mg/Kg	1	7/9/2010 05:29 PM
Copper	23	2.0		mg/Kg	1	7/9/2010 05:29 PM
Lead	190	1.0		mg/Kg	1	7/9/2010 05:29 PM
Molybdenum	ND	1.0		mg/Kg	1	7/9/2010 05:29 PM
Nickel	23	1.0		mg/Kg	1	7/9/2010 05:29 PM
Selenium	ND	1.0		mg/Kg	1	7/9/2010 05:29 PM
Silver	ND	1.0		mg/Kg	1	7/9/2010 05:29 PM
Thallium	ND	1.0		mg/Kg	1	7/9/2010 05:29 PM
Vanadium	44	1.0		mg/Kg	1	7/9/2010 05:29 PM
Zinc	120	1.0		mg/Kg	1	7/9/2010 05:29 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709C	QC Batch: 65278			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.35	0.10		mg/Kg	1	7/9/2010 04:24 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A2-R 1
Lab Order:	112595	**Collection Date:**	7/6/2010 8:30:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-008A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100709C	QC Batch: 65282			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/9/2010 05:32 PM
Arsenic	4.5	1.0		mg/Kg	1	7/9/2010 05:32 PM
Barium	240	1.0		mg/Kg	1	7/9/2010 05:32 PM
Beryllium	ND	1.0		mg/Kg	1	7/9/2010 05:32 PM
Cadmium	ND	1.0		mg/Kg	1	7/9/2010 05:32 PM
Chromium	21	1.0		mg/Kg	1	7/9/2010 05:32 PM
Cobalt	9.2	1.0		mg/Kg	1	7/9/2010 05:32 PM
Copper	17	2.0		mg/Kg	1	7/9/2010 05:32 PM
Lead	220	1.0		mg/Kg	1	7/9/2010 05:32 PM
Molybdenum	ND	1.0		mg/Kg	1	7/9/2010 05:32 PM
Nickel	21	1.0		mg/Kg	1	7/9/2010 05:32 PM
Selenium	ND	1.0		mg/Kg	1	7/9/2010 05:32 PM
Silver	ND	1.0		mg/Kg	1	7/9/2010 05:32 PM
Thallium	ND	1.0		mg/Kg	1	7/9/2010 05:32 PM
Vanadium	43	1.0		mg/Kg	1	7/9/2010 05:32 PM
Zinc	65	1.0		mg/Kg	1	7/9/2010 05:32 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709C	QC Batch: 65278			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 04:26 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A2-R 2
Lab Order:	112595	**Collection Date:**	7/6/2010 8:30:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-009A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100709C	QC Batch: 65282			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/9/2010 05:44 PM
Arsenic	3.4	1.0		mg/Kg	1	7/9/2010 05:44 PM
Barium	200	1.0		mg/Kg	1	7/9/2010 05:44 PM
Beryllium	ND	1.0		mg/Kg	1	7/9/2010 05:44 PM
Cadmium	ND	1.0		mg/Kg	1	7/9/2010 05:44 PM
Chromium	20	1.0		mg/Kg	1	7/9/2010 05:44 PM
Cobalt	9.8	1.0		mg/Kg	1	7/9/2010 05:44 PM
Copper	15	2.0		mg/Kg	1	7/9/2010 05:44 PM
Lead	110	1.0		mg/Kg	1	7/9/2010 05:44 PM
Molybdenum	ND	1.0		mg/Kg	1	7/9/2010 05:44 PM
Nickel	19	1.0		mg/Kg	1	7/9/2010 05:44 PM
Selenium	ND	1.0		mg/Kg	1	7/9/2010 05:44 PM
Silver	ND	1.0		mg/Kg	1	7/9/2010 05:44 PM
Thallium	ND	1.0		mg/Kg	1	7/9/2010 05:44 PM
Vanadium	51	1.0		mg/Kg	1	7/9/2010 05:44 PM
Zinc	58	1.0		mg/Kg	1	7/9/2010 05:44 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709C	QC Batch: 65278			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 04:28 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	B1-R 0.5
Lab Order:	112595	**Collection Date:**	7/6/2010 8:10:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-015A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100709C	QC Batch: 65282			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/9/2010 03:54 PM
Arsenic	9.6	1.0		mg/Kg	1	7/9/2010 03:54 PM
Barium	130	1.0		mg/Kg	1	7/9/2010 03:54 PM
Beryllium	ND	1.0		mg/Kg	1	7/9/2010 03:54 PM
Cadmium	ND	1.0		mg/Kg	1	7/9/2010 03:54 PM
Chromium	11	1.0		mg/Kg	1	7/9/2010 03:54 PM
Cobalt	5.0	1.0		mg/Kg	1	7/9/2010 03:54 PM
Copper	12	2.0		mg/Kg	1	7/9/2010 03:54 PM
Lead	6.5	1.0		mg/Kg	1	7/9/2010 03:54 PM
Molybdenum	ND	1.0		mg/Kg	1	7/9/2010 03:54 PM
Nickel	20	1.0		mg/Kg	1	7/9/2010 03:54 PM
Selenium	ND	1.0		mg/Kg	1	7/9/2010 03:54 PM
Silver	ND	1.0		mg/Kg	1	7/9/2010 03:54 PM
Thallium	ND	1.0		mg/Kg	1	7/9/2010 03:54 PM
Vanadium	27	1.0		mg/Kg	1	7/9/2010 03:54 PM
Zinc	41	1.0		mg/Kg	1	7/9/2010 03:54 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709C	QC Batch: 65278			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 04:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	B1-R 1
Lab Order:	112595	**Collection Date:**	7/6/2010 8:10:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-016A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 05:30 PM
Arsenic	1.2	1.0		mg/Kg	1	7/12/2010 05:30 PM
Barium	160	1.0		mg/Kg	1	7/12/2010 05:30 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 05:30 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 05:30 PM
Chromium	9.4	1.0		mg/Kg	1	7/12/2010 05:30 PM
Cobalt	6.8	1.0		mg/Kg	1	7/12/2010 05:30 PM
Copper	9.7	2.0		mg/Kg	1	7/12/2010 05:30 PM
Lead	6.5	1.0		mg/Kg	1	7/12/2010 05:30 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 05:30 PM
Nickel	9.6	1.0		mg/Kg	1	7/12/2010 05:30 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 05:30 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 05:30 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 05:30 PM
Vanadium	20	1.0		mg/Kg	1	7/12/2010 05:30 PM
Zinc	29	1.0		mg/Kg	1	7/12/2010 05:30 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709C	QC Batch: 65278			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 04:32 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	B1-R 2
Lab Order:	112595	**Collection Date:**	7/6/2010 8:10:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-017A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 05:34 PM
Arsenic	1.4	1.0		mg/Kg	1	7/12/2010 05:34 PM
Barium	150	1.0		mg/Kg	1	7/12/2010 05:34 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 05:34 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 05:34 PM
Chromium	10	1.0		mg/Kg	1	7/12/2010 05:34 PM
Cobalt	3.8	1.0		mg/Kg	1	7/12/2010 05:34 PM
Copper	16	2.0		mg/Kg	1	7/12/2010 05:34 PM
Lead	6.7	1.0		mg/Kg	1	7/12/2010 05:34 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 05:34 PM
Nickel	10	1.0		mg/Kg	1	7/12/2010 05:34 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 05:34 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 05:34 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 05:34 PM
Vanadium	22	1.0		mg/Kg	1	7/12/2010 05:34 PM
Zinc	30	1.0		mg/Kg	1	7/12/2010 05:34 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709C	QC Batch: 65278			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 04:34 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	B1-R 3
Lab Order:	112595	**Collection Date:**	7/6/2010 8:10:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-018A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 05:39 PM
Arsenic	ND	1.0		mg/Kg	1	7/12/2010 05:39 PM
Barium	84	1.0		mg/Kg	1	7/12/2010 05:39 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 05:39 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 05:39 PM
Chromium	8.6	1.0		mg/Kg	1	7/12/2010 05:39 PM
Cobalt	5.2	1.0		mg/Kg	1	7/12/2010 05:39 PM
Copper	13	2.0		mg/Kg	1	7/12/2010 05:39 PM
Lead	6.7	1.0		mg/Kg	1	7/12/2010 05:39 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 05:39 PM
Nickel	11	1.0		mg/Kg	1	7/12/2010 05:39 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 05:39 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 05:39 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 05:39 PM
Vanadium	24	1.0		mg/Kg	1	7/12/2010 05:39 PM
Zinc	28	1.0		mg/Kg	1	7/12/2010 05:39 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709C	QC Batch: 65278			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 04:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	B1-R 4
Lab Order:	112595	**Collection Date:**	7/6/2010 8:10:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-019A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 05:52 PM
Arsenic	2.6	1.0		mg/Kg	1	7/12/2010 05:52 PM
Barium	91	1.0		mg/Kg	1	7/12/2010 05:52 PM
Beryllium	1.5	1.0		mg/Kg	1	7/12/2010 05:52 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 05:52 PM
Chromium	10	1.0		mg/Kg	1	7/12/2010 05:52 PM
Cobalt	16	1.0		mg/Kg	1	7/12/2010 05:52 PM
Copper	27	2.0		mg/Kg	1	7/12/2010 05:52 PM
Lead	8.2	1.0		mg/Kg	1	7/12/2010 05:52 PM
Molybdenum	1.1	1.0		mg/Kg	1	7/12/2010 05:52 PM
Nickel	26	1.0		mg/Kg	1	7/12/2010 05:52 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 10:59 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 05:52 PM
Thallium	1.1	1.0		mg/Kg	1	7/12/2010 05:52 PM
Vanadium	26	1.0		mg/Kg	1	7/12/2010 05:52 PM
Zinc	60	1.0		mg/Kg	1	7/12/2010 05:52 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	B1-R 6
Lab Order:	112595	**Collection Date:**	7/6/2010 8:10:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-020A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 05:57 PM
Arsenic	ND	1.0		mg/Kg	1	7/12/2010 05:57 PM
Barium	95	1.0		mg/Kg	1	7/12/2010 05:57 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 05:57 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 05:57 PM
Chromium	11	1.0		mg/Kg	1	7/12/2010 05:57 PM
Cobalt	4.2	1.0		mg/Kg	1	7/12/2010 05:57 PM
Copper	9.1	2.0		mg/Kg	1	7/12/2010 05:57 PM
Lead	5.4	1.0		mg/Kg	1	7/12/2010 05:57 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 05:57 PM
Nickel	8.8	1.0		mg/Kg	1	7/12/2010 05:57 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 11:02 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 05:57 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 05:57 PM
Vanadium	27	1.0		mg/Kg	1	7/12/2010 05:57 PM
Zinc	30	1.0		mg/Kg	1	7/12/2010 05:57 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:04 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-R 0.5
Lab Order:	112595	**Collection Date:**	7/6/2010 9:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-041A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 06:01 PM
Arsenic	1.8	1.0		mg/Kg	1	7/12/2010 06:01 PM
Barium	110	1.0		mg/Kg	1	7/12/2010 06:01 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 06:01 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 06:01 PM
Chromium	15	1.0		mg/Kg	1	7/12/2010 06:01 PM
Cobalt	7.6	1.0		mg/Kg	1	7/12/2010 06:01 PM
Copper	17	2.0		mg/Kg	1	7/12/2010 06:01 PM
Lead	17	1.0		mg/Kg	1	7/12/2010 06:01 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 06:01 PM
Nickel	16	1.0		mg/Kg	1	7/12/2010 06:01 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 11:07 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 06:01 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 06:01 PM
Vanadium	50	1.0		mg/Kg	1	7/12/2010 06:01 PM
Zinc	46	1.0		mg/Kg	1	7/12/2010 06:01 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-R 1
Lab Order:	112595	**Collection Date:**	7/6/2010 9:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-042A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 06:05 PM
Arsenic	2.2	1.0		mg/Kg	1	7/12/2010 06:05 PM
Barium	100	1.0		mg/Kg	1	7/12/2010 06:05 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 06:05 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 06:05 PM
Chromium	15	1.0		mg/Kg	1	7/12/2010 06:05 PM
Cobalt	5.9	1.0		mg/Kg	1	7/12/2010 06:05 PM
Copper	17	2.0		mg/Kg	1	7/12/2010 06:05 PM
Lead	17	1.0		mg/Kg	1	7/12/2010 06:05 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 06:05 PM
Nickel	13	1.0		mg/Kg	1	7/12/2010 06:05 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 11:11 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 06:05 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 06:05 PM
Vanadium	37	1.0		mg/Kg	1	7/12/2010 06:05 PM
Zinc	35	1.0		mg/Kg	1	7/12/2010 06:05 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:08 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-R 2
Lab Order:	112595	**Collection Date:**	7/6/2010 9:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-043A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 06:09 PM
Arsenic	2.1	1.0		mg/Kg	1	7/12/2010 06:09 PM
Barium	170	1.0		mg/Kg	1	7/12/2010 06:09 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 06:09 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 06:09 PM
Chromium	15	1.0		mg/Kg	1	7/12/2010 06:09 PM
Cobalt	5.4	1.0		mg/Kg	1	7/12/2010 06:09 PM
Copper	12	2.0		mg/Kg	1	7/12/2010 06:09 PM
Lead	13	1.0		mg/Kg	1	7/12/2010 06:09 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 06:09 PM
Nickel	13	1.0		mg/Kg	1	7/12/2010 06:09 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 11:15 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 06:09 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 06:09 PM
Vanadium	35	1.0		mg/Kg	1	7/12/2010 06:09 PM
Zinc	36	1.0		mg/Kg	1	7/12/2010 06:09 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-R 3
Lab Order:	112595	**Collection Date:**	7/6/2010 9:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-044A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 06:13 PM
Arsenic	2.5	1.0		mg/Kg	1	7/12/2010 06:13 PM
Barium	170	1.0		mg/Kg	1	7/12/2010 06:13 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 06:13 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 06:13 PM
Chromium	17	1.0		mg/Kg	1	7/12/2010 06:13 PM
Cobalt	5.4	1.0		mg/Kg	1	7/12/2010 06:13 PM
Copper	12	2.0		mg/Kg	1	7/12/2010 06:13 PM
Lead	12	1.0		mg/Kg	1	7/12/2010 06:13 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 06:13 PM
Nickel	13	1.0		mg/Kg	1	7/12/2010 06:13 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 11:19 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 06:13 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 06:13 PM
Vanadium	38	1.0		mg/Kg	1	7/12/2010 06:13 PM
Zinc	28	1.0		mg/Kg	1	7/12/2010 06:13 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:12 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-R 4
Lab Order:	112595	**Collection Date:**	7/6/2010 9:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-045A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712G	QC Batch: 65283			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 01:13 PM
Arsenic	ND	1.0		mg/Kg	1	7/12/2010 01:13 PM
Barium	600	1.0		mg/Kg	1	7/12/2010 01:13 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 01:13 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 01:13 PM
Chromium	10	1.0		mg/Kg	1	7/12/2010 01:13 PM
Cobalt	7.4	1.0		mg/Kg	1	7/12/2010 01:13 PM
Copper	24	2.0		mg/Kg	1	7/12/2010 01:13 PM
Lead	8.4	1.0		mg/Kg	1	7/12/2010 01:13 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 01:13 PM
Nickel	15	1.0		mg/Kg	1	7/12/2010 01:13 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 01:13 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 01:13 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 01:13 PM
Vanadium	33	1.0		mg/Kg	1	7/12/2010 01:13 PM
Zinc	47	1.0		mg/Kg	1	7/12/2010 01:13 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-R 6
Lab Order:	112595	**Collection Date:**	7/6/2010 9:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-046A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712A	QC Batch: 65284			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 11:53 AM
Arsenic	1.2	1.0		mg/Kg	1	7/12/2010 11:53 AM
Barium	110	1.0		mg/Kg	1	7/12/2010 11:53 AM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 11:53 AM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 11:53 AM
Chromium	16	1.0		mg/Kg	1	7/12/2010 11:53 AM
Cobalt	6.3	1.0		mg/Kg	1	7/12/2010 11:53 AM
Copper	16	2.0		mg/Kg	1	7/12/2010 11:53 AM
Lead	11	1.0		mg/Kg	1	7/12/2010 11:53 AM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 11:53 AM
Nickel	16	1.0		mg/Kg	1	7/12/2010 11:53 AM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 11:53 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 11:53 AM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 11:53 AM
Vanadium	34	1.0		mg/Kg	1	7/12/2010 11:53 AM
Zinc	46	1.0		mg/Kg	1	7/12/2010 11:53 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:20 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G2-R 0.5
Lab Order:	112595	**Collection Date:**	7/6/2010 12:50:00 PM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-089A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712A	QC Batch: 65284			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 11:56 AM
Arsenic	4.9	1.0		mg/Kg	1	7/12/2010 11:56 AM
Barium	130	1.0		mg/Kg	1	7/12/2010 11:56 AM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 11:56 AM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 11:56 AM
Chromium	28	1.0		mg/Kg	1	7/12/2010 11:56 AM
Cobalt	9.4	1.0		mg/Kg	1	7/12/2010 11:56 AM
Copper	200	2.0		mg/Kg	1	7/12/2010 11:56 AM
Lead	320	1.0		mg/Kg	1	7/12/2010 11:56 AM
Molybdenum	1.8	1.0		mg/Kg	1	7/12/2010 11:56 AM
Nickel	33	1.0		mg/Kg	1	7/12/2010 11:56 AM
Selenium	1.1	1.0		mg/Kg	1	7/12/2010 11:56 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 11:56 AM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 11:56 AM
Vanadium	40	1.0		mg/Kg	1	7/12/2010 11:56 AM
Zinc	100	1.0		mg/Kg	1	7/12/2010 11:56 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	1.2	0.10		mg/Kg	1	7/9/2010 05:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G2-R 1
Lab Order:	112595	**Collection Date:**	7/6/2010 12:50:00 PM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-090A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712A	QC Batch: 65284			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 12:00 PM
Arsenic	8.6	1.0		mg/Kg	1	7/12/2010 12:00 PM
Barium	65	1.0		mg/Kg	1	7/12/2010 12:00 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 12:00 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 12:00 PM
Chromium	18	1.0		mg/Kg	1	7/12/2010 12:00 PM
Cobalt	5.9	1.0		mg/Kg	1	7/12/2010 12:00 PM
Copper	43	2.0		mg/Kg	1	7/12/2010 12:00 PM
Lead	14	1.0		mg/Kg	1	7/12/2010 12:00 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 12:00 PM
Nickel	20	1.0		mg/Kg	1	7/12/2010 12:00 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 12:00 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 12:00 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 12:00 PM
Vanadium	21	1.0		mg/Kg	1	7/12/2010 12:00 PM
Zinc	69	1.0		mg/Kg	1	7/12/2010 12:00 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709D	QC Batch: 65279			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.53	0.10		mg/Kg	1	7/9/2010 04:57 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G2-R 2
Lab Order:	112595	**Collection Date:**	7/6/2010 12:50:00 PM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-091A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712A	QC Batch: 65284			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 12:03 PM
Arsenic	7.9	1.0		mg/Kg	1	7/12/2010 12:03 PM
Barium	320	1.0		mg/Kg	1	7/12/2010 12:03 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 12:03 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 12:03 PM
Chromium	17	1.0		mg/Kg	1	7/12/2010 12:03 PM
Cobalt	30	1.0		mg/Kg	1	7/12/2010 12:03 PM
Copper	45	2.0		mg/Kg	1	7/12/2010 12:03 PM
Lead	42	1.0		mg/Kg	1	7/12/2010 12:03 PM
Molybdenum	1.3	1.0		mg/Kg	1	7/12/2010 12:03 PM
Nickel	76	1.0		mg/Kg	1	7/12/2010 12:03 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 12:03 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 12:03 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 12:03 PM
Vanadium	22	1.0		mg/Kg	1	7/12/2010 12:03 PM
Zinc	78	1.0		mg/Kg	1	7/12/2010 12:03 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709E	QC Batch: 65280			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.78	0.10		mg/Kg	1	7/9/2010 05:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G2-R 3
Lab Order:	112595	**Collection Date:**	7/6/2010 12:50:00 PM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-092A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712A	QC Batch: 65284			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 12:07 PM
Arsenic	8.2	1.0		mg/Kg	1	7/12/2010 12:07 PM
Barium	69	1.0		mg/Kg	1	7/12/2010 12:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 12:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 12:07 PM
Chromium	16	1.0		mg/Kg	1	7/12/2010 12:07 PM
Cobalt	8.0	1.0		mg/Kg	1	7/12/2010 12:07 PM
Copper	32	2.0		mg/Kg	1	7/12/2010 12:07 PM
Lead	13	1.0		mg/Kg	1	7/12/2010 12:07 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 12:07 PM
Nickel	25	1.0		mg/Kg	1	7/12/2010 12:07 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 12:07 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 12:07 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 12:07 PM
Vanadium	21	1.0		mg/Kg	1	7/12/2010 12:07 PM
Zinc	69	1.0		mg/Kg	1	7/12/2010 12:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709E	QC Batch: 65280			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	1.0	0.10		mg/Kg	1	7/9/2010 05:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G2-R 4
Lab Order:	112595	**Collection Date:**	7/6/2010 12:50:00 PM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-093A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712A	QC Batch: 65284			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 12:10 PM
Arsenic	6.4	1.0		mg/Kg	1	7/12/2010 12:10 PM
Barium	35	1.0		mg/Kg	1	7/12/2010 12:10 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 12:10 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 12:10 PM
Chromium	18	1.0		mg/Kg	1	7/12/2010 12:10 PM
Cobalt	2.8	1.0		mg/Kg	1	7/12/2010 12:10 PM
Copper	48	2.0		mg/Kg	1	7/12/2010 12:10 PM
Lead	14	1.0		mg/Kg	1	7/12/2010 12:10 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 12:10 PM
Nickel	13	1.0		mg/Kg	1	7/12/2010 12:10 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 12:10 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 12:10 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 12:10 PM
Vanadium	24	1.0		mg/Kg	1	7/12/2010 12:10 PM
Zinc	74	1.0		mg/Kg	1	7/12/2010 12:10 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709E	QC Batch: 65280			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.91	0.10		mg/Kg	1	7/9/2010 05:49 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G2-R 6
Lab Order:	112595	**Collection Date:**	7/6/2010 12:50:00 PM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112595-094A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712A	QC Batch: 65284			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 12:13 PM
Arsenic	8.1	1.0		mg/Kg	1	7/12/2010 12:13 PM
Barium	60	1.0		mg/Kg	1	7/12/2010 12:13 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 12:13 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 12:13 PM
Chromium	25	1.0		mg/Kg	1	7/12/2010 12:13 PM
Cobalt	16	1.0		mg/Kg	1	7/12/2010 12:13 PM
Copper	48	2.0		mg/Kg	1	7/12/2010 12:13 PM
Lead	42	1.0		mg/Kg	1	7/12/2010 12:13 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 12:13 PM
Nickel	39	1.0		mg/Kg	1	7/12/2010 12:13 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 12:13 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 12:13 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 12:13 PM
Vanadium	35	1.0		mg/Kg	1	7/12/2010 12:13 PM
Zinc	91	1.0		mg/Kg	1	7/12/2010 12:13 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709E	QC Batch: 65280			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.51	0.10		mg/Kg	1	7/9/2010 05:51 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65282** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122948**
Client ID: **PBS** Batch ID: **65282** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/9/2010** SeqNo: **1970309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65282** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122948**
Client ID: **LCSS** Batch ID: **65282** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/9/2010** SeqNo: **1970310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	50.004	2.0	50.00	0	100	80	120				
Arsenic	47.147	1.0	50.00	0	94.3	80	120				
Barium	51.052	1.0	50.00	0	102	80	120				
Beryllium	49.668	1.0	50.00	0	99.3	80	120				
Cadmium	48.081	1.0	50.00	0	96.2	80	120				
Chromium	50.255	1.0	50.00	0	101	80	120				
Cobalt	50.759	1.0	50.00	0	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65282** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122948**
Client ID: **LCSS** Batch ID: **65282** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/9/2010** SeqNo: **1970310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	51.602	2.0	50.00	0	103	80	120				
Lead	49.856	1.0	50.00	0	99.7	80	120				
Molybdenum	50.997	1.0	50.00	0	102	80	120				
Nickel	48.201	1.0	50.00	0	96.4	80	120				
Selenium	45.403	1.0	50.00	0	90.8	80	120				
Silver	49.593	1.0	50.00	0	99.2	80	120				
Thallium	47.361	1.0	50.00	0	94.7	80	120				
Vanadium	49.875	1.0	50.00	0	99.8	80	120				
Zinc	47.789	1.0	50.00	0	95.6	80	120				

Sample ID: **112595-015A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122948**
Client ID: **B1-R 0.5** Batch ID: **65282** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/9/2010** SeqNo: **1970312**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.516	2.0						0.4038	0	20	
Arsenic	9.598	1.0						9.554	0.456	20	
Barium	124.242	1.0						126.7	1.99	20	
Beryllium	0.670	1.0						0.6188	0	20	
Cadmium	0.476	1.0						0.4503	0	20	
Chromium	10.724	1.0						10.53	1.84	20	
Cobalt	5.665	1.0						4.952	13.4	20	
Copper	12.068	2.0						12.23	1.36	20	
Lead	6.636	1.0						6.505	1.99	20	
Molybdenum	0.223	1.0						0.1792	0	20	
Nickel	20.218	1.0						19.94	1.37	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	0.496	1.0						0.4405	0	20	
Vanadium	26.449	1.0						26.96	1.90	20	
Zinc	40.256	1.0						40.72	1.14	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112595-015A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122948**
Client ID: **B1-R 0.5** Batch ID: **65282** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/9/2010** SeqNo: **1970313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	76.728	2.0	125.0	0.4038	61.1	32	105				
Arsenic	91.811	1.0	125.0	9.554	65.8	49	106				
Barium	243.442	1.0	125.0	126.7	93.4	31	133				
Beryllium	89.519	1.0	125.0	0.6188	71.1	56	106				
Cadmium	83.233	1.0	125.0	0.4503	66.2	51	103				
Chromium	97.843	1.0	125.0	10.53	69.9	45	114				
Cobalt	88.851	1.0	125.0	4.952	67.1	52	106				
Copper	108.122	2.0	125.0	12.23	76.7	54	125				
Lead	92.636	1.0	125.0	6.505	68.9	34	126				
Molybdenum	82.620	1.0	125.0	0.1792	66.0	54	106				
Nickel	101.428	1.0	125.0	19.94	65.2	45	111				
Selenium	80.721	1.0	125.0	0	64.6	47	104				
Silver	92.393	1.0	125.0	0	73.9	56	112				
Thallium	80.632	1.0	125.0	0.4405	64.2	46	101				
Vanadium	112.456	1.0	125.0	26.96	68.4	54	114				
Zinc	119.383	1.0	125.0	40.72	62.9	28	125				

Sample ID: **112595-015A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122948**
Client ID: **B1-R 0.5** Batch ID: **65282** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/9/2010** SeqNo: **1970314**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	73.156	2.0	125.0	0.4038	58.2	32	105	76.73	4.77	20	
Arsenic	84.940	1.0	125.0	9.554	60.3	49	106	91.81	7.77	20	
Barium	253.829	1.0	125.0	126.7	102	31	133	243.4	4.18	20	
Beryllium	85.981	1.0	125.0	0.6188	68.3	56	106	89.52	4.03	20	
Cadmium	79.455	1.0	125.0	0.4503	63.2	51	103	83.23	4.64	20	
Chromium	93.856	1.0	125.0	10.53	66.7	45	114	97.84	4.16	20	
Cobalt	84.716	1.0	125.0	4.952	63.8	52	106	88.85	4.76	20	
Copper	103.653	2.0	125.0	12.23	73.1	54	125	108.1	4.22	20	
Lead	86.045	1.0	125.0	6.505	63.6	34	126	92.64	7.38	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112595-015A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122948**
Client ID: **B1-R 0.5** Batch ID: **65282** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/9/2010** SeqNo: **1970314**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	79.486	1.0	125.0	0.1792	63.4	54	106	82.62	3.87	20	
Nickel	96.327	1.0	125.0	19.94	61.1	45	111	101.4	5.16	20	
Selenium	75.111	1.0	125.0	0	60.1	47	104	80.72	7.20	20	
Silver	88.748	1.0	125.0	0	71.0	56	112	92.39	4.02	20	
Thallium	75.233	1.0	125.0	0.4405	59.8	46	101	80.63	6.93	20	
Vanadium	107.813	1.0	125.0	26.96	64.7	54	114	112.5	4.22	20	
Zinc	112.958	1.0	125.0	40.72	57.8	28	125	119.4	5.53	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65283** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122979**
Client ID: **PBS** Batch ID: **65283** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970656**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.094	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	0.027	1.0									
Zinc	0.312	1.0									

Sample ID: **LCS-65283** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122979**
Client ID: **LCSS** Batch ID: **65283** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.044	2.0	50.00	0	90.1	80	120				
Arsenic	42.933	1.0	50.00	0	85.9	80	120				
Barium	46.268	1.0	50.00	0	92.5	80	120				
Beryllium	44.776	1.0	50.00	0	89.6	80	120				
Cadmium	43.668	1.0	50.00	0	87.3	80	120				
Chromium	45.606	1.0	50.00	0	91.2	80	120				
Cobalt	46.156	1.0	50.00	0	92.3	80	120				
Copper	46.023	2.0	50.00	0	92.0	80	120				
Lead	44.918	1.0	50.00	0	89.8	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65283** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122979**
Client ID: **LCSS** Batch ID: **65283** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	45.493	1.0	50.00	0	91.0	80	120				
Nickel	44.691	1.0	50.00	0.09442	89.2	80	120				
Selenium	41.449	1.0	50.00	0	82.9	80	120				
Silver	45.580	1.0	50.00	0	91.2	80	120				
Thallium	44.366	1.0	50.00	0	88.7	80	120				
Vanadium	44.719	1.0	50.00	0.02672	89.4	80	120				
Zinc	43.314	1.0	50.00	0.3118	86.0	80	120				

Sample ID: **112595-045A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122979**
Client ID: **D1-R 4** Batch ID: **65283** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970659**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.459	2.0						0	0	20	
Arsenic	ND	1.0						0.3618	0	20	
Barium	147.596	1.0						604.9	122	20	R
Beryllium	0.330	1.0						0.3739	0	20	
Cadmium	0.287	1.0						0.2845	0	20	
Chromium	9.890	1.0						10.29	3.93	20	
Cobalt	7.248	1.0						7.420	2.34	20	
Copper	22.660	2.0						23.61	4.12	20	
Lead	8.509	1.0						8.413	1.13	20	
Molybdenum	0.189	1.0						0.1593	0	20	
Nickel	14.332	1.0						15.05	4.88	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	0.231	1.0						0.3021	0	20	
Vanadium	31.949	1.0						32.80	2.63	20	
Zinc	46.248	1.0						46.77	1.12	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112595-045A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122979**
Client ID: **D1-R 4** Batch ID: **65283** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.756	2.0	125.0	0	67.0	32	105				
Arsenic	87.774	1.0	125.0	0.3618	69.9	49	106				
Barium	447.424	1.0	125.0	604.9	-126	31	133				S
Beryllium	97.206	1.0	125.0	0.3739	77.5	56	106				
Cadmium	90.923	1.0	125.0	0.2845	72.5	51	103				
Chromium	108.100	1.0	125.0	10.29	78.3	45	114				
Cobalt	99.177	1.0	125.0	7.420	73.4	52	106				
Copper	126.840	2.0	125.0	23.61	82.6	54	125				
Lead	97.402	1.0	125.0	8.413	71.2	34	126				
Molybdenum	90.023	1.0	125.0	0.1593	71.9	54	106				
Nickel	107.041	1.0	125.0	15.05	73.6	45	111				
Selenium	86.806	1.0	125.0	0	69.4	47	104				
Silver	103.474	1.0	125.0	0	82.8	56	112				
Thallium	87.478	1.0	125.0	0.3021	69.7	46	101				
Vanadium	130.252	1.0	125.0	32.80	78.0	54	114				
Zinc	132.001	1.0	125.0	46.77	68.2	28	125				

Sample ID: **112595-045A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122979**
Client ID: **D1-R 4** Batch ID: **65283** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	80.299	2.0	125.0	0	64.2	32	105	83.76	4.21	20	
Arsenic	83.549	1.0	125.0	0.3618	66.5	49	106	87.77	4.93	20	
Barium	240.021	1.0	125.0	604.9	-292	31	133	447.4	60.3	20	SR
Beryllium	89.708	1.0	125.0	0.3739	71.5	56	106	97.21	8.02	20	
Cadmium	84.695	1.0	125.0	0.2845	67.5	51	103	90.92	7.09	20	
Chromium	101.139	1.0	125.0	10.29	72.7	45	114	108.1	6.65	20	
Cobalt	92.684	1.0	125.0	7.420	68.2	52	106	99.18	6.77	20	
Copper	120.373	2.0	125.0	23.61	77.4	54	125	126.8	5.23	20	
Lead	92.790	1.0	125.0	8.413	67.5	34	126	97.40	4.85	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112595-045A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122979**
Client ID: **D1-R 4** Batch ID: **65283** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	83.848	1.0	125.0	0.1593	67.0	54	106	90.02	7.10	20	
Nickel	98.351	1.0	125.0	15.05	66.6	45	111	107.0	8.46	20	
Selenium	83.490	1.0	125.0	0	66.8	47	104	86.81	3.89	20	
Silver	96.354	1.0	125.0	0	77.1	56	112	103.5	7.13	20	
Thallium	83.626	1.0	125.0	0.3021	66.7	46	101	87.48	4.50	20	
Vanadium	121.429	1.0	125.0	32.80	70.9	54	114	130.3	7.01	20	
Zinc	125.225	1.0	125.0	46.77	62.8	28	125	132.0	5.27	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65284** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **PBS** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970334**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65284** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **LCSS** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.414	2.0	50.00	0	94.8	80	120				
Arsenic	44.949	1.0	50.00	0	89.9	80	120				
Barium	48.900	1.0	50.00	0	97.8	80	120				
Beryllium	47.435	1.0	50.00	0	94.9	80	120				
Cadmium	46.679	1.0	50.00	0	93.4	80	120				
Chromium	47.797	1.0	50.00	0	95.6	80	120				
Cobalt	48.931	1.0	50.00	0	97.9	80	120				
Copper	48.653	2.0	50.00	0	97.3	80	120				
Lead	47.482	1.0	50.00	0	95.0	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65284** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **LCSS** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	48.592	1.0	50.00	0	97.2	80	120				
Nickel	47.199	1.0	50.00	0	94.4	80	120				
Selenium	43.416	1.0	50.00	0	86.8	80	120				
Silver	47.240	1.0	50.00	0	94.5	80	120				
Thallium	46.884	1.0	50.00	0	93.8	80	120				
Vanadium	46.870	1.0	50.00	0	93.7	80	120				
Zinc	46.310	1.0	50.00	0	92.6	80	120				

Sample ID: **112611-027A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **ZZZZZZ** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970338**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.532	2.0						0.7668	0	20	
Arsenic	ND	1.0						0	0	20	
Barium	119.213	1.0						113.7	4.71	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.559	1.0						0.5412	0	20	
Chromium	18.748	1.0						28.60	41.6	20	R
Cobalt	10.834	1.0						11.15	2.86	20	
Copper	33.210	2.0						30.18	9.56	20	
Lead	250.584	1.0						340.3	30.4	20	R
Molybdenum	1.189	1.0						1.021	15.2	20	
Nickel	19.971	1.0						20.81	4.10	20	
Selenium	0.621	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	103.780	1.0						107.2	3.25	20	
Zinc	704.002	1.0						97.47	151	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112611-027A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **ZZZZZZ** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	80.677	2.0	125.0	0.7668	63.9	32	105				
Arsenic	96.691	1.0	125.0	0	77.4	49	106				
Barium	208.470	1.0	125.0	113.7	75.8	31	133				
Beryllium	99.948	1.0	125.0	0	80.0	56	106				
Cadmium	92.858	1.0	125.0	0.5412	73.9	51	103				
Chromium	119.205	1.0	125.0	28.60	72.5	45	114				
Cobalt	105.510	1.0	125.0	11.15	75.5	52	106				
Copper	145.738	2.0	125.0	30.18	92.4	54	125				
Lead	387.630	1.0	125.0	340.3	37.9	34	126				
Molybdenum	99.500	1.0	125.0	1.021	78.8	54	106				
Nickel	115.519	1.0	125.0	20.81	75.8	45	111				
Selenium	94.762	1.0	125.0	0	75.8	47	104				
Silver	109.153	1.0	125.0	0	87.3	56	112				
Thallium	91.820	1.0	125.0	0	73.5	46	101				
Vanadium	198.817	1.0	125.0	107.2	73.3	54	114				
Zinc	168.393	1.0	125.0	97.47	56.7	28	125				

Sample ID: **112611-027A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **ZZZZZZ** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.317	2.0	125.0	0.7668	62.0	32	105	80.68	2.97	20	
Arsenic	93.109	1.0	125.0	0	74.5	49	106	96.69	3.77	20	
Barium	209.266	1.0	125.0	113.7	76.4	31	133	208.5	0.381	20	
Beryllium	96.931	1.0	125.0	0	77.5	56	106	99.95	3.06	20	
Cadmium	90.987	1.0	125.0	0.5412	72.4	51	103	92.86	2.04	20	
Chromium	119.602	1.0	125.0	28.60	72.8	45	114	119.2	0.333	20	
Cobalt	102.972	1.0	125.0	11.15	73.5	52	106	105.5	2.43	20	
Copper	142.198	2.0	125.0	30.18	89.6	54	125	145.7	2.46	20	
Lead	660.348	1.0	125.0	340.3	256	34	126	387.6	52.0	20	SR

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112611-027A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **ZZZZZZ** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	96.481	1.0	125.0	1.021	76.4	54	106	99.50	3.08	20	
Nickel	118.780	1.0	125.0	20.81	78.4	45	111	115.5	2.78	20	
Selenium	91.032	1.0	125.0	0	72.8	47	104	94.76	4.01	20	
Silver	106.857	1.0	125.0	0	85.5	56	112	109.2	2.13	20	
Thallium	88.064	1.0	125.0	0	70.5	46	101	91.82	4.18	20	
Vanadium	194.353	1.0	125.0	107.2	69.7	54	114	198.8	2.27	20	
Zinc	176.188	1.0	125.0	97.47	63.0	28	125	168.4	4.52	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65288A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122963**
Client ID: **PBS** Batch ID: **65288** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65288** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122963**
Client ID: **LCSS** Batch ID: **65288** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	284.138	5.0	250.0	0	114	80	120				

Sample ID: **112595-013A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122963**
Client ID: **A3-R 3** Batch ID: **65288** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	96.107	5.0						107.4	11.1	20	

Sample ID: **112595-013A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122963**
Client ID: **A3-R 3** Batch ID: **65288** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	347.020	5.0	250.0	107.4	95.8	34	126				

Sample ID: **MB-65288B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122963**
Client ID: **PBS** Batch ID: **65288** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970477**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.325	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112595-029A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122963**
Client ID: **C1-R 6** Batch ID: **65288** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.676	5.0						9.905	25.4	20	R

Sample ID: **112595-029A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122963**
Client ID: **C1-R 6** Batch ID: **65288** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	237.287	5.0	250.0	9.905	91.0	34	126				

Sample ID: **112595-029A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122963**
Client ID: **C1-R 6** Batch ID: **65288** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.262	5.0	250.0	9.905	86.1	34	126	237.3	5.20	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65289A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122964**
Client ID: **PBS** Batch ID: **65289** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970492**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65289** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122964**
Client ID: **LCSS** Batch ID: **65289** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	285.113	5.0	250.0	0	114	80	120				

Sample ID: **112595-039A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122964**
Client ID: **C3-R 3** Batch ID: **65289** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.447	5.0						8.960	24.4	20	R

Sample ID: **112595-039A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122964**
Client ID: **C3-R 3** Batch ID: **65289** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970505**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	226.632	5.0	250.0	8.960	87.1	34	126				

Sample ID: **MB-65289B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122964**
Client ID: **PBS** Batch ID: **65289** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112595-055A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122964**
Client ID: **E1-R 2**	Batch ID: **65289**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.772	5.0						6.757	15.7	20	

Sample ID: **112595-055A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122964**
Client ID: **E1-R 2**	Batch ID: **65289**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	231.483	5.0	250.0	6.757	89.9	34	126				

Sample ID: **112595-055A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122964**
Client ID: **E1-R 2**	Batch ID: **65289**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970519**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	231.105	5.0	250.0	6.757	89.7	34	126	231.5	0.164	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65290A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122965**
Client ID: **PBS** Batch ID: **65290** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970521**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **112595-065A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122965**
Client ID: **E3-R 0.5** Batch ID: **65290** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.825	5.0						7.785	110	20	R

Sample ID: **112595-065A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122965**
Client ID: **E3-R 0.5** Batch ID: **65290** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	228.144	5.0	250.0	7.785	88.1	34	126				

Sample ID: **MB-65290B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122965**
Client ID: **PBS** Batch ID: **65290** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **112595-075A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122965**
Client ID: **F1-R 4** Batch ID: **65290** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.811	5.0						15.11	1.97	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112595-075A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122965**
Client ID: **F1-R 4**	Batch ID: **65290**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	211.341	5.0	250.0	15.11	78.5	34	126				

Sample ID: **112595-075A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122965**
Client ID: **F1-R 4**	Batch ID: **65290**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	189.011	5.0	250.0	15.11	69.6	34	126	211.3	11.2	20	

Sample ID: **LCS-65290**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122965**
Client ID: **LCSS**	Batch ID: **65290**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.655	5.0	250.0	0	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65291A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **PBS** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970851**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65291** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **LCSS** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	275.795	5.0	250.0	0	110	80	120				

Sample ID: **112595-085A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **G1-R 2** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.109	5.0						7.671	27.4	20	R

Sample ID: **112595-085A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **G1-R 2** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.338	5.0	250.0	7.671	85.1	34	126				

Sample ID: **MB-65291B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **PBS** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970865**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112611-002A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **ZZZZZZ** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.885	5.0						4.187	81.0	20	R

Sample ID: **112611-002A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **ZZZZZZ** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	215.966	5.0	250.0	4.187	84.7	34	126				

Sample ID: **112611-002A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **ZZZZZZ** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.674	5.0	250.0	4.187	80.2	34	126	216.0	5.37	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112595-001A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **A1-R 0.5** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **112611-027A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973198**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.100	0.10	5.000	0	102	85	115				

Sample ID: **112611-027A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.070	0.10	5.000	0	101	85	115	5.100	0.590	20	

Sample ID: **LCS-65459** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **LCSS** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.030	0.10	5.000	0	101	85	115				

Sample ID: **MB-65459** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **PBS** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65278** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122931**
Client ID: **PBS** Batch ID: **65278** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65278** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122931**
Client ID: **LCSS** Batch ID: **65278** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.703	0.10	0.8300	0	84.7	80	120				

Sample ID: **112595-018A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122931**
Client ID: **B1-R 3** Batch ID: **65278** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.808	0.10	0.8300	0.04761	91.6	70	130				

Sample ID: **112595-018A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122931**
Client ID: **B1-R 3** Batch ID: **65278** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.813	0.10	0.8300	0.04761	92.2	70	130	0.8082	0.598	20	

Sample ID: **112595-018A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122931**
Client ID: **B1-R 3** Batch ID: **65278** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970052**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.047	0.10						0.04761	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65279** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122937**
Client ID: **PBS** Batch ID: **65279** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65279** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122937**
Client ID: **LCSS** Batch ID: **65279** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970063**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.748	0.10	0.8300	0	90.1	80	120				

Sample ID: **112595-090A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122937**
Client ID: **G2-R 1** Batch ID: **65279** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.296	0.10	0.8300	0.5316	92.1	70	130				

Sample ID: **112595-090A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122937**
Client ID: **G2-R 1** Batch ID: **65279** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970070**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.304	0.10	0.8300	0.5316	93.1	70	130	1.296	0.621	20	

Sample ID: **112595-090A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122937**
Client ID: **G2-R 1** Batch ID: **65279** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.538	0.10						0.5316	1.25	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65280** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **PBS** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65280** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **LCSS** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970095**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.742	0.10	0.8300	0	89.4	80	120				

Sample ID: **112611-065A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **ZZZZZZ** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970096**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.952	0.10	0.8300	0.1229	99.9	70	130				

Sample ID: **112611-065A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **ZZZZZZ** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970097**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.950	0.10	0.8300	0.1229	99.6	70	130	0.9516	0.184	20	

Sample ID: **112611-065A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **ZZZZZZ** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.123	0.10						0.1229	0.360	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112595-092ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **122954**
Client ID: **G2-R 3** Batch ID: **R122954** TestNo: **EPA 9045C** Analysis Date: **7/12/2010** SeqNo: **1970405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.980	0.10						8.150	2.11	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/7/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt (5.6 4.8)
1. CHILLED (Y) N
2. HEADSPACE (VOA) Y N
3. CONTAINER INTACT (Y) N
4. SEALED Y (N)
5. # OF SPLS MATCH COC (Y) N
6. PRESERVED Y (N)

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/6/10 Time: 1630
Received by: (Signature and Printed Name) Mary Date: 7/7/10 Time: 955
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Lauren Vigliotti 7/6/10 (Print Name, Date)
Signature: Lauren Vigliotti

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Bay~~ Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
Randomly select 10% of samples for soil pH

1/2595

	SAMPLE TYPE		SAMPLE ID	DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type	TD (ft)
1/6	DP	✓	A1-R (0.5, 1, 2, 3, 4, 6)	7/6/10	0735				X								X							E	6	TP	6
→	DP	✓	A1-R (0.5)		0735								X				X								1	TP	✓
7/9	HA	✓	A2-R (0.5, 1, 2, ~~3,4,5~~)		0830							X					X								3	TP	2
10/14	HA	✓	A3-R (0.5, 1, 2, 3, 4, ~~5~~)		0900				X								X								5	TP	4
15/20	DP	✓	B1-R (0.5, 1, 2, 3, 4, 6)		0810							X					X								6	TP	6
21/23	HA	✓	B2-R (0.5, 1, 2, ~~3,4,5~~)		0910				X								X								3	TP	2
24/29	DP	✓	C1-R (0.5, 1, 2, 3, 4, 6)		0855				X								X								6	TP	6
30/35	DP	✓	C2-R (0.5, 1, 2, 3, 4, 6)		0915				X								X								6	TP	6
36/40	HA	✓	C3-R (0.5, 1, 2, 3, 4, ~~5~~)		0935				X								X								5	TP	4
																										TP	

- TAT starts 8AM the following day if samples received after 5 PM

TAT: Standard - E

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO (circled), Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature) Lauren Vigliotti

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/6/10 Time: 1630 Received by: (Signature and Printed Name) [illegible] Date: 7/7/10 Time: 955

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: Lauren Vigliotti 7/6/10 (Print Name, Date)
Lauren Vigliotti (Signature)

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Day~~ Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
Randomly select 10% for soil pH (G045)

112595

type			date	time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type	TD
DP ✓	D1-R (0.5, 1, 2, 3, 4, 6)		7/6/10	0940							X					X							E		T P	6
DP ✓	D2-R (0.5, 1, 2, 3, 4, 6)			1000				X								X									T P	6
DP ✓	E1-R (0.5, 1, 2, 3, 4, 6)			1030				X								X									T P	6
DP ✓	E2-R (0.5, 1, 2, 3, 4, 6)			1050				X								X									T P	6
DP ✓	E3-R (0.5, 1, 2, 3, 4, 6)			1105				X								X									T P	6
DP	F1-R (0.5, 1, 2, 3, 4, 6)			1145				X								X									T P	6
↓	F1-R (0.5)			1145							X					X									T P	6
DP	F2-R (0.5, 1, 2, 3, 4, 6)			1215				X								X									T P	6

- TAT starts 8AM the following day if samples received after 5 PM

TAT: Standard - E

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

5.6 4.8

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature) Lauren Vigliotti

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/6/10 Time: 1630
Received by: (Signature and Printed Name) Marge Date: 7/7/10 Time: 955
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Lauren Vigliotti 7/6/10
Print Name Date
Signature: Lauren Vigliotti

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Day~~
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See page 1

112595

	Type			DATE	time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type	TO
8/8	DP	✓	G1-R (0.5, 1, 2, 3, 4, 6)	7/6/10	1240				X									X						E	6	TP	6
8/9	DP	✓	G2-R (0.5, 1, 2, 3, 4, 6)	7/6/10	1250							X						X							6	TP	6
8/10	DP	✓	G3-R (0.5, 1, 2, 3, 4, 6)	7/10/10	1310				X									X							6	TP	5
			~~H1-R (0.5, 1, 2, 3, 4, 6)~~						X									X									
			~~H2-R (0.5, 1, 2, 3, 4, 6)~~						X									X									
			~~I1-R (0.5, 1, 2, 3, 4, 6)~~						X									X									
			~~I2-R (0.5, 1, 2, 3, 4, 6)~~						X									X									
			~~I3-R (0.5, 1, 2, 3, 4, 6)~~						X									X									

- TAT starts 8AM the following day if samples received after 5 PM

TAT: E- Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

July 22, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112595

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 07, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112595

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112595-001A, 112595-007A, 112595-008A, 112595-010A, 112595-021A, 112595-024A and 112595-053A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-001A	A1-R 0.5	12	mg/L	65676	0.50	2	7/6/2010	7/22/2010
112595-002A	A1-R 1	2.5	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-007A	A2-R 0.5	16	mg/L	65676	0.50	2	7/6/2010	7/22/2010
112595-008A	A2-R 1	14	mg/L	65676	0.50	2	7/6/2010	7/22/2010
112595-009A	A2-R 2	5.6	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-010A	A3-R 0.5	13	mg/L	65676	0.50	2	7/6/2010	7/22/2010
112595-011A	A3-R 1	7.1	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-012A	A3-R 2	3.5	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-013A	A3-R 3	6.9	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-021A	B2-R 0.5	17	mg/L	65676	1.0	4	7/6/2010	7/22/2010
112595-022A	B2-R 1	2.3	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-024A	C1-R 0.5	16	mg/L	65676	0.50	2	7/6/2010	7/22/2010
112595-035A	C2-R-6	0.29	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-036A	C3-R 0.5	2.3	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-047A	D2-R 0.5	1.3	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-053A	E1-R 0.5	10	mg/L	65676	0.50	2	7/6/2010	7/22/2010
112595-062A	E2-R 3	0.34	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-068A	E3-R 3	2.0	mg/L	65676	0.25	1	7/6/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-069A	E3-R 4	2.5	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-070A	E3-R 6	3.8	mg/L	65676	0.25	1	7/6/2010	7/22/2010
112595-089A	G2-R 0.5	1.3	mg/L	65677	0.25	1	7/6/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65676A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123535**
Client ID: **PBS** Batch ID: **65676** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981677**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65676** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123535**
Client ID: **LCSS** Batch ID: **65676** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981678**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.043	0.25	5.000	0	101	80	120				

Sample ID: **112595-021A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123535**
Client ID: **B2-R 0.5** Batch ID: **65676** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981689**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.629	1.0						16.52	0.639	20	

Sample ID: **112595-021A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123535**
Client ID: **B2-R 0.5** Batch ID: **65676** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.464	1.0	5.000	16.52	98.8	80	120				

Sample ID: **MB-65676B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123535**
Client ID: **PBS** Batch ID: **65676** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112595-070A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123535**
Client ID: **E3-R 6** Batch ID: **65676** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981702**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.843	0.25						3.839	0.0939	20	

Sample ID: **112595-070A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123535**
Client ID: **E3-R 6** Batch ID: **65676** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.747	0.25	5.000	3.839	98.2	80	120				

Sample ID: **112595-070A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123535**
Client ID: **E3-R 6** Batch ID: **65676** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981704**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.664	0.25	5.000	3.839	96.5	80	120	8.747	0.964	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65677A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123536**
Client ID: **PBS**	Batch ID: **65677**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981705**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65677**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123536**
Client ID: **LCSS**	Batch ID: **65677**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.243	0.25	5.000	0	105	80	120				

Sample ID: **112611-033A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123536**
Client ID: **ZZZZZZ**	Batch ID: **65677**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.114	2.5						47.91	0.427	20	

Sample ID: **112611-033A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123536**
Client ID: **ZZZZZZ**	Batch ID: **65677**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.907	2.5	5.000	47.91	99.9	80	120				

Sample ID: **MB-65677B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123536**
Client ID: **PBS**	Batch ID: **65677**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112611-086A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **ZZZZZZ** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.389	1.2						15.22	1.13	20	

Sample ID: **112611-086A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **ZZZZZZ** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.383	1.2	5.000	15.22	103	80	120				

Sample ID: **112611-086A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **ZZZZZZ** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.458	1.2	5.000	15.22	105	80	120	20.38	0.370	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Livermore Office (Rick Day) [day@geoconinc.com]
Sent: Friday, July 16, 2010 4:40 PM
To: Diane Galvan
Cc: Lauren Vigliotti; David Watts
Subject: RE: Results/EDD - Alameda County Eastbound I-580 Truck Climbing Lane Project (112631)

Hi Diane –

For the Eastbound I-580 Truck Climbing Lane project (Geocon project no. E8435-06-47), please run WET lead on all sample with total lead > 50 mg/kg.

This applies to ATL Nos. 112595, 112611, 112631, and future work orders.

Thanks,
Rick.

July 30, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112595

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 07, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 7/30/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112595
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/7/2010 9:55:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112595-001A	A1-R 0.5	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-007A	A2-R 0.5	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-008A	A2-R 1	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-009A	A2-R 2	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-010A	A3-R 0.5	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-011A	A3-R 1	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-013A	A3-R 3	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-021A	B2-R 0.5	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-024A	C1-R 0.5	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010
112595-053A	E1-R 0.5	ND	mg/L	65880	0.25	1	7/6/2010	7/30/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-65880A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **PBS** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65880** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **LCSS** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.016	0.25	5.000	0	100	80	120				

Sample ID: **112595-053A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **E1-R 0.5** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112595-053A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **E1-R 0.5** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987521**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.371	0.25	5.000	0	107	70	130				

Sample ID: **112611-098A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **ZZZZZZ** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112595
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **112611-098A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **ZZZZZZ** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.467	0.25	5.000	0	109	70	130				

Sample ID: **112611-098A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **ZZZZZZ** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.075	0.25	5.000	0	102	70	130	5.467	7.44	20	

Sample ID: **MB-65880B** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **PBS** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Monday, July 26, 2010 10:11 AM
To: Diane Galvan
Cc: 'Rick Day'; 'David Watts'
Subject: FW: Additional Testing - Pb TCLP and DI-WET

Hi Diane:

For the I-580 EB Truck Climbing Lane project, please analyze samples for WET lead with **total lead concentrations between 50 and 500 mg/kg**. This is a revision to the previous instruction to analyze al samples greater than or equal to 50 mg/kg.

Also, below is the list Dave previously sent you for TCLP and DI-WET lead analyses, but I've added the WO #'s for reference. Thanks for your help!
-Lauren

Pb- TCLP:

WO 112631:
AD1-R-1
AE2-R-0.5

WO 112611:
H2-R-3
K1-R-0.5
L2-R-0.5

WO 112751:
BM2-RW8 1
BM3-RW8 0.5

Pb- DI-WET:

WO 112611:
H1-R-0.5
H2-R-0.5
I1-R-0.5
J1-R-0.5
L1-R-0.5
M1-R-0.5
N1-R-0.5
N1-R-1
O1-R-0.5
O3-R-0.5
P2-R-0.5
Q3-R-0.5

WO 112595:
A1-R-0.5
A2-R-0.5
A2-R-1
A2-R-2
A3-R-0.5

A3-R-1
A3-R-3
B2-R-0.5
C1-R-0.5
E1-R-0.5

WO112631:

R2-R-0.5
S2-R-0.5
S2-R-1
S3-R-0.5
AA1-R-0.5
AA3-R-0.5
AB1-R-2
AB2-R-0.5
AD2-R-0.5
AE1-R-0.5
AE2-R-6
AF2-R-0.5
AF2-R-1
AF2-R-4
AG1-R-0.5

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
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Livermore, CA 94550
Tel (925) 371-5900
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GEOCON

GEOTECHNICAL ENVIRONMENTAL MATERIALS

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July 15, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112611

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 08, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112611

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112611-027AMSD, 112611-045AMS and 112611-045AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112595-085ADUP, 112611-002ADUP, 112611-022ADUP, 112611-027ADUP, 112611-027AMSD, 112611-045ADUP, 112611-055ADUP, 112611-068ADUP, 112611-084ADUP, 112611-107ADUP and 112611-117ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-001A	H1-R 0.5	400	mg/Kg	65291	5.0	1	7/7/2010	7/12/2010
112611-002A	H1-R 1	ND	mg/Kg	65291	5.0	1	7/7/2010	7/12/2010
112611-003A	H2-R 0.5	160	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-004A	H2-R 1	17	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-005A	H2-R 2	25	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-006A	H2-R 3	800	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-007A	H2-R 4	19	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-008A	H2-R 6	ND	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-009A	I1-R 0.5	110	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-010A	I1-R 1	13	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-011A	I1-R 2	7.0	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-012A	I1-R 3	8.5	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-013A	I1-R 4	13	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-014A	I1-R 6	48	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-015A	I2-R 0.5	13	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-016A	I2-R 1	17	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-017A	I2-R 2	9.0	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-018A	I2-R 3	29	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-019A	I2-R 4	13	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-020A	I2-R 6	55	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-021A	I3-R 0.5	16	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-022A	I3-R 1	22	mg/Kg	65292	5.0	1	7/7/2010	7/12/2010
112611-023A	I3-R 2	20	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-024A	I3-R 3	18	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-025A	I3-R 4	17	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-026A	I3-R 6	83	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-030A	J2-R 0.5	ND	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-031A	J2-R 1	140	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-032A	J2-R 2	8.1	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-033A	K1-R 0.5	640	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-034A	K1-R 1	24	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-035A	K1-R 2	5.5	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-036A	K1-R 3	6.9	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-037A	K1-R 4	6.3	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-038A	K1-R 6	ND	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-039A	K2-R 0.5	ND	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-040A	K2-R 1	ND	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-041A	K2-R 2	16	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-042A	K2-R 3	7.3	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-043A	K2-R 4	ND	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-044A	K2-R 6	ND	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-045A	K3-R 0.5	410	mg/Kg	65293	5.0	1	7/7/2010	7/12/2010
112611-046A	K3-R 1	ND	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-047A	K3-R 2	39	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-048A	K3-R 3	16	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-049A	K3-R 4	10	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-050A	L1-R 0.5	240	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-051A	L1-R 1	6.7	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-052A	L1-R 2	ND	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-053A	L1-R 3	ND	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-054A	L1-R 4	ND	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-055A	L1-R 6	ND	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-056A	L2-R 0.5	600	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-057A	L2-R 1	130	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-058A	L2-R 2	6.1	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-059A	M1-R 0.5	160	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-060A	M1-R 1	120	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-061A	M1-R 2	ND	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-062A	M1-R 3	ND	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-063A	M1-R 4	5.5	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-064A	M1-R 6	ND	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-068A	M3-R 0.5	32	mg/Kg	65294	5.0	1	7/7/2010	7/12/2010
112611-069A	M3-R 1	5.5	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-070A	M3-R 2	14	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-071A	M3-R 3	14	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-072A	M3-R 4	12	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-073A	M3-R 6	5.3	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-074A	N1-R 0.5	200	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-075A	N1-R 1	130	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-076A	N1-R 2	10	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-077A	N1-R 3	9.8	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-078A	N1-R 4	11	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-079A	N1-R 6	14	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-086A	O1-R 0.5	420	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-087A	O1-R 1	10	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-088A	O1-R 2	ND	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-089A	O1-R 3	ND	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-090A	O1-R 4	6.4	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-091A	O1-R 6	7.6	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-092A	O2-R 0.5	9.0	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-093A	O2-R 1	9.5	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-094A	O2-R 2	7.4	mg/Kg	65295	5.0	1	7/7/2010	7/12/2010
112611-095A	O2-R 3	10	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-096A	O2-R 4	10	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-097A	O2-R 6	12	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-098A	O3-R 0.5	480	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-099A	O3-R 1	8.8	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-100A	O3-R 2	8.7	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-101A	O3-R 3	9.1	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-102A	O3-R 4	12	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-103A	O3-R 6	13	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-107A	P2-R 0.5	290	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-108A	P2-R 1	42	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-109A	P2-R 2	ND	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-110A	Q1-R 0.5	8.5	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-111A	Q1-R 1	10	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-112A	Q1-R 2	270	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-113A	Q1-R 3	12	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-114A	Q1-R 4	6.0	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-115A	Q1-R 6	11	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-116A	Q2-R 0.5	62	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-117A	Q2-R 1	29	mg/Kg	65296	5.0	1	7/7/2010	7/12/2010
112611-118A	Q2-R 2	10	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010
112611-119A	Q2-R 3	9.4	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010
112611-120A	Q2-R 4	8.2	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010
112611-121A	Q2-R 6	10	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010
112611-122A	Q3-R 0.5	380	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010
112611-123A	Q3-R 1	34	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/15/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-124A	Q3-R 2	19	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010
112611-125A	Q3-R 3	9.9	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010
112611-126A	Q3-R 4	9.7	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010
112611-127A	Q3-R 6	9.6	mg/Kg	65297	5.0	1	7/7/2010	7/12/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/15/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-027A	J1-R 0.5	ND	mg/Kg	65459	0.10	1	7/7/2010	7/14/2010
112611-074A	N1-R 0.5	ND	mg/Kg	65459	0.10	1	7/7/2010	7/14/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/15/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-001A	H1-R 0.5	8.4	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-012A	I1-R 3	8.1	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-023A	I3-R 2	7.6	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-034A	K1-R 1	8.7	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-045A	K3-R 0.5	8.3	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-056A	L2-R 0.5	7.5	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-067A	M2-R 2	8.3	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-078A	N1-R 4	8.2	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-089A	O1-R 3	8.3	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-092A	O2-R 0.5	8.3	pH Units	R123078	0.10	1	7/7/2010	7/14/2010
112611-103A	O3-R 6	8.5	pH Units	R123081	0.10	1	7/7/2010	7/14/2010
112611-114A	Q1-R 4	8.2	pH Units	R123081	0.10	1	7/7/2010	7/14/2010
112611-125A	Q3-R 3	8.0	pH Units	R123081	0.10	1	7/7/2010	7/14/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	J1-R 0.5
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-027A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712A	QC Batch: 65284			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 11:17 AM
Arsenic	ND	1.0		mg/Kg	1	7/12/2010 11:17 AM
Barium	110	1.0		mg/Kg	1	7/12/2010 11:17 AM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 11:17 AM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 11:17 AM
Chromium	29	1.0		mg/Kg	1	7/12/2010 11:17 AM
Cobalt	11	1.0		mg/Kg	1	7/12/2010 11:17 AM
Copper	30	2.0		mg/Kg	1	7/12/2010 11:17 AM
Lead	340	1.0		mg/Kg	1	7/12/2010 11:17 AM
Molybdenum	1.0	1.0		mg/Kg	1	7/12/2010 11:17 AM
Nickel	21	1.0		mg/Kg	1	7/12/2010 11:17 AM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 11:17 AM
Silver	ND	1.0		mg/Kg	1	7/12/2010 11:17 AM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 11:17 AM
Vanadium	110	1.0		mg/Kg	1	7/12/2010 11:17 AM
Zinc	97	1.0		mg/Kg	1	7/12/2010 11:17 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709E	QC Batch: 65280			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/9/2010 05:57 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	J1-R 1
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-028A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:01 PM
Arsenic	ND	1.0		mg/Kg	1	7/13/2010 01:01 PM
Barium	95	1.0		mg/Kg	1	7/13/2010 01:01 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:01 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:01 PM
Chromium	13	1.0		mg/Kg	1	7/13/2010 01:01 PM
Cobalt	9.7	1.0		mg/Kg	1	7/13/2010 01:01 PM
Copper	19	2.0		mg/Kg	1	7/13/2010 01:01 PM
Lead	5.8	1.0		mg/Kg	1	7/13/2010 01:01 PM
Molybdenum	1.2	1.0		mg/Kg	1	7/13/2010 01:01 PM
Nickel	12	1.0		mg/Kg	1	7/13/2010 01:01 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:01 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:01 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 01:01 PM
Vanadium	120	1.0		mg/Kg	1	7/13/2010 01:01 PM
Zinc	40	1.0		mg/Kg	1	7/13/2010 01:01 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709E	QC Batch: 65280			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/9/2010 05:59 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	J1-R 2
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-029A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:04 PM
Arsenic	2.5	1.0		mg/Kg	1	7/13/2010 01:04 PM
Barium	64	1.0		mg/Kg	1	7/13/2010 01:04 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:04 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:04 PM
Chromium	23	1.0		mg/Kg	1	7/13/2010 01:04 PM
Cobalt	9.4	1.0		mg/Kg	1	7/13/2010 01:04 PM
Copper	8.6	2.0		mg/Kg	1	7/13/2010 01:04 PM
Lead	3.6	1.0		mg/Kg	1	7/13/2010 01:04 PM
Molybdenum	ND	1.0		mg/Kg	1	7/13/2010 01:04 PM
Nickel	18	1.0		mg/Kg	1	7/13/2010 01:04 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:04 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:04 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 01:04 PM
Vanadium	48	1.0		mg/Kg	1	7/13/2010 01:04 PM
Zinc	45	1.0		mg/Kg	1	7/13/2010 01:04 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709E	QC Batch: 65280			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.14	0.10		mg/Kg	1	7/9/2010 06:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M2-R 0.5
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-065A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:07 PM
Arsenic	7.1	1.0		mg/Kg	1	7/13/2010 01:07 PM
Barium	110	1.0		mg/Kg	1	7/13/2010 01:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:07 PM
Chromium	27	1.0		mg/Kg	1	7/13/2010 01:07 PM
Cobalt	8.6	1.0		mg/Kg	1	7/13/2010 01:07 PM
Copper	25	2.0		mg/Kg	1	7/13/2010 01:07 PM
Lead	43	1.0		mg/Kg	1	7/13/2010 01:07 PM
Molybdenum	ND	1.0		mg/Kg	1	7/13/2010 01:07 PM
Nickel	39	1.0		mg/Kg	1	7/13/2010 01:07 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:07 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:07 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 01:07 PM
Vanadium	32	1.0		mg/Kg	1	7/13/2010 01:07 PM
Zinc	77	1.0		mg/Kg	1	7/13/2010 01:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100709E	QC Batch: 65280			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/9/2010 05:36 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M2-R 1
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-066A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:11 PM
Arsenic	5.7	1.0		mg/Kg	1	7/13/2010 01:11 PM
Barium	110	1.0		mg/Kg	1	7/13/2010 01:11 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:11 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:11 PM
Chromium	26	1.0		mg/Kg	1	7/13/2010 01:11 PM
Cobalt	9.0	1.0		mg/Kg	1	7/13/2010 01:11 PM
Copper	26	2.0		mg/Kg	1	7/13/2010 01:11 PM
Lead	10	1.0		mg/Kg	1	7/13/2010 01:11 PM
Molybdenum	ND	1.0		mg/Kg	1	7/13/2010 01:11 PM
Nickel	42	1.0		mg/Kg	1	7/13/2010 01:11 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:11 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:11 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 01:11 PM
Vanadium	30	1.0		mg/Kg	1	7/13/2010 01:11 PM
Zinc	66	1.0		mg/Kg	1	7/13/2010 01:11 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 12:41 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M2-R 2
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-067A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:14 PM
Arsenic	3.4	1.0		mg/Kg	1	7/13/2010 01:14 PM
Barium	78	1.0		mg/Kg	1	7/13/2010 01:14 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:14 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:14 PM
Chromium	22	1.0		mg/Kg	1	7/13/2010 01:14 PM
Cobalt	6.1	1.0		mg/Kg	1	7/13/2010 01:14 PM
Copper	5.3	2.0		mg/Kg	1	7/13/2010 01:14 PM
Lead	5.1	1.0		mg/Kg	1	7/13/2010 01:14 PM
Molybdenum	ND	1.0		mg/Kg	1	7/13/2010 01:14 PM
Nickel	21	1.0		mg/Kg	1	7/13/2010 01:14 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:14 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:14 PM
Thallium	1.5	1.0		mg/Kg	1	7/13/2010 01:14 PM
Vanadium	28	1.0		mg/Kg	1	7/13/2010 01:14 PM
Zinc	30	1.0		mg/Kg	1	7/13/2010 01:14 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.23	0.10		mg/Kg	1	7/12/2010 12:43 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	N2-R 0.5
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-080A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:27 PM
Arsenic	5.6	1.0		mg/Kg	1	7/13/2010 01:27 PM
Barium	110	1.0		mg/Kg	1	7/13/2010 01:27 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:27 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:27 PM
Chromium	33	1.0		mg/Kg	1	7/13/2010 01:27 PM
Cobalt	9.7	1.0		mg/Kg	1	7/13/2010 01:27 PM
Copper	40	2.0		mg/Kg	1	7/13/2010 01:27 PM
Lead	220	1.0		mg/Kg	1	7/13/2010 01:27 PM
Molybdenum	1.3	1.0		mg/Kg	1	7/13/2010 01:27 PM
Nickel	40	1.0		mg/Kg	1	7/13/2010 01:27 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:27 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:27 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 01:27 PM
Vanadium	39	1.0		mg/Kg	1	7/13/2010 01:27 PM
Zinc	140	1.0		mg/Kg	1	7/13/2010 01:27 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	0.17	0.10		mg/Kg	1	7/12/2010 12:45 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	N2-R 1
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-081A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:35 PM
Arsenic	5.8	1.0		mg/Kg	1	7/13/2010 01:35 PM
Barium	100	1.0		mg/Kg	1	7/13/2010 01:35 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:35 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:35 PM
Chromium	32	1.0		mg/Kg	1	7/13/2010 01:35 PM
Cobalt	10	1.0		mg/Kg	1	7/13/2010 01:35 PM
Copper	33	2.0		mg/Kg	1	7/13/2010 01:35 PM
Lead	50	1.0		mg/Kg	1	7/13/2010 01:35 PM
Molybdenum	ND	1.0		mg/Kg	1	7/13/2010 01:35 PM
Nickel	47	1.0		mg/Kg	1	7/13/2010 01:35 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:35 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:35 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 01:35 PM
Vanadium	41	1.0		mg/Kg	1	7/13/2010 01:35 PM
Zinc	93	1.0		mg/Kg	1	7/13/2010 01:35 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 12:51 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	N2-R 2
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-082A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:39 PM
Arsenic	ND	1.0		mg/Kg	1	7/13/2010 01:39 PM
Barium	40	1.0		mg/Kg	1	7/13/2010 01:39 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:39 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:39 PM
Chromium	23	1.0		mg/Kg	1	7/13/2010 01:39 PM
Cobalt	5.1	1.0		mg/Kg	1	7/13/2010 01:39 PM
Copper	11	2.0		mg/Kg	1	7/13/2010 01:39 PM
Lead	4.3	1.0		mg/Kg	1	7/13/2010 01:39 PM
Molybdenum	ND	1.0		mg/Kg	1	7/13/2010 01:39 PM
Nickel	34	1.0		mg/Kg	1	7/13/2010 01:39 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:39 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:39 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 01:39 PM
Vanadium	14	1.0		mg/Kg	1	7/13/2010 01:39 PM
Zinc	24	1.0		mg/Kg	1	7/13/2010 01:39 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 12:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	N2-R 3
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-083A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 01:43 PM
Arsenic	ND	1.0		mg/Kg	1	7/13/2010 01:43 PM
Barium	65	1.0		mg/Kg	1	7/13/2010 01:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 01:43 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 01:43 PM
Chromium	33	1.0		mg/Kg	1	7/13/2010 01:43 PM
Cobalt	8.0	1.0		mg/Kg	1	7/13/2010 01:43 PM
Copper	16	2.0		mg/Kg	1	7/13/2010 01:43 PM
Lead	5.0	1.0		mg/Kg	1	7/13/2010 01:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/13/2010 01:43 PM
Nickel	53	1.0		mg/Kg	1	7/13/2010 01:43 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 01:43 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 01:43 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 01:43 PM
Vanadium	21	1.0		mg/Kg	1	7/13/2010 01:43 PM
Zinc	36	1.0		mg/Kg	1	7/13/2010 01:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 12:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	N2-R 4
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-084A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100713B	QC Batch: 65285			PrepDate:	7/9/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/13/2010 12:44 PM
Arsenic	7.1	1.0		mg/Kg	1	7/13/2010 12:44 PM
Barium	96	1.0		mg/Kg	1	7/13/2010 12:44 PM
Beryllium	ND	1.0		mg/Kg	1	7/13/2010 12:44 PM
Cadmium	ND	1.0		mg/Kg	1	7/13/2010 12:44 PM
Chromium	34	1.0		mg/Kg	1	7/13/2010 12:44 PM
Cobalt	13	1.0		mg/Kg	1	7/13/2010 12:44 PM
Copper	38	2.0		mg/Kg	1	7/13/2010 12:44 PM
Lead	11	1.0		mg/Kg	1	7/13/2010 12:44 PM
Molybdenum	ND	1.0		mg/Kg	1	7/13/2010 12:44 PM
Nickel	70	1.0		mg/Kg	1	7/13/2010 12:44 PM
Selenium	ND	1.0		mg/Kg	1	7/13/2010 12:44 PM
Silver	ND	1.0		mg/Kg	1	7/13/2010 12:44 PM
Thallium	ND	1.0		mg/Kg	1	7/13/2010 12:44 PM
Vanadium	46	1.0		mg/Kg	1	7/13/2010 12:44 PM
Zinc	110	1.0		mg/Kg	1	7/13/2010 12:44 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 12:57 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	N2-R 6
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-085A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712D	QC Batch: 65286			PrepDate:	7/12/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 02:44 PM
Arsenic	6.2	1.0		mg/Kg	1	7/12/2010 02:44 PM
Barium	97	1.0		mg/Kg	1	7/12/2010 02:44 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 02:44 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 02:44 PM
Chromium	29	1.0		mg/Kg	1	7/12/2010 02:44 PM
Cobalt	14	1.0		mg/Kg	1	7/12/2010 02:44 PM
Copper	43	2.0		mg/Kg	1	7/12/2010 02:44 PM
Lead	15	1.0		mg/Kg	1	7/12/2010 02:44 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 02:44 PM
Nickel	86	1.0		mg/Kg	1	7/12/2010 02:44 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 02:44 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 02:44 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 02:44 PM
Vanadium	50	1.0		mg/Kg	1	7/12/2010 02:44 PM
Zinc	140	1.0		mg/Kg	1	7/12/2010 02:44 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 12:59 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	P1-R 0.5
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-104A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712D	QC Batch: 65286			PrepDate:	7/12/2010	Analyst: **SRB**
Antimony	2.0	2.0		mg/Kg	1	7/12/2010 02:49 PM
Arsenic	ND	1.0		mg/Kg	1	7/12/2010 02:49 PM
Barium	72	1.0		mg/Kg	1	7/12/2010 02:49 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 02:49 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 02:49 PM
Chromium	20	1.0		mg/Kg	1	7/12/2010 02:49 PM
Cobalt	9.6	1.0		mg/Kg	1	7/12/2010 02:49 PM
Copper	18	2.0		mg/Kg	1	7/12/2010 02:49 PM
Lead	47	1.0		mg/Kg	1	7/12/2010 02:49 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 02:49 PM
Nickel	21	1.0		mg/Kg	1	7/12/2010 02:49 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 02:49 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 02:49 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 02:49 PM
Vanadium	70	1.0		mg/Kg	1	7/12/2010 02:49 PM
Zinc	55	1.0		mg/Kg	1	7/12/2010 02:49 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 01:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	P1-R 1
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-105A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712D	QC Batch: 65286			PrepDate:	7/12/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 02:52 PM
Arsenic	2.3	1.0		mg/Kg	1	7/12/2010 02:52 PM
Barium	44	1.0		mg/Kg	1	7/12/2010 02:52 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 02:52 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 02:52 PM
Chromium	22	1.0		mg/Kg	1	7/12/2010 02:52 PM
Cobalt	8.2	1.0		mg/Kg	1	7/12/2010 02:52 PM
Copper	8.7	2.0		mg/Kg	1	7/12/2010 02:52 PM
Lead	4.1	1.0		mg/Kg	1	7/12/2010 02:52 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 02:52 PM
Nickel	17	1.0		mg/Kg	1	7/12/2010 02:52 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 02:52 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 02:52 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 02:52 PM
Vanadium	55	1.0		mg/Kg	1	7/12/2010 02:52 PM
Zinc	38	1.0		mg/Kg	1	7/12/2010 02:52 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712A	QC Batch: 65281			PrepDate:	7/9/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 12:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *15-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	P1-R 2
Lab Order:	112611	**Collection Date:**	7/7/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112611-106A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100712D	QC Batch: 65286			PrepDate:	7/12/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/12/2010 02:28 PM
Arsenic	1.8	1.0		mg/Kg	1	7/12/2010 02:28 PM
Barium	40	1.0		mg/Kg	1	7/12/2010 02:28 PM
Beryllium	ND	1.0		mg/Kg	1	7/12/2010 02:28 PM
Cadmium	ND	1.0		mg/Kg	1	7/12/2010 02:28 PM
Chromium	23	1.0		mg/Kg	1	7/12/2010 02:28 PM
Cobalt	7.7	1.0		mg/Kg	1	7/12/2010 02:28 PM
Copper	6.6	2.0		mg/Kg	1	7/12/2010 02:28 PM
Lead	2.6	1.0		mg/Kg	1	7/12/2010 02:28 PM
Molybdenum	ND	1.0		mg/Kg	1	7/12/2010 02:28 PM
Nickel	17	1.0		mg/Kg	1	7/12/2010 02:28 PM
Selenium	ND	1.0		mg/Kg	1	7/12/2010 02:28 PM
Silver	ND	1.0		mg/Kg	1	7/12/2010 02:28 PM
Thallium	ND	1.0		mg/Kg	1	7/12/2010 02:28 PM
Vanadium	48	1.0		mg/Kg	1	7/12/2010 02:28 PM
Zinc	37	1.0		mg/Kg	1	7/12/2010 02:28 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100712B	QC Batch: 65287			PrepDate:	7/12/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/12/2010 01:19 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65284** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **PBS** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970334**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65284** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **LCSS** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.414	2.0	50.00	0	94.8	80	120				
Arsenic	44.949	1.0	50.00	0	89.9	80	120				
Barium	48.900	1.0	50.00	0	97.8	80	120				
Beryllium	47.435	1.0	50.00	0	94.9	80	120				
Cadmium	46.679	1.0	50.00	0	93.4	80	120				
Chromium	47.797	1.0	50.00	0	95.6	80	120				
Cobalt	48.931	1.0	50.00	0	97.9	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65284** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **LCSS** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	48.653	2.0	50.00	0	97.3	80	120				
Lead	47.482	1.0	50.00	0	95.0	80	120				
Molybdenum	48.592	1.0	50.00	0	97.2	80	120				
Nickel	47.199	1.0	50.00	0	94.4	80	120				
Selenium	43.416	1.0	50.00	0	86.8	80	120				
Silver	47.240	1.0	50.00	0	94.5	80	120				
Thallium	46.884	1.0	50.00	0	93.8	80	120				
Vanadium	46.870	1.0	50.00	0	93.7	80	120				
Zinc	46.310	1.0	50.00	0	92.6	80	120				

Sample ID: **112611-027A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **J1-R 0.5** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970338**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.532	2.0						0.7668	0	20	
Arsenic	ND	1.0						0	0	20	
Barium	119.213	1.0						113.7	4.71	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.559	1.0						0.5412	0	20	
Chromium	18.748	1.0						28.60	41.6	20	R
Cobalt	10.834	1.0						11.15	2.86	20	
Copper	33.210	2.0						30.18	9.56	20	
Lead	250.584	1.0						340.3	30.4	20	R
Molybdenum	1.189	1.0						1.021	15.2	20	
Nickel	19.971	1.0						20.81	4.10	20	
Selenium	0.621	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	103.780	1.0						107.2	3.25	20	
Zinc	704.002	1.0						97.47	151	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112611-027A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **J1-R 0.5** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	80.677	2.0	125.0	0.7668	63.9	32	105				
Arsenic	96.691	1.0	125.0	0	77.4	49	106				
Barium	208.470	1.0	125.0	113.7	75.8	31	133				
Beryllium	99.948	1.0	125.0	0	80.0	56	106				
Cadmium	92.858	1.0	125.0	0.5412	73.9	51	103				
Chromium	119.205	1.0	125.0	28.60	72.5	45	114				
Cobalt	105.510	1.0	125.0	11.15	75.5	52	106				
Copper	145.738	2.0	125.0	30.18	92.4	54	125				
Lead	387.630	1.0	125.0	340.3	37.9	34	126				
Molybdenum	99.500	1.0	125.0	1.021	78.8	54	106				
Nickel	115.519	1.0	125.0	20.81	75.8	45	111				
Selenium	94.762	1.0	125.0	0	75.8	47	104				
Silver	109.153	1.0	125.0	0	87.3	56	112				
Thallium	91.820	1.0	125.0	0	73.5	46	101				
Vanadium	198.817	1.0	125.0	107.2	73.3	54	114				
Zinc	168.393	1.0	125.0	97.47	56.7	28	125				

Sample ID: **112611-027A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **J1-R 0.5** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.317	2.0	125.0	0.7668	62.0	32	105	80.68	2.97	20	
Arsenic	93.109	1.0	125.0	0	74.5	49	106	96.69	3.77	20	
Barium	209.266	1.0	125.0	113.7	76.4	31	133	208.5	0.381	20	
Beryllium	96.931	1.0	125.0	0	77.5	56	106	99.95	3.06	20	
Cadmium	90.987	1.0	125.0	0.5412	72.4	51	103	92.86	2.04	20	
Chromium	119.602	1.0	125.0	28.60	72.8	45	114	119.2	0.333	20	
Cobalt	102.972	1.0	125.0	11.15	73.5	52	106	105.5	2.43	20	
Copper	142.198	2.0	125.0	30.18	89.6	54	125	145.7	2.46	20	
Lead	660.348	1.0	125.0	340.3	256	34	126	387.6	52.0	20	SR

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112611-027A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122950**
Client ID: **J1-R 0.5** Batch ID: **65284** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	96.481	1.0	125.0	1.021	76.4	54	106	99.50	3.08	20	
Nickel	118.780	1.0	125.0	20.81	78.4	45	111	115.5	2.78	20	
Selenium	91.032	1.0	125.0	0	72.8	47	104	94.76	4.01	20	
Silver	106.857	1.0	125.0	0	85.5	56	112	109.2	2.13	20	
Thallium	88.064	1.0	125.0	0	70.5	46	101	91.82	4.18	20	
Vanadium	194.353	1.0	125.0	107.2	69.7	54	114	198.8	2.27	20	
Zinc	176.188	1.0	125.0	97.47	63.0	28	125	168.4	4.52	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65285** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **123008**
Client ID: **PBS** Batch ID: **65285** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/13/2010** SeqNo: **1971358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	0.226	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.066	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65285** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **123008**
Client ID: **LCSS** Batch ID: **65285** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/13/2010** SeqNo: **1971359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	46.900	2.0	50.00	0	93.8	80	120				
Arsenic	44.773	1.0	50.00	0	89.5	80	120				
Barium	48.031	1.0	50.00	0	96.1	80	120				
Beryllium	46.152	1.0	50.00	0	92.3	80	120				
Cadmium	46.492	1.0	50.00	0	93.0	80	120				
Chromium	47.411	1.0	50.00	0.2264	94.4	80	120				
Cobalt	48.223	1.0	50.00	0	96.4	80	120				
Copper	48.150	2.0	50.00	0	96.3	80	120				
Lead	47.982	1.0	50.00	0	96.0	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65285** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **123008**
Client ID: **LCSS** Batch ID: **65285** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/13/2010** SeqNo: **1971359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	48.267	1.0	50.00	0	96.5	80	120				
Nickel	46.324	1.0	50.00	0.06592	92.5	80	120				
Selenium	43.390	1.0	50.00	0	86.8	80	120				
Silver	46.065	1.0	50.00	0	92.1	80	120				
Thallium	46.978	1.0	50.00	0	94.0	80	120				
Vanadium	47.010	1.0	50.00	0	94.0	80	120				
Zinc	46.094	1.0	50.00	0	92.2	80	120				

Sample ID: **112611-084A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **123008**
Client ID: **N2-R 4** Batch ID: **65285** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/13/2010** SeqNo: **1971361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.909	2.0						1.034	0	20	
Arsenic	7.476	1.0						7.118	4.90	20	
Barium	90.437	1.0						96.07	6.04	20	
Beryllium	0.370	1.0						0.4094	0	20	
Cadmium	0.465	1.0						0.5642	0	20	
Chromium	32.672	1.0						33.91	3.71	20	
Cobalt	10.514	1.0						13.18	22.5	20	R
Copper	31.530	2.0						38.35	19.5	20	
Lead	10.004	1.0						11.46	13.6	20	
Molybdenum	0.264	1.0						0.3081	0	20	
Nickel	58.252	1.0						69.60	17.8	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	40.709	1.0						45.77	11.7	20	
Zinc	95.370	1.0						108.2	12.6	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112611-084A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **123008**
Client ID: **N2-R 4** Batch ID: **65285** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/13/2010** SeqNo: **1971362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	91.003	2.0	125.0	1.034	72.0	32	105				
Arsenic	102.844	1.0	125.0	7.118	76.6	49	106				
Barium	195.047	1.0	125.0	96.07	79.2	31	133				
Beryllium	98.185	1.0	125.0	0.4094	78.2	56	106				
Cadmium	93.913	1.0	125.0	0.5642	74.7	51	103				
Chromium	132.563	1.0	125.0	33.91	78.9	45	114				
Cobalt	106.376	1.0	125.0	13.18	74.6	52	106				
Copper	144.825	2.0	125.0	38.35	85.2	54	125				
Lead	108.135	1.0	125.0	11.46	77.3	34	126				
Molybdenum	95.301	1.0	125.0	0.3081	76.0	54	106				
Nickel	154.883	1.0	125.0	69.60	68.2	45	111				
Selenium	91.383	1.0	125.0	0	73.1	47	104				
Silver	102.844	1.0	125.0	0	82.3	56	112				
Thallium	95.246	1.0	125.0	0	76.2	46	101				
Vanadium	142.799	1.0	125.0	45.77	77.6	54	114				
Zinc	187.514	1.0	125.0	108.2	63.5	28	125				

Sample ID: **112611-084A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **123008**
Client ID: **N2-R 4** Batch ID: **65285** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/13/2010** SeqNo: **1971363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85.435	2.0	125.0	1.034	67.5	32	105	91.00	6.31	20	
Arsenic	100.763	1.0	125.0	7.118	74.9	49	106	102.8	2.04	20	
Barium	187.362	1.0	125.0	96.07	73.0	31	133	195.0	4.02	20	
Beryllium	98.155	1.0	125.0	0.4094	78.2	56	106	98.19	0.0312	20	
Cadmium	92.945	1.0	125.0	0.5642	73.9	51	103	93.91	1.04	20	
Chromium	131.651	1.0	125.0	33.91	78.2	45	114	132.6	0.690	20	
Cobalt	104.946	1.0	125.0	13.18	73.4	52	106	106.4	1.35	20	
Copper	145.373	2.0	125.0	38.35	85.6	54	125	144.8	0.377	20	
Lead	105.536	1.0	125.0	11.46	75.3	34	126	108.1	2.43	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112611-084A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **123008**
Client ID: **N2-R 4** Batch ID: **65285** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/13/2010** SeqNo: **1971363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	94.699	1.0	125.0	0.3081	75.5	54	106	95.30	0.634	20	
Nickel	155.815	1.0	125.0	69.60	69.0	45	111	154.9	0.600	20	
Selenium	88.069	1.0	125.0	0	70.5	47	104	91.38	3.69	20	
Silver	101.243	1.0	125.0	0	81.0	56	112	102.8	1.57	20	
Thallium	92.088	1.0	125.0	0	73.7	46	101	95.25	3.37	20	
Vanadium	142.488	1.0	125.0	45.77	77.4	54	114	142.8	0.218	20	
Zinc	190.305	1.0	125.0	108.2	65.7	28	125	187.5	1.48	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65286** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122959**
Client ID: **PBS** Batch ID: **65286** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	0.033	1.0									
Zinc	0.300	1.0									

Sample ID: **LCS-65286** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122959**
Client ID: **LCSS** Batch ID: **65286** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.971	2.0	50.00	0	87.9	80	120				
Arsenic	42.079	1.0	50.00	0	84.2	80	120				
Barium	46.116	1.0	50.00	0	92.2	80	120				
Beryllium	44.446	1.0	50.00	0	88.9	80	120				
Cadmium	43.540	1.0	50.00	0	87.1	80	120				
Chromium	45.253	1.0	50.00	0	90.5	80	120				
Cobalt	46.072	1.0	50.00	0	92.1	80	120				
Copper	45.482	2.0	50.00	0	91.0	80	120				
Lead	44.453	1.0	50.00	0	88.9	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65286** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122959**
Client ID: **LCSS** Batch ID: **65286** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	44.953	1.0	50.00	0	89.9	80	120				
Nickel	44.407	1.0	50.00	0	88.8	80	120				
Selenium	40.772	1.0	50.00	0	81.5	80	120				
Silver	45.025	1.0	50.00	0	90.0	80	120				
Thallium	43.723	1.0	50.00	0	87.4	80	120				
Vanadium	44.245	1.0	50.00	0.03256	88.4	80	120				
Zinc	43.219	1.0	50.00	0.2999	85.8	80	120				

Sample ID: **112611-106A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122959**
Client ID: **P1-R 2** Batch ID: **65286** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970434**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	92.091	2.0	125.0	0.6428	73.2	32	105				
Arsenic	94.488	1.0	125.0	1.769	74.2	49	106				
Barium	140.548	1.0	125.0	40.39	80.1	31	133				
Beryllium	97.555	1.0	125.0	0	78.0	56	106				
Cadmium	92.128	1.0	125.0	0.3892	73.4	51	103				
Chromium	124.288	1.0	125.0	23.17	80.9	45	114				
Cobalt	102.266	1.0	125.0	7.661	75.7	52	106				
Copper	113.255	2.0	125.0	6.569	85.3	54	125				
Lead	96.622	1.0	125.0	2.627	75.2	34	126				
Molybdenum	95.054	1.0	125.0	0.2563	75.8	54	106				
Nickel	111.464	1.0	125.0	16.73	75.8	45	111				
Selenium	91.010	1.0	125.0	0	72.8	47	104				
Silver	103.912	1.0	125.0	0	83.1	56	112				
Thallium	90.374	1.0	125.0	0	72.3	46	101				
Vanadium	151.866	1.0	125.0	47.54	83.5	54	114				
Zinc	127.510	1.0	125.0	36.85	72.5	28	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112611-106A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122959**
Client ID: **P1-R 2** Batch ID: **65286** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.631	2.0						0.6428	0	20	
Arsenic	1.953	1.0						1.769	9.89	20	
Barium	42.134	1.0						40.39	4.24	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.416	1.0						0.3892	0	20	
Chromium	24.097	1.0						23.17	3.92	20	
Cobalt	8.168	1.0						7.661	6.40	20	
Copper	6.849	2.0						6.569	4.17	20	
Lead	2.963	1.0						2.627	12.0	20	
Molybdenum	0.291	1.0						0.2563	0	20	
Nickel	17.954	1.0						16.73	7.07	20	
Selenium	0.583	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	50.253	1.0						47.54	5.55	20	
Zinc	38.929	1.0						36.85	5.50	20	

Sample ID: **112611-106A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122959**
Client ID: **P1-R 2** Batch ID: **65286** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	88.609	2.0	125.0	0.6428	70.4	32	105	92.09	3.85	20	
Arsenic	89.769	1.0	125.0	1.769	70.4	49	106	94.49	5.12	20	
Barium	134.809	1.0	125.0	40.39	75.5	31	133	140.5	4.17	20	
Beryllium	93.601	1.0	125.0	0	74.9	56	106	97.55	4.14	20	
Cadmium	88.540	1.0	125.0	0.3892	70.5	51	103	92.13	3.97	20	
Chromium	120.940	1.0	125.0	23.17	78.2	45	114	124.3	2.73	20	
Cobalt	98.530	1.0	125.0	7.661	72.7	52	106	102.3	3.72	20	
Copper	109.422	2.0	125.0	6.569	82.3	54	125	113.3	3.44	20	
Lead	92.684	1.0	125.0	2.627	72.0	34	126	96.62	4.16	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112611-106A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122959**
Client ID: **P1-R 2** Batch ID: **65286** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/12/2010** SeqNo: **1970436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	89.297	1.0	125.0	0.2563	71.2	54	106	95.05	6.25	20	
Nickel	107.254	1.0	125.0	16.73	72.4	45	111	111.5	3.85	20	
Selenium	86.569	1.0	125.0	0	69.3	47	104	91.01	5.00	20	
Silver	99.967	1.0	125.0	0	80.0	56	112	103.9	3.87	20	
Thallium	86.828	1.0	125.0	0	69.5	46	101	90.37	4.00	20	
Vanadium	146.113	1.0	125.0	47.54	78.9	54	114	151.9	3.86	20	
Zinc	122.751	1.0	125.0	36.85	68.7	28	125	127.5	3.80	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65291A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **PBS** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970851**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65291** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **LCSS** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	275.795	5.0	250.0	0	110	80	120				

Sample ID: **112595-085A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **ZZZZZZ** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.109	5.0						7.671	27.4	20	R

Sample ID: **112595-085A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **ZZZZZZ** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.338	5.0	250.0	7.671	85.1	34	126				

Sample ID: **MB-65291B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122985**
Client ID: **PBS** Batch ID: **65291** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970865**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112611-002A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122985**
Client ID: **H1-R 1**	Batch ID: **65291**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.885	5.0						4.187	81.0	20	R

Sample ID: **112611-002A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122985**
Client ID: **H1-R 1**	Batch ID: **65291**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	215.966	5.0	250.0	4.187	84.7	34	126				

Sample ID: **112611-002A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122985**
Client ID: **H1-R 1**	Batch ID: **65291**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.674	5.0	250.0	4.187	80.2	34	126	216.0	5.37	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65292A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122987**
Client ID: **PBS**	Batch ID: **65292**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970887**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.131	5.0									

Sample ID: **LCS-65292**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122987**
Client ID: **LCSS**	Batch ID: **65292**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970888**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270.400	5.0	250.0	0.1313	108	80	120				

Sample ID: **112611-012A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122987**
Client ID: **I1-R 3**	Batch ID: **65292**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.007	5.0						8.488	5.94	20	

Sample ID: **112611-012A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122987**
Client ID: **I1-R 3**	Batch ID: **65292**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.182	5.0	250.0	8.488	78.3	34	126				

Sample ID: **MB-65292B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122987**
Client ID: **PBS**	Batch ID: **65292**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112611-022A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122987**
Client ID: **I3-R 1** Batch ID: **65292** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.096	5.0						21.74	21.9	20	R

Sample ID: **112611-022A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122987**
Client ID: **I3-R 1** Batch ID: **65292** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.015	5.0	250.0	21.74	84.1	34	126				

Sample ID: **112611-022A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122987**
Client ID: **I3-R 1** Batch ID: **65292** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	208.094	5.0	250.0	21.74	74.5	34	126	232.0	10.9	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65293A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122988**
Client ID: **PBS**	Batch ID: **65293**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65293**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122988**
Client ID: **LCSS**	Batch ID: **65293**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	259.800	5.0	250.0	0	104	80	120				

Sample ID: **112611-035A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122988**
Client ID: **K1-R 2**	Batch ID: **65293**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.944	5.0						5.493	7.89	20	

Sample ID: **112611-035A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122988**
Client ID: **K1-R 2**	Batch ID: **65293**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.513	5.0	250.0	5.493	86.0	34	126				

Sample ID: **MB-65293B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122988**
Client ID: **PBS**	Batch ID: **65293**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970929**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112611-045A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122988**
Client ID: **K3-R 0.5**	Batch ID: **65293**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	127.891	5.0						407.7	104	20	R

Sample ID: **112611-045A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122988**
Client ID: **K3-R 0.5**	Batch ID: **65293**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	315.826	5.0	250.0	407.7	-36.8	34	126				S

Sample ID: **112611-045A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122988**
Client ID: **K3-R 0.5**	Batch ID: **65293**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	329.303	5.0	250.0	407.7	-31.4	34	126	315.8	4.18	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65294A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122989**
Client ID: **PBS** Batch ID: **65294** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970943**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65294** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122989**
Client ID: **LCSS** Batch ID: **65294** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	275.667	5.0	250.0	0	110	80	120				

Sample ID: **112611-055A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122989**
Client ID: **L1-R 6** Batch ID: **65294** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.885	5.0						3.001	114	20	R

Sample ID: **112611-055A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122989**
Client ID: **L1-R 6** Batch ID: **65294** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970956**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	215.840	5.0	250.0	3.001	85.1	34	126				

Sample ID: **MB-65294B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122989**
Client ID: **PBS** Batch ID: **65294** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1970957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112611-068A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122989**
Client ID: **M3-R 0.5**	Batch ID: **65294**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.904	5.0						31.79	24.3	20	R

Sample ID: **112611-068A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122989**
Client ID: **M3-R 0.5**	Batch ID: **65294**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970969**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	227.501	5.0	250.0	31.79	78.3	34	126				

Sample ID: **112611-068A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122989**
Client ID: **M3-R 0.5**	Batch ID: **65294**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970970**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.839	5.0	250.0	31.79	74.0	34	126	227.5	4.80	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65295A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122990**
Client ID: **PBS**	Batch ID: **65295**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970971**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65295**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122990**
Client ID: **LCSS**	Batch ID: **65295**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970972**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	265.416	5.0	250.0	0	106	80	120				

Sample ID: **112611-078A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122990**
Client ID: **N1-R 4**	Batch ID: **65295**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970983**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.929	5.0						11.29	13.6	20	

Sample ID: **112611-078A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122990**
Client ID: **N1-R 4**	Batch ID: **65295**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.253	5.0	250.0	11.29	83.6	34	126				

Sample ID: **MB-65295B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122990**
Client ID: **PBS**	Batch ID: **65295**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112611-094A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122990**
Client ID: **O2-R 2**	Batch ID: **65295**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970996**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.928	5.0						7.388	6.43	20	

Sample ID: **112611-094A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122990**
Client ID: **O2-R 2**	Batch ID: **65295**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970997**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.879	5.0	250.0	7.388	81.4	34	126				

Sample ID: **112611-094A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122990**
Client ID: **O2-R 2**	Batch ID: **65295**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.605	5.0	250.0	7.388	80.9	34	126	210.9	0.606	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65296A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122991**
Client ID: **PBS**	Batch ID: **65296**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1970999**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65296**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122991**
Client ID: **LCSS**	Batch ID: **65296**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1971000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	237.832	5.0	250.0	0	95.1	80	120				

Sample ID: **112611-107A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122991**
Client ID: **P2-R 0.5**	Batch ID: **65296**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1971011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	362.043	5.0						287.7	22.9	20	R

Sample ID: **112611-107A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122991**
Client ID: **P2-R 0.5**	Batch ID: **65296**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1971012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	544.539	5.0	250.0	287.7	103	34	126				

Sample ID: **MB-65296B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122991**
Client ID: **PBS**	Batch ID: **65296**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1971013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112611-117A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122991**
Client ID: **Q2-R 1**	Batch ID: **65296**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1971024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.379	5.0						29.28	45.8	20	R

Sample ID: **112611-117A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122991**
Client ID: **Q2-R 1**	Batch ID: **65296**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1971025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.936	5.0	250.0	29.28	78.7	34	126				

Sample ID: **112611-117A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/12/2010**	RunNo: **122991**
Client ID: **Q2-R 1**	Batch ID: **65296**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/12/2010**	SeqNo: **1971026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.253	5.0	250.0	29.28	78.4	34	126	225.9	0.303	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65297A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122992**
Client ID: **PBS** Batch ID: **65297** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1971027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65297** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122992**
Client ID: **LCSS** Batch ID: **65297** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1971028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	243.171	5.0	250.0	0	97.3	80	120				

Sample ID: **112611-127A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122992**
Client ID: **Q3-R 6** Batch ID: **65297** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1971039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.494	5.0						9.587	0.980	20	

Sample ID: **112611-127A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122992**
Client ID: **Q3-R 6** Batch ID: **65297** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1971040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	177.017	5.0	250.0	9.587	67.0	34	126				

Sample ID: **112611-127A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122992**
Client ID: **Q3-R 6** Batch ID: **65297** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/12/2010** SeqNo: **1971041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	190.023	5.0	250.0	9.587	72.2	34	126	177.0	7.09	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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Work Order: 112611
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112595-001A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **112611-027A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **J1-R 0.5** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973198**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.100	0.10	5.000	0	102	85	115				

Sample ID: **112611-027A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **J1-R 0.5** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.070	0.10	5.000	0	101	85	115	5.100	0.590	20	

Sample ID: **LCS-65459** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **LCSS** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.030	0.10	5.000	0	101	85	115				

Sample ID: **MB-65459** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **PBS** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

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Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65280** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **PBS** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65280** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **LCSS** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970095**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.742	0.10	0.8300	0	89.4	80	120				

Sample ID: **112611-065A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **M2-R 0.5** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970096**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.952	0.10	0.8300	0.1229	99.9	70	130				

Sample ID: **112611-065A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **M2-R 0.5** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970097**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.950	0.10	0.8300	0.1229	99.6	70	130	0.9516	0.184	20	

Sample ID: **112611-065A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122939**
Client ID: **M2-R 0.5** Batch ID: **65280** TestNo: **EPA 7471A** Analysis Date: **7/9/2010** SeqNo: **1970099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.123	0.10						0.1229	0.360	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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Work Order: 112611
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65281** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122952**
Client ID: **PBS** Batch ID: **65281** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970372**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65281** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122952**
Client ID: **LCSS** Batch ID: **65281** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970373**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.846	0.10	0.8300	0	102	80	120				

Sample ID: **112611-105A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122952**
Client ID: **P1-R 1** Batch ID: **65281** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970374**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.898	0.10	0.8300	0	108	70	130				

Sample ID: **112611-105A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122952**
Client ID: **P1-R 1** Batch ID: **65281** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.899	0.10	0.8300	0	108	70	130	0.8981	0.0846	20	

Sample ID: **112611-105A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/9/2010** RunNo: **122952**
Client ID: **P1-R 1** Batch ID: **65281** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970377**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65287** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122955**
Client ID: **PBS** Batch ID: **65287** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970406**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65287** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122955**
Client ID: **LCSS** Batch ID: **65287** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970407**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.802	0.10	0.8300	0	96.6	80	120				

Sample ID: **112611-106A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122955**
Client ID: **P1-R 2** Batch ID: **65287** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970408**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.861	0.10	0.8300	0.02803	100	70	130				

Sample ID: **112611-106A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122955**
Client ID: **P1-R 2** Batch ID: **65287** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970409**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.857	0.10	0.8300	0.02803	99.9	70	130	0.8613	0.497	20	

Sample ID: **112611-106A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/12/2010** RunNo: **122955**
Client ID: **P1-R 2** Batch ID: **65287** TestNo: **EPA 7471A** Analysis Date: **7/12/2010** SeqNo: **1970411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.028	0.10						0.02803	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112611-092ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123078**
Client ID: **O2-R 0.5** Batch ID: **R123078** TestNo: **EPA 9045C** Analysis Date: **7/14/2010** SeqNo: **1972626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.080	0.10						8.290	2.57	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112610-033ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123081**
Client ID: **ZZZZZZ** Batch ID: **R123081** TestNo: **EPA 9045C** Analysis Date: **7/14/2010** SeqNo: **1972649**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.690	0.10						7.840	1.93	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: Quote #:
Logged By: Date: 7/8/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

8.2 9.0

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/DW (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
CHRIS MERRITT	7-7-10	1645	Mary	7/8/10	8:43

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-7-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
pH (10% RANDOM - LAB)
CALTRANS QA
DO NOT COMPOSITE SAMPLE SETS

					8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
		~~G1-R (0.5, 1, 2, 3, 4, 6)~~						X								X											
		~~G2-R (0.5, 1, 2, 3, 4, 6)~~									X					X											
		~~G3-R (0.5, 1, 2, 3, 4, 6)~~						X								X											
112611 - 01/L		H1-R (0.5, 1, ~~[illegible]~~	7-7-10	VAR				X								X							STD	2	B	P	C
- 3/8		H2-R (0.5, 1, 2, 3, 4, 6)						X								X								6			
- 9/14		I1-R (0.5, 1, 2, 3, 4, 6)						X								X											
- 15/20		I2-R (0.5, 1, 2, 3, 4, 6)						X								X											
- 21/26		I3-R (0.5, 1, 2, 3, 4, 6)						X								X											

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/DW

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-7-10 Time: 1645
Received by: (Signature and Printed Name) Mary [illegible] (Signature) C. MERRITT Date: 7/8/10 Time: 8:43

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: CM 7-7-10
Print Name Date
Signature: CM

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
1126 11 – 27/29	J1-R (0.5, 1, 2, [redacted]	7-7-10	VATL							X					X							STD	3	T	P	C
–	J1-R (0.5)										X				X								1			
-30/32	J2-R (0.5, 1, 2, [redacted])						X								X								3	Bg	P	
-33/38	K1-R (0.5, 1, 2, 3, 4, 6)						X								X								6			
-39/44	K2-R (0.5, 1, 2, 3, 4, 6)						X								X								6			
-45/49	K3-R (0.5, 1, 2, 3, 4, [redacted])						X								X								5			
-50/55	L1-R (0.5, 1, 2, 3, 4, 6)						X								X								6			
-52/58	L2-R (0.5, 1, 2, [redacted])						X								X								3			

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client ATL
FedEx OnTrac
GSO
Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/OW

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-7-10 Time: 1645
Received by: (Signature and Printed Name) Mark [illegible] Date: 7/8/10 Time: 8:43
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) (Signature) C. MERRITT Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-7-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
See Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
1126 11	-59/64	M1-R (0.5, 1, 2, 3, 4, 6)	7-7-10	VAR				X							X							STD	6	Bg	P	C
	-65/67	M2-R (0.5, 1, 2, [redacted]								X					X								3			
	-68/73	M3-R (0.5, 1, 2, 3, 4, 6)						X							X								6	Bg		
	-74/79	N1-R (0.5, 1, 2, 3, 4, 6)						X							X									Bg		
		N1-R (0.5)									X				X								1			
	-80/85	N2-R (0.5, 1, 2, 3, 4, 6)								X					X								6	T		
	-86/91	O1-R (0.5, 1, 2, 3, 4, 6)						X							X									Bg		
	-92/97	O2-R (0.5, 1, 2, 3, 4, 6)						X							X											
	-98/103	O3-R (0.5, 1, 2, 3, 4, 6)						X							X											

- TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client ATL
FedEx OnTrac
GSO
Other:

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/DW (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-7-10 Time: 1645
Received by: (Signature and Printed Name) Margo Date: 7/8/10 Time: 8:43

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-7-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
1126/1 -104/106	P1-R (0.5, 1, 2, ~~3, 4, 6~~)	7-7-10	VOA							X					X							STD	3	T	P	C
-107/109	P2-R (0.5, 1, 2, ~~3, 4, 6~~)						X								X								3	Bag		
-110/115	Q1-R (0,5, 1, 2, 3, 4, 6)						X								X								6			
-116/121	Q2-R (0.5, 1, 2, 3, 4, 6)						X								X											
-122/127	Q3-R (0.5, 1, 2, 3, 4, 6)						X								X											
	~~R1-R (0.5, 1, 2, 3, 4, 6)~~						X								X											
	~~R1-R (0.5)~~									X					X											
	~~R2-R (0.5, 1, 2, 3, 4, 6)~~									X					X											

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

July 22, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112611

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 08, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112611

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112611-001A, 112611-003A, 112611-006A, 112611-027A, 112611-033A, 112611-050A, 112611-056A, 112611-059A, 112611-074A, 112611-086A, 112611-098A, 112611-107A and 112611-122A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-001A	H1-R 0.5	16	mg/L	65677	0.50	2	7/7/2010	7/22/2010
112611-003A	H2-R 0.5	22	mg/L	65677	2.5	10	7/7/2010	7/22/2010
112611-006A	H2-R 3	35	mg/L	65677	2.5	10	7/7/2010	7/22/2010
112611-009A	I1-R 0.5	7.7	mg/L	65677	0.25	1	7/7/2010	7/22/2010
112611-020A	I2-R 6	0.53	mg/L	65677	0.25	1	7/7/2010	7/22/2010
112611-026A	I3-R 6	2.2	mg/L	65677	0.25	1	7/7/2010	7/22/2010
112611-027A	J1-R 0.5	17	mg/L	65677	0.50	2	7/7/2010	7/22/2010
112611-031A	J2-R 1	3.7	mg/L	65677	0.25	1	7/7/2010	7/22/2010
112611-033A	K1-R 0.5	48	mg/L	65677	2.5	10	7/7/2010	7/22/2010
112611-045A	K3-R 0.5	2.8	mg/L	65677	0.25	1	7/7/2010	7/22/2010
112611-050A	L1-R 0.5	17	mg/L	65677	0.50	2	7/7/2010	7/22/2010
112611-056A	L2-R 0.5	57	mg/L	65677	2.5	10	7/7/2010	7/22/2010
112611-057A	L2-R 1	4.6	mg/L	65677	0.25	1	7/7/2010	7/22/2010
112611-059A	M1-R 0.5	12	mg/L	65677	0.50	2	7/7/2010	7/22/2010
112611-060A	M1-R 1	4.5	mg/L	65677	0.25	1	7/7/2010	7/22/2010
112611-074A	N1-R 0.5	9.5	mg/L	65677	0.50	2	7/7/2010	7/22/2010
112611-075A	N1-R 1	5.6	mg/L	65677	0.25	1	7/7/2010	7/22/2010
112611-080A	N2-R 0.5	0.70	mg/L	65677	0.25	1	7/7/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-086A	O1-R 0.5	15	mg/L	65677	1.2	5	7/7/2010	7/22/2010
112611-098A	O3-R 0.5	36	mg/L	65678	2.5	10	7/7/2010	7/22/2010
112611-107A	P2-R 0.5	21	mg/L	65678	2.5	10	7/7/2010	7/22/2010
112611-112A	Q1-R 2	1.3	mg/L	65678	0.25	1	7/7/2010	7/22/2010
112611-116A	Q2-R 0.5	3.3	mg/L	65678	0.25	1	7/7/2010	7/22/2010
112611-122A	Q3-R 0.5	40	mg/L	65678	2.5	10	7/7/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65677A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **PBS** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981705**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65677** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **LCSS** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.243	0.25	5.000	0	105	80	120				

Sample ID: **112611-033A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **K1-R 0.5** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.114	2.5						47.91	0.427	20	

Sample ID: **112611-033A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **K1-R 0.5** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.907	2.5	5.000	47.91	99.9	80	120				

Sample ID: **MB-65677B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **PBS** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112611-086A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **O1-R 0.5** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.389	1.2						15.22	1.13	20	

Sample ID: **112611-086A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **O1-R 0.5** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.383	1.2	5.000	15.22	103	80	120				

Sample ID: **112611-086A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123536**
Client ID: **O1-R 0.5** Batch ID: **65677** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.458	1.2	5.000	15.22	105	80	120	20.38	0.370	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65678A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123537**
Client ID: **PBS**	Batch ID: **65678**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65678**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123537**
Client ID: **LCSS**	Batch ID: **65678**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.254	0.25	5.000	0	105	80	120				

Sample ID: **112631-022A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123537**
Client ID: **ZZZZZZ**	Batch ID: **65678**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.896	0.25						0.8957	0.0430	20	

Sample ID: **112631-022A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123537**
Client ID: **ZZZZZZ**	Batch ID: **65678**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.916	0.25	5.000	0.8957	100	80	120				

Sample ID: **MB-65678B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/20/2010**	RunNo: **123537**
Client ID: **PBS**	Batch ID: **65678**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/22/2010**	SeqNo: **1981747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112631-114A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **ZZZZZZ** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.492	1.2						20.60	0.529	20	

Sample ID: **112631-114A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **ZZZZZZ** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981759**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.630	1.2	5.000	20.60	101	80	120				

Sample ID: **112631-114A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **ZZZZZZ** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.754	1.2	5.000	20.60	103	80	120	25.63	0.482	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Diane Galvan

From: Livermore Office (Rick Day) [day@geoconinc.com]
Sent: Friday, July 16, 2010 4:40 PM
To: Diane Galvan
Cc: Lauren Vigliotti; David Watts
Subject: RE: Results/EDD - Alameda County Eastbound I-580 Truck Climbing Lane Project (112631)

Hi Diane –

For the Eastbound I-580 Truck Climbing Lane project (Geocon project no. E8435-06-47), please run WET lead on all sample with total lead > 50 mg/kg.

This applies to ATL Nos. 112595, 112611, 112631, and future work orders.

Thanks,
Rick.

July 30, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112611

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 08, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112611

CASE NARRATIVE

Analytical Comments for Method 7420

RPD for Duplicate (DUP) is outside criteria for sample 112751-050ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: 7/30/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-001A	H1-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-003A	H2-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-009A	I1-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-027A	J1-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-050A	L1-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-059A	M1-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-074A	N1-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-075A	N1-R 1	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-086A	O1-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-098A	O3-R 0.5	ND	mg/L	65880	0.25	1	7/7/2010	7/30/2010
112611-107A	P2-R 0.5	ND	mg/L	65881	0.25	1	7/7/2010	7/30/2010
112611-122A	Q3-R 0.5	ND	mg/L	65881	0.25	1	7/7/2010	7/30/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 7/30/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (TCLP)
EPA 1311/ 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112611
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/8/2010 8:43:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112611-006A	H2-R 3	1.3	mg/L	65958	0.25	1	7/7/2010	7/30/2010
112611-033A	K1-R 0.5	1.5	mg/L	65958	0.25	1	7/7/2010	7/30/2010
112611-056A	L2-R 0.5	1.6	mg/L	65958	0.25	1	7/7/2010	7/30/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-65880A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **PBS** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65880** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **LCSS** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.016	0.25	5.000	0	100	80	120				

Sample ID: **112595-053A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **ZZZZZZ** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112595-053A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **ZZZZZZ** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987521**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.371	0.25	5.000	0	107	70	130				

Sample ID: **112611-098A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123822**
Client ID: **O3-R 0.5** Batch ID: **65880** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **112611-098A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123822**
Client ID: **O3-R 0.5**	Batch ID: **65880**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **7/30/2010**	SeqNo: **1987533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.467	0.25	5.000	0	109	70	130				

Sample ID: **112611-098A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123822**
Client ID: **O3-R 0.5**	Batch ID: **65880**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **7/30/2010**	SeqNo: **1987534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.075	0.25	5.000	0	102	70	130	5.467	7.44	20	

Sample ID: **MB-65880B**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123822**
Client ID: **PBS**	Batch ID: **65880**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **7/30/2010**	SeqNo: **1987535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-65881A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **PBS** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65881** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **LCSS** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.093	0.25	5.000	0	102	80	120				

Sample ID: **112631-072A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **ZZZZZZ** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112631-072A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **ZZZZZZ** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987549**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.636	0.25	5.000	0	113	70	130				

Sample ID: **112631-138A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **ZZZZZZ** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **112631-138A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **ZZZZZZ** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.465	0.25	5.000	0	109	70	130				

Sample ID: **112631-138A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **ZZZZZZ** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.467	0.25	5.000	0	109	70	130	5.465	0.0366	20	

Sample ID: **MB-65881B** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **PBS** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-65958A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987478**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65958** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **LCSS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.043	0.25	1.000	0	104	80	120				

Sample ID: **112751-050A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.368	0.25						0.4539	21.0	20	R

Sample ID: **112751-050A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.162	0.25	2.500	0.4539	108	70	130				

Sample ID: **112934-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112611
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **112934-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987494**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.880	0.25	2.500	0	115	70	130				

Sample ID: **112934-001A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.865	0.25	2.500	0	115	70	130	2.880	0.522	20	

Sample ID: **MB-65949A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987496**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-65949B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987497**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-65958B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Monday, July 26, 2010 10:11 AM
To: Diane Galvan
Cc: 'Rick Day'; 'David Watts'
Subject: FW: Additional Testing - Pb TCLP and DI-WET

Hi Diane:

For the I-580 EB Truck Climbing Lane project, please analyze samples for WET lead with **total lead concentrations between 50 and 500 mg/kg**. This is a revision to the previous instruction to analyze al samples greater than or equal to 50 mg/kg.

Also, below is the list Dave previously sent you for TCLP and DI-WET lead analyses, but I've added the WO #'s for reference. Thanks for your help!
-Lauren

Pb- TCLP:

WO 112631:
AD1-R-1
AE2-R-0.5

WO 112611:
H2-R-3
K1-R-0.5
L2-R-0.5

WO 112751:
BM2-RW8 1
BM3-RW8 0.5

Pb- DI-WET:

WO 112611:
H1-R-0.5
H2-R-0.5
I1-R-0.5
J1-R-0.5
L1-R-0.5
M1-R-0.5
N1-R-0.5
N1-R-1
O1-R-0.5
O3-R-0.5
P2-R-0.5
Q3-R-0.5

WO 112595:
A1-R-0.5
A2-R-0.5
A2-R-1
A2-R-2
A3-R-0.5

A3-R-1
A3-R-3
B2-R-0.5
C1-R-0.5
E1-R-0.5

WO112631:

R2-R-0.5
S2-R-0.5
S2-R-1
S3-R-0.5
AA1-R-0.5
AA3-R-0.5
AB1-R-2
AB2-R-0.5
AD2-R-0.5
AE1-R-0.5
AE2-R-6
AF2-R-0.5
AF2-R-1
AF2-R-4
AG1-R-0.5

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
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GEOTECHNICAL ENVIRONMENTAL MATERIALS

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July 16, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112631

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 09, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112631

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 112631-108AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112631-014ADUP, 112631-030ADUP, 112631-040ADUP, 112631-050ADUP, 112631-108AMSD, 112631-118ADUP, 112631-131ADUP and 112631-144ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: 7/16/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-001A	R1-R 0.5	20	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-002A	R1-R 1	12	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-003A	R1-R 2	ND	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-004A	R1-R 3	ND	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-009A	S1-R 0.5	5.7	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-010A	S1-R 1	20	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-011A	S1-R 2	7.4	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-012A	S1-R 3	24	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-013A	S1-R 4	ND	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-014A	S1-R 6	9.1	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-015A	S2-R 0.5	100	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-016A	S2-R 1	270	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-017A	S2-R 2	ND	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-018A	S2-R 3	ND	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-019A	S2-R 4	ND	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-020A	S2-R 6	ND	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-021A	S3-R 0.5	140	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-022A	S3-R 1	57	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/16/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-023A	S3-R 2	11	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-024A	S3-R 3	14	mg/Kg	65374	5.0	1	7/8/2010	7/15/2010
112631-025A	S3-R 4	6.6	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-026A	S3-R 6	9.0	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-033A	Y2-RW2 0.5	19	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-034A	Y2-RW2 1	5.5	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-035A	Y2-RW2 2	6.7	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-036A	Y2-RW2 3	7.8	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-037A	Y2-RW2 4	7.8	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-038A	Y2-RW2 6	7.4	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-039A	Z1-R 0.5	6.8	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-040A	Z1-R 1	ND	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-041A	Z1-R 2	8.4	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-042A	Z1-R 3	8.1	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-043A	Z1-R 4	7.3	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-044A	Z1-R 6	5.5	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-045A	Z2-R 0.5	7.1	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-046A	Z2-R 1	7.9	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/16/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-047A	Z2-R 2	7.5	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-048A	Z2-R 3	8.9	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-049A	Z2-R 4	9.8	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-050A	Z2-R 6	10	mg/Kg	65375	5.0	1	7/8/2010	7/15/2010
112631-057A	AA2-R 0.5	95	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-058A	AA2-R 1	7.3	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-059A	AA2-R 2	ND	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-060A	AA2-R 3	ND	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-061A	AA2-R 4	ND	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-062A	AA2-R 6	12	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-063A	AA3-R 0.5	140	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-064A	AA3-R 1	10	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-065A	AA3-R 2	30	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-066A	AB1-R 0.5	44	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-067A	AB1-R 1	60	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-068A	AB1-R 2	210	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-069A	AB1-R 3	8.8	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-070A	AB1-R 4	12	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/16/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-071A	AB1-R 6	38	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-072A	AB2-R 0.5	130	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-073A	AB2-R 1	24	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-074A	AB2-R 2	ND	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-075A	AB2-R 3	ND	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-076A	AB2-R 4	8.4	mg/Kg	65376	5.0	1	7/8/2010	7/15/2010
112631-077A	AB2-R 6	13	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-078A	AC1-R 0.5	8.1	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-079A	AC1-R 1	8.4	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-080A	AC1-R 2	6.3	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-081A	AC1-R 3	9.1	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-082A	AC1-R 4	8.5	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-083A	AC1-R 6	18	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-096A	AD1-R 0.5	ND	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-097A	AD1-R 1	1100	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-098A	AD1-R 2	12	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-099A	AD1-R 3	38	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-100A	AD1-R 4	26	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/16/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-101A	AD1-R 6	7.9	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-102A	AD2-R 0.5	180	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-103A	AD2-R 1	16	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-104A	AD2-R 2	ND	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-105A	AD2-R 3	7.6	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-106A	AD2-R 4	ND	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-107A	AD2-R 6	6.6	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-108A	AE1-R 0.5	390	mg/Kg	65377	5.0	1	7/8/2010	7/15/2010
112631-109A	AE1-R 1	24	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-110A	AE1-R 2	15	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-111A	AE1-R 3	12	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-112A	AE1-R 4	19	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-113A	AE1-R 6	24	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-114A	AE2-R 0.5	570	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-115A	AE2-R 1	18	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-116A	AE2-R 2	71	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-117A	AE2-R 3	7.6	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-118A	AE2-R 4	5.3	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/16/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-119A	AE2-R 6	260	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-120A	AE3-R 0.5	34	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-121A	AE3-R 1	21	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-122A	AE3-R 2	15	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-123A	AE3-R 3	5.7	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-124A	AE3-R 4	6.5	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-125A	AE3-R 6	8.0	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-132A	AF2-R 0.5	360	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-133A	AF2-R 1	160	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-134A	AF2-R 2	13	mg/Kg	65378	5.0	1	7/8/2010	7/15/2010
112631-135A	AF2-R 3	7.5	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-136A	AF2-R 4	210	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-137A	AF2-R 6	42	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-138A	AG1-R 0.5	170	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-139A	AG1-R 1	86	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-140A	AG1-R 2	9.9	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-141A	AG1-R 3	12	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-142A	AG1-R 4	14	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/16/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-143A	AG1-R 6	7.4	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-144A	AG2-R 0.5	14	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-145A	AG2-R 1	20	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-146A	AG2-R 2	15	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-147A	AG2-R 3	20	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-148A	AG2-R 4	8.0	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-149A	AG2-R 6	ND	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-150A	AG3-R 0.5	35	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-151A	AG3-R 1	7.0	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-152A	AG3-R 2	22	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-153A	AG3-R 3	9.5	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-154A	AG3-R 4	5.4	mg/Kg	65379	5.0	1	7/8/2010	7/15/2010
112631-155A	AG3-R 6	5.6	mg/Kg	65380	5.0	1	7/8/2010	7/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/16/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-001A	R1-R 0.5	ND	mg/Kg	65459	0.10	1	7/8/2010	7/14/2010
112631-096A	AD1-R 0.5	ND	mg/Kg	65459	0.10	1	7/8/2010	7/14/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/16/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-003A	R1-R 2	8.4	pH Units	R123170	0.10	1	7/8/2010	7/15/2010
112631-014A	S1-R 6	8.1	pH Units	R123170	0.10	1	7/8/2010	7/15/2010
112631-025A	S3-R 4	8.2	pH Units	R123170	0.10	1	7/8/2010	7/15/2010
112631-036A	Y2-RW2 3	7.3	pH Units	R123170	0.10	1	7/8/2010	7/15/2010
112631-047A	Z2-R 2	8.1	pH Units	R123170	0.10	1	7/8/2010	7/15/2010
112631-058A	AA2-R 1	8.2	pH Units	R123170	0.10	1	7/8/2010	7/15/2010
112631-061A	AA2-R 4	8.4	pH Units	R123203	0.10	1	7/8/2010	7/15/2010
112631-072A	AB2-R 0.5	7.5	pH Units	R123203	0.10	1	7/8/2010	7/15/2010
112631-083A	AC1-R 6	8.2	pH Units	R123203	0.10	1	7/8/2010	7/15/2010
112631-105A	AD2-R 3	8.1	pH Units	R123203	0.10	1	7/8/2010	7/15/2010
112631-116A	AE2-R 2	8.0	pH Units	R123203	0.10	1	7/8/2010	7/15/2010
112631-127A	AF1-R 1	8.2	pH Units	R123203	0.10	1	7/8/2010	7/15/2010
112631-138A	AG1-R 0.5	8.2	pH Units	R123203	0.10	1	7/8/2010	7/15/2010
112631-149A	AG2-R 6	8.1	pH Units	R123203	0.10	1	7/8/2010	7/15/2010
112631-152A	AG3-R 2	8.2	pH Units	R123203	0.10	1	7/8/2010	7/15/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	R2-R 0.5
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-005A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714C	QC Batch: 65368			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 02:15 PM
Arsenic	6.5	1.0		mg/Kg	1	7/14/2010 02:15 PM
Barium	100	1.0		mg/Kg	1	7/14/2010 02:15 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 02:15 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 02:15 PM
Chromium	28	1.0		mg/Kg	1	7/14/2010 02:15 PM
Cobalt	11	1.0		mg/Kg	1	7/14/2010 02:15 PM
Copper	32	2.0		mg/Kg	1	7/14/2010 02:15 PM
Lead	230	1.0		mg/Kg	1	7/14/2010 02:15 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 02:15 PM
Nickel	29	1.0		mg/Kg	1	7/14/2010 02:15 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 02:15 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 02:15 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 02:15 PM
Vanadium	53	1.0		mg/Kg	1	7/14/2010 02:15 PM
Zinc	140	1.0		mg/Kg	1	7/14/2010 02:15 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713B	QC Batch: 65371			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.16	0.10		mg/Kg	1	7/13/2010 05:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	R2-R 1
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-006A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714C	QC Batch: 65368			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 02:27 PM
Arsenic	5.3	1.0		mg/Kg	1	7/14/2010 02:27 PM
Barium	86	1.0		mg/Kg	1	7/14/2010 02:27 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 02:27 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 02:27 PM
Chromium	26	1.0		mg/Kg	1	7/14/2010 02:27 PM
Cobalt	11	1.0		mg/Kg	1	7/14/2010 02:27 PM
Copper	26	2.0		mg/Kg	1	7/14/2010 02:27 PM
Lead	38	1.0		mg/Kg	1	7/14/2010 02:27 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 02:27 PM
Nickel	27	1.0		mg/Kg	1	7/14/2010 02:27 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 02:27 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 02:27 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 02:27 PM
Vanadium	49	1.0		mg/Kg	1	7/14/2010 02:27 PM
Zinc	68	1.0		mg/Kg	1	7/14/2010 02:27 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713B	QC Batch: 65371			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.11	0.10		mg/Kg	1	7/13/2010 05:43 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	R2-R 2
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-007A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714C	QC Batch: 65368			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 02:31 PM
Arsenic	1.7	1.0		mg/Kg	1	7/14/2010 02:31 PM
Barium	55	1.0		mg/Kg	1	7/14/2010 02:31 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 02:31 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 02:31 PM
Chromium	26	1.0		mg/Kg	1	7/14/2010 02:31 PM
Cobalt	11	1.0		mg/Kg	1	7/14/2010 02:31 PM
Copper	16	2.0		mg/Kg	1	7/14/2010 02:31 PM
Lead	3.5	1.0		mg/Kg	1	7/14/2010 02:31 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 02:31 PM
Nickel	23	1.0		mg/Kg	1	7/14/2010 02:31 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 02:31 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 02:31 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 02:31 PM
Vanadium	46	1.0		mg/Kg	1	7/14/2010 02:31 PM
Zinc	59	1.0		mg/Kg	1	7/14/2010 02:31 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713B	QC Batch: 65371			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/13/2010 05:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	R2-R 3
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-008A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714C	QC Batch: 65368			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 02:35 PM
Arsenic	1.1	1.0		mg/Kg	1	7/14/2010 02:35 PM
Barium	51	1.0		mg/Kg	1	7/14/2010 02:35 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 02:35 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 02:35 PM
Chromium	23	1.0		mg/Kg	1	7/14/2010 02:35 PM
Cobalt	11	1.0		mg/Kg	1	7/14/2010 02:35 PM
Copper	15	2.0		mg/Kg	1	7/14/2010 02:35 PM
Lead	3.1	1.0		mg/Kg	1	7/14/2010 02:35 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 02:35 PM
Nickel	23	1.0		mg/Kg	1	7/14/2010 02:35 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 02:35 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 02:35 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 02:35 PM
Vanadium	47	1.0		mg/Kg	1	7/14/2010 02:35 PM
Zinc	57	1.0		mg/Kg	1	7/14/2010 02:35 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713B	QC Batch: 65371			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/13/2010 05:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Y1-RW2 0.5
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-027A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714C	QC Batch: 65368			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 02:39 PM
Arsenic	7.3	1.0		mg/Kg	1	7/14/2010 02:39 PM
Barium	67	1.0		mg/Kg	1	7/14/2010 02:39 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 02:39 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 02:39 PM
Chromium	23	1.0		mg/Kg	1	7/14/2010 02:39 PM
Cobalt	10	1.0		mg/Kg	1	7/14/2010 02:39 PM
Copper	18	2.0		mg/Kg	1	7/14/2010 02:39 PM
Lead	7.7	1.0		mg/Kg	1	7/14/2010 02:39 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 02:39 PM
Nickel	21	1.0		mg/Kg	1	7/14/2010 02:39 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 02:39 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 02:39 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 02:39 PM
Vanadium	49	1.0		mg/Kg	1	7/14/2010 02:39 PM
Zinc	58	1.0		mg/Kg	1	7/14/2010 02:39 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713B	QC Batch: 65371			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.51	0.10		mg/Kg	1	7/13/2010 05:49 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Y1-RW2 1
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-028A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714C	QC Batch: 65368			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 02:43 PM
Arsenic	5.8	1.0		mg/Kg	1	7/14/2010 02:43 PM
Barium	72	1.0		mg/Kg	1	7/14/2010 02:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 02:43 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 02:43 PM
Chromium	26	1.0		mg/Kg	1	7/14/2010 02:43 PM
Cobalt	8.9	1.0		mg/Kg	1	7/14/2010 02:43 PM
Copper	22	2.0		mg/Kg	1	7/14/2010 02:43 PM
Lead	20	1.0		mg/Kg	1	7/14/2010 02:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 02:43 PM
Nickel	23	1.0		mg/Kg	1	7/14/2010 02:43 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 02:43 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 02:43 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 02:43 PM
Vanadium	45	1.0		mg/Kg	1	7/14/2010 02:43 PM
Zinc	65	1.0		mg/Kg	1	7/14/2010 02:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713B	QC Batch: 65371			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.46	0.10		mg/Kg	1	7/13/2010 05:52 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Y1-RW2 2
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-029A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714C	QC Batch: 65368			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 02:47 PM
Arsenic	9.8	1.0		mg/Kg	1	7/14/2010 02:47 PM
Barium	67	1.0		mg/Kg	1	7/14/2010 02:47 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 02:47 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 02:47 PM
Chromium	20	1.0		mg/Kg	1	7/14/2010 02:47 PM
Cobalt	7.5	1.0		mg/Kg	1	7/14/2010 02:47 PM
Copper	43	2.0		mg/Kg	1	7/14/2010 02:47 PM
Lead	12	1.0		mg/Kg	1	7/14/2010 02:47 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 02:47 PM
Nickel	25	1.0		mg/Kg	1	7/14/2010 02:47 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 02:47 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 02:47 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 02:47 PM
Vanadium	36	1.0		mg/Kg	1	7/14/2010 02:47 PM
Zinc	77	1.0		mg/Kg	1	7/14/2010 02:47 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713B	QC Batch: 65371			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.44	0.10		mg/Kg	1	7/13/2010 05:54 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Y1-RW2 3
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-030A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714C	QC Batch: 65368			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 01:59 PM
Arsenic	4.8	1.0		mg/Kg	1	7/14/2010 01:59 PM
Barium	87	1.0		mg/Kg	1	7/14/2010 01:59 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 01:59 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 01:59 PM
Chromium	23	1.0		mg/Kg	1	7/14/2010 01:59 PM
Cobalt	9.4	1.0		mg/Kg	1	7/14/2010 01:59 PM
Copper	29	2.0		mg/Kg	1	7/14/2010 01:59 PM
Lead	7.2	1.0		mg/Kg	1	7/14/2010 01:59 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 01:59 PM
Nickel	23	1.0		mg/Kg	1	7/14/2010 01:59 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 01:59 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 01:59 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 01:59 PM
Vanadium	44	1.0		mg/Kg	1	7/14/2010 01:59 PM
Zinc	55	1.0		mg/Kg	1	7/14/2010 01:59 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713B	QC Batch: 65371			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.26	0.10		mg/Kg	1	7/13/2010 05:29 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Y1-RW2 4
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-031A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369				PrepDate: 7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 05:42 PM
Arsenic	5.6	1.0		mg/Kg	1	7/14/2010 05:42 PM
Barium	94	1.0		mg/Kg	1	7/14/2010 05:42 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 05:42 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 05:42 PM
Chromium	24	1.0		mg/Kg	1	7/14/2010 05:42 PM
Cobalt	10	1.0		mg/Kg	1	7/14/2010 05:42 PM
Copper	19	2.0		mg/Kg	1	7/14/2010 05:42 PM
Lead	5.7	1.0		mg/Kg	1	7/14/2010 05:42 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 05:42 PM
Nickel	24	1.0		mg/Kg	1	7/14/2010 05:42 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 05:42 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 05:42 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 05:42 PM
Vanadium	48	1.0		mg/Kg	1	7/14/2010 05:42 PM
Zinc	53	1.0		mg/Kg	1	7/14/2010 05:42 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372				PrepDate: 7/13/2010	Analyst: **IL**
Mercury	0.22	0.10		mg/Kg	1	7/13/2010 06:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Y1-RW2 6
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-032A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 05:46 PM
Arsenic	4.9	1.0		mg/Kg	1	7/14/2010 05:46 PM
Barium	99	1.0		mg/Kg	1	7/14/2010 05:46 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 05:46 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 05:46 PM
Chromium	25	1.0		mg/Kg	1	7/14/2010 05:46 PM
Cobalt	10	1.0		mg/Kg	1	7/14/2010 05:46 PM
Copper	19	2.0		mg/Kg	1	7/14/2010 05:46 PM
Lead	5.8	1.0		mg/Kg	1	7/14/2010 05:46 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 05:46 PM
Nickel	27	1.0		mg/Kg	1	7/14/2010 05:46 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 05:46 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 05:46 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 05:46 PM
Vanadium	47	1.0		mg/Kg	1	7/14/2010 05:46 PM
Zinc	52	1.0		mg/Kg	1	7/14/2010 05:46 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.26	0.10		mg/Kg	1	7/13/2010 06:18 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA1-R 0.5
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-051A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 05:50 PM
Arsenic	5.3	1.0		mg/Kg	1	7/14/2010 05:50 PM
Barium	130	1.0		mg/Kg	1	7/14/2010 05:50 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 05:50 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 05:50 PM
Chromium	25	1.0		mg/Kg	1	7/14/2010 05:50 PM
Cobalt	9.5	1.0		mg/Kg	1	7/14/2010 05:50 PM
Copper	34	2.0		mg/Kg	1	7/14/2010 05:50 PM
Lead	280	1.0		mg/Kg	1	7/14/2010 05:50 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 05:50 PM
Nickel	28	1.0		mg/Kg	1	7/14/2010 05:50 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 05:50 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 05:50 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 05:50 PM
Vanadium	46	1.0		mg/Kg	1	7/14/2010 05:50 PM
Zinc	210	1.0		mg/Kg	1	7/14/2010 05:50 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.28	0.10		mg/Kg	1	7/13/2010 06:20 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA1-R 1
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-052A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 06:06 PM
Arsenic	4.5	1.0		mg/Kg	1	7/14/2010 06:06 PM
Barium	90	1.0		mg/Kg	1	7/14/2010 06:06 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 06:06 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 06:06 PM
Chromium	24	1.0		mg/Kg	1	7/14/2010 06:06 PM
Cobalt	11	1.0		mg/Kg	1	7/14/2010 06:06 PM
Copper	23	2.0		mg/Kg	1	7/14/2010 06:06 PM
Lead	7.1	1.0		mg/Kg	1	7/14/2010 06:06 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 06:06 PM
Nickel	26	1.0		mg/Kg	1	7/14/2010 06:06 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 06:06 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 06:06 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 06:06 PM
Vanadium	48	1.0		mg/Kg	1	7/14/2010 06:06 PM
Zinc	59	1.0		mg/Kg	1	7/14/2010 06:06 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.43	0.10		mg/Kg	1	7/13/2010 06:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA1-R 2
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-053A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 06:10 PM
Arsenic	4.5	1.0		mg/Kg	1	7/14/2010 06:10 PM
Barium	67	1.0		mg/Kg	1	7/14/2010 06:10 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 06:10 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 06:10 PM
Chromium	22	1.0		mg/Kg	1	7/14/2010 06:10 PM
Cobalt	10	1.0		mg/Kg	1	7/14/2010 06:10 PM
Copper	21	2.0		mg/Kg	1	7/14/2010 06:10 PM
Lead	8.2	1.0		mg/Kg	1	7/14/2010 06:10 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 06:10 PM
Nickel	26	1.0		mg/Kg	1	7/14/2010 06:10 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 06:10 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 06:10 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 06:10 PM
Vanadium	41	1.0		mg/Kg	1	7/14/2010 06:10 PM
Zinc	53	1.0		mg/Kg	1	7/14/2010 06:10 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.23	0.10		mg/Kg	1	7/13/2010 06:24 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA1-R 3
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-054A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369				PrepDate: 7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 06:14 PM
Arsenic	4.7	1.0		mg/Kg	1	7/14/2010 06:14 PM
Barium	70	1.0		mg/Kg	1	7/14/2010 06:14 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 06:14 PM
Cadmium	1.3	1.0		mg/Kg	1	7/14/2010 06:14 PM
Chromium	21	1.0		mg/Kg	1	7/14/2010 06:14 PM
Cobalt	10	1.0		mg/Kg	1	7/14/2010 06:14 PM
Copper	36	2.0		mg/Kg	1	7/14/2010 06:14 PM
Lead	13	1.0		mg/Kg	1	7/14/2010 06:14 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 06:14 PM
Nickel	25	1.0		mg/Kg	1	7/14/2010 06:14 PM
Selenium	1.2	1.0		mg/Kg	1	7/14/2010 06:14 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 06:14 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 06:14 PM
Vanadium	58	1.0		mg/Kg	1	7/14/2010 06:14 PM
Zinc	75	1.0		mg/Kg	1	7/14/2010 06:14 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372				PrepDate: 7/13/2010	Analyst: **IL**
Mercury	0.22	0.10		mg/Kg	1	7/13/2010 06:26 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA1-R 4
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-055A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 06:19 PM
Arsenic	4.1	1.0		mg/Kg	1	7/14/2010 06:19 PM
Barium	72	1.0		mg/Kg	1	7/14/2010 06:19 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 06:19 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 06:19 PM
Chromium	20	1.0		mg/Kg	1	7/14/2010 06:19 PM
Cobalt	13	1.0		mg/Kg	1	7/14/2010 06:19 PM
Copper	21	2.0		mg/Kg	1	7/14/2010 06:19 PM
Lead	5.1	1.0		mg/Kg	1	7/14/2010 06:19 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 06:19 PM
Nickel	30	1.0		mg/Kg	1	7/14/2010 06:19 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 06:19 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 06:19 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 06:19 PM
Vanadium	40	1.0		mg/Kg	1	7/14/2010 06:19 PM
Zinc	57	1.0		mg/Kg	1	7/14/2010 06:19 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.20	0.10		mg/Kg	1	7/13/2010 06:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA1-R 6
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-056A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 06:23 PM
Arsenic	5.0	1.0		mg/Kg	1	7/14/2010 06:23 PM
Barium	66	1.0		mg/Kg	1	7/14/2010 06:23 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 06:23 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 06:23 PM
Chromium	23	1.0		mg/Kg	1	7/14/2010 06:23 PM
Cobalt	11	1.0		mg/Kg	1	7/14/2010 06:23 PM
Copper	29	2.0		mg/Kg	1	7/14/2010 06:23 PM
Lead	7.4	1.0		mg/Kg	1	7/14/2010 06:23 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 06:23 PM
Nickel	25	1.0		mg/Kg	1	7/14/2010 06:23 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 06:23 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 06:23 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 06:23 PM
Vanadium	45	1.0		mg/Kg	1	7/14/2010 06:23 PM
Zinc	60	1.0		mg/Kg	1	7/14/2010 06:23 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.26	0.10		mg/Kg	1	7/13/2010 06:35 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC2-R 0.5
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-084A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 06:27 PM
Arsenic	5.7	1.0		mg/Kg	1	7/14/2010 06:27 PM
Barium	84	1.0		mg/Kg	1	7/14/2010 06:27 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 06:27 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 06:27 PM
Chromium	20	1.0		mg/Kg	1	7/14/2010 06:27 PM
Cobalt	11	1.0		mg/Kg	1	7/14/2010 06:27 PM
Copper	25	2.0		mg/Kg	1	7/14/2010 06:27 PM
Lead	26	1.0		mg/Kg	1	7/14/2010 06:27 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 06:27 PM
Nickel	27	1.0		mg/Kg	1	7/14/2010 06:27 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 06:27 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 06:27 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 06:27 PM
Vanadium	38	1.0		mg/Kg	1	7/14/2010 06:27 PM
Zinc	70	1.0		mg/Kg	1	7/14/2010 06:27 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.29	0.10		mg/Kg	1	7/13/2010 06:37 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC2-R 1
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-085A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714F	QC Batch: 65369			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 03:10 PM
Arsenic	5.7	1.0		mg/Kg	1	7/14/2010 03:10 PM
Barium	90	1.0		mg/Kg	1	7/14/2010 03:10 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 03:10 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 03:10 PM
Chromium	19	1.0		mg/Kg	1	7/14/2010 03:10 PM
Cobalt	13	1.0		mg/Kg	1	7/14/2010 03:10 PM
Copper	21	2.0		mg/Kg	1	7/14/2010 03:10 PM
Lead	11	1.0		mg/Kg	1	7/14/2010 03:10 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 03:10 PM
Nickel	30	1.0		mg/Kg	1	7/14/2010 03:10 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 03:10 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 03:10 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 03:10 PM
Vanadium	36	1.0		mg/Kg	1	7/14/2010 03:10 PM
Zinc	65	1.0		mg/Kg	1	7/14/2010 03:10 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713C	QC Batch: 65372			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.36	0.10		mg/Kg	1	7/13/2010 06:12 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC2-R 2
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-086A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:07 PM
Arsenic	2.8	1.0		mg/Kg	1	7/14/2010 07:07 PM
Barium	100	1.0		mg/Kg	1	7/14/2010 07:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:07 PM
Chromium	16	1.0		mg/Kg	1	7/14/2010 07:07 PM
Cobalt	13	1.0		mg/Kg	1	7/14/2010 07:07 PM
Copper	18	2.0		mg/Kg	1	7/14/2010 07:07 PM
Lead	5.2	1.0		mg/Kg	1	7/14/2010 07:07 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:07 PM
Nickel	29	1.0		mg/Kg	1	7/14/2010 07:07 PM
Selenium	1.3	1.0		mg/Kg	1	7/14/2010 07:07 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:07 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:07 PM
Vanadium	32	1.0		mg/Kg	1	7/14/2010 07:07 PM
Zinc	55	1.0		mg/Kg	1	7/14/2010 07:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.22	0.10		mg/Kg	1	7/13/2010 06:59 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC2-R 3
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-087A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:11 PM
Arsenic	3.0	1.0		mg/Kg	1	7/14/2010 07:11 PM
Barium	240	1.0		mg/Kg	1	7/14/2010 07:11 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:11 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:11 PM
Chromium	18	1.0		mg/Kg	1	7/14/2010 07:11 PM
Cobalt	13	1.0		mg/Kg	1	7/14/2010 07:11 PM
Copper	18	2.0		mg/Kg	1	7/14/2010 07:11 PM
Lead	5.6	1.0		mg/Kg	1	7/14/2010 07:11 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:11 PM
Nickel	29	1.0		mg/Kg	1	7/14/2010 07:11 PM
Selenium	1.1	1.0		mg/Kg	1	7/14/2010 07:11 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:11 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:11 PM
Vanadium	28	1.0		mg/Kg	1	7/14/2010 07:11 PM
Zinc	56	1.0		mg/Kg	1	7/14/2010 07:11 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.20	0.10		mg/Kg	1	7/13/2010 07:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC2-R 4
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-088A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370				PrepDate: 7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:15 PM
Arsenic	6.0	1.0		mg/Kg	1	7/14/2010 07:15 PM
Barium	84	1.0		mg/Kg	1	7/14/2010 07:15 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:15 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:15 PM
Chromium	18	1.0		mg/Kg	1	7/14/2010 07:15 PM
Cobalt	11	1.0		mg/Kg	1	7/14/2010 07:15 PM
Copper	28	2.0		mg/Kg	1	7/14/2010 07:15 PM
Lead	8.1	1.0		mg/Kg	1	7/14/2010 07:15 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:15 PM
Nickel	25	1.0		mg/Kg	1	7/14/2010 07:15 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 07:15 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:15 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:15 PM
Vanadium	26	1.0		mg/Kg	1	7/14/2010 07:15 PM
Zinc	60	1.0		mg/Kg	1	7/14/2010 07:15 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373				PrepDate: 7/13/2010	Analyst: **IL**
Mercury	0.31	0.10		mg/Kg	1	7/13/2010 07:03 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC2-R 6
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-089A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:19 PM
Arsenic	7.6	1.0		mg/Kg	1	7/14/2010 07:19 PM
Barium	52	1.0		mg/Kg	1	7/14/2010 07:19 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:19 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:19 PM
Chromium	23	1.0		mg/Kg	1	7/14/2010 07:19 PM
Cobalt	17	1.0		mg/Kg	1	7/14/2010 07:19 PM
Copper	39	2.0		mg/Kg	1	7/14/2010 07:19 PM
Lead	11	1.0		mg/Kg	1	7/14/2010 07:19 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:19 PM
Nickel	40	1.0		mg/Kg	1	7/14/2010 07:19 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 07:19 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:19 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:19 PM
Vanadium	40	1.0		mg/Kg	1	7/14/2010 07:19 PM
Zinc	86	1.0		mg/Kg	1	7/14/2010 07:19 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.21	0.10		mg/Kg	1	7/13/2010 07:05 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF1-R 0.5
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-126A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:23 PM
Arsenic	6.5	1.0		mg/Kg	1	7/14/2010 07:23 PM
Barium	68	1.0		mg/Kg	1	7/14/2010 07:23 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:23 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:23 PM
Chromium	22	1.0		mg/Kg	1	7/14/2010 07:23 PM
Cobalt	9.8	1.0		mg/Kg	1	7/14/2010 07:23 PM
Copper	30	2.0		mg/Kg	1	7/14/2010 07:23 PM
Lead	18	1.0		mg/Kg	1	7/14/2010 07:23 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:23 PM
Nickel	27	1.0		mg/Kg	1	7/14/2010 07:23 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 07:23 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:23 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:23 PM
Vanadium	36	1.0		mg/Kg	1	7/14/2010 07:23 PM
Zinc	68	1.0		mg/Kg	1	7/14/2010 07:23 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.86	0.10		mg/Kg	1	7/13/2010 07:07 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF1-R 1
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-127A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:27 PM
Arsenic	6.7	1.0		mg/Kg	1	7/14/2010 07:27 PM
Barium	350	1.0		mg/Kg	1	7/14/2010 07:27 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:27 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:27 PM
Chromium	24	1.0		mg/Kg	1	7/14/2010 07:27 PM
Cobalt	21	1.0		mg/Kg	1	7/14/2010 07:27 PM
Copper	37	2.0		mg/Kg	1	7/14/2010 07:27 PM
Lead	14	1.0		mg/Kg	1	7/14/2010 07:27 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:27 PM
Nickel	37	1.0		mg/Kg	1	7/14/2010 07:27 PM
Selenium	1.5	1.0		mg/Kg	1	7/14/2010 07:27 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:27 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:27 PM
Vanadium	38	1.0		mg/Kg	1	7/14/2010 07:27 PM
Zinc	84	1.0		mg/Kg	1	7/14/2010 07:27 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.27	0.10		mg/Kg	1	7/13/2010 07:09 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF1-R 2
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-128A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370				PrepDate: 7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:31 PM
Arsenic	4.4	1.0		mg/Kg	1	7/14/2010 07:31 PM
Barium	79	1.0		mg/Kg	1	7/14/2010 07:31 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:31 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:31 PM
Chromium	21	1.0		mg/Kg	1	7/14/2010 07:31 PM
Cobalt	10	1.0		mg/Kg	1	7/14/2010 07:31 PM
Copper	24	2.0		mg/Kg	1	7/14/2010 07:31 PM
Lead	10	1.0		mg/Kg	1	7/14/2010 07:31 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:31 PM
Nickel	24	1.0		mg/Kg	1	7/14/2010 07:31 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 07:31 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:31 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:31 PM
Vanadium	41	1.0		mg/Kg	1	7/14/2010 07:31 PM
Zinc	76	1.0		mg/Kg	1	7/14/2010 07:31 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373				PrepDate: 7/13/2010	Analyst: **IL**
Mercury	0.55	0.10		mg/Kg	1	7/13/2010 07:11 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF1-R 3
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-129A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:43 PM
Arsenic	5.2	1.0		mg/Kg	1	7/14/2010 07:43 PM
Barium	70	1.0		mg/Kg	1	7/14/2010 07:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:43 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:43 PM
Chromium	18	1.0		mg/Kg	1	7/14/2010 07:43 PM
Cobalt	7.4	1.0		mg/Kg	1	7/14/2010 07:43 PM
Copper	21	2.0		mg/Kg	1	7/14/2010 07:43 PM
Lead	5.9	1.0		mg/Kg	1	7/14/2010 07:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:43 PM
Nickel	20	1.0		mg/Kg	1	7/14/2010 07:43 PM
Selenium	1.2	1.0		mg/Kg	1	7/14/2010 07:43 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:43 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:43 PM
Vanadium	32	1.0		mg/Kg	1	7/14/2010 07:43 PM
Zinc	52	1.0		mg/Kg	1	7/14/2010 07:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.39	0.10		mg/Kg	1	7/13/2010 07:13 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF1-R 4
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-130A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 07:47 PM
Arsenic	4.3	1.0		mg/Kg	1	7/14/2010 07:47 PM
Barium	110	1.0		mg/Kg	1	7/14/2010 07:47 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 07:47 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 07:47 PM
Chromium	20	1.0		mg/Kg	1	7/14/2010 07:47 PM
Cobalt	8.2	1.0		mg/Kg	1	7/14/2010 07:47 PM
Copper	16	2.0		mg/Kg	1	7/14/2010 07:47 PM
Lead	5.4	1.0		mg/Kg	1	7/14/2010 07:47 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 07:47 PM
Nickel	21	1.0		mg/Kg	1	7/14/2010 07:47 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 07:47 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 07:47 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 07:47 PM
Vanadium	41	1.0		mg/Kg	1	7/14/2010 07:47 PM
Zinc	53	1.0		mg/Kg	1	7/14/2010 07:47 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.17	0.10		mg/Kg	1	7/13/2010 07:15 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *16-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF1-R 6
Lab Order:	112631	**Collection Date:**	7/8/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112631-131A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100714G	QC Batch: 65370			PrepDate:	7/13/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/14/2010 06:43 PM
Arsenic	2.7	1.0		mg/Kg	1	7/14/2010 06:43 PM
Barium	48	1.0		mg/Kg	1	7/14/2010 06:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/14/2010 06:43 PM
Cadmium	ND	1.0		mg/Kg	1	7/14/2010 06:43 PM
Chromium	16	1.0		mg/Kg	1	7/14/2010 06:43 PM
Cobalt	6.1	1.0		mg/Kg	1	7/14/2010 06:43 PM
Copper	11	2.0		mg/Kg	1	7/14/2010 06:43 PM
Lead	7.4	1.0		mg/Kg	1	7/14/2010 06:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/14/2010 06:43 PM
Nickel	16	1.0		mg/Kg	1	7/14/2010 06:43 PM
Selenium	ND	1.0		mg/Kg	1	7/14/2010 06:43 PM
Silver	ND	1.0		mg/Kg	1	7/14/2010 06:43 PM
Thallium	ND	1.0		mg/Kg	1	7/14/2010 06:43 PM
Vanadium	31	1.0		mg/Kg	1	7/14/2010 06:43 PM
Zinc	38	1.0		mg/Kg	1	7/14/2010 06:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100713D	QC Batch: 65373			PrepDate:	7/13/2010	Analyst: **IL**
Mercury	0.20	0.10		mg/Kg	1	7/13/2010 06:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65368** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123094**
Client ID: **PBS** Batch ID: **65368** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1972825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	0.176	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	0.031	1.0									
Zinc	0.258	1.0									

Sample ID: **LCS-65368** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123094**
Client ID: **LCSS** Batch ID: **65368** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1972826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.094	2.0	50.00	0	94.2	80	120				
Arsenic	45.489	1.0	50.00	0	91.0	80	120				
Barium	50.630	1.0	50.00	0	101	80	120				
Beryllium	48.477	1.0	50.00	0	97.0	80	120				
Cadmium	48.178	1.0	50.00	0	96.4	80	120				
Chromium	51.065	1.0	50.00	0	102	80	120				
Cobalt	50.415	1.0	50.00	0	101	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65368** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123094**
Client ID: **LCSS** Batch ID: **65368** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1972826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	50.865	2.0	50.00	0	102	80	120				
Lead	49.272	1.0	50.00	0.1760	98.2	80	120				
Molybdenum	49.915	1.0	50.00	0	99.8	80	120				
Nickel	49.502	1.0	50.00	0	99.0	80	120				
Selenium	44.583	1.0	50.00	0	89.2	80	120				
Silver	48.967	1.0	50.00	0	97.9	80	120				
Thallium	44.245	1.0	50.00	0	88.5	80	120				
Vanadium	49.544	1.0	50.00	0.03142	99.0	80	120				
Zinc	48.596	1.0	50.00	0.2582	96.7	80	120				

Sample ID: **112631-030A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123094**
Client ID: **Y1-RW2 3** Batch ID: **65368** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1972830**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.366	2.0						0.5056	0	20	
Arsenic	5.062	1.0						4.763	6.08	20	
Barium	101.073	1.0						87.06	14.9	20	
Beryllium	0.199	1.0						0.1798	0	20	
Cadmium	0.632	1.0						0.6066	0	20	
Chromium	23.374	1.0						22.84	2.32	20	
Cobalt	10.436	1.0						9.426	10.2	20	
Copper	18.723	2.0						28.63	41.8	20	R
Lead	6.784	1.0						7.240	6.50	20	
Molybdenum	0.124	1.0						0.1877	0	20	
Nickel	24.146	1.0						23.35	3.33	20	
Selenium	0.648	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	46.264	1.0						44.05	4.90	20	
Zinc	56.718	1.0						55.48	2.21	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112631-030A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123094**
Client ID: **Y1-RW2 3** Batch ID: **65368** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1972831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	74.722	2.0	125.0	0.5056	59.4	32	105				
Arsenic	93.815	1.0	125.0	4.763	71.2	49	106				
Barium	183.967	1.0	125.0	87.06	77.5	31	133				
Beryllium	96.509	1.0	125.0	0.1798	77.1	56	106				
Cadmium	92.006	1.0	125.0	0.6066	73.1	51	103				
Chromium	121.173	1.0	125.0	22.84	78.7	45	114				
Cobalt	103.206	1.0	125.0	9.426	75.0	52	106				
Copper	125.060	2.0	125.0	28.63	77.1	54	125				
Lead	100.726	1.0	125.0	7.240	74.8	34	126				
Molybdenum	91.173	1.0	125.0	0.1877	72.8	54	106				
Nickel	117.123	1.0	125.0	23.35	75.0	45	111				
Selenium	90.038	1.0	125.0	0	72.0	47	104				
Silver	98.242	1.0	125.0	0	78.6	56	112				
Thallium	85.245	1.0	125.0	0	68.2	46	101				
Vanadium	144.452	1.0	125.0	44.05	80.3	54	114				
Zinc	143.837	1.0	125.0	55.48	70.7	28	125				

Sample ID: **112631-030A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123094**
Client ID: **Y1-RW2 3** Batch ID: **65368** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1972832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	73.622	2.0	125.0	0.5056	58.5	32	105	74.72	1.48	20	
Arsenic	95.049	1.0	125.0	4.763	72.2	49	106	93.81	1.31	20	
Barium	187.689	1.0	125.0	87.06	80.5	31	133	184.0	2.00	20	
Beryllium	97.104	1.0	125.0	0.1798	77.5	56	106	96.51	0.614	20	
Cadmium	93.814	1.0	125.0	0.6066	74.6	51	103	92.01	1.95	20	
Chromium	123.456	1.0	125.0	22.84	80.5	45	114	121.2	1.87	20	
Cobalt	105.219	1.0	125.0	9.426	76.6	52	106	103.2	1.93	20	
Copper	128.296	2.0	125.0	28.63	79.7	54	125	125.1	2.55	20	
Lead	100.350	1.0	125.0	7.240	74.5	34	126	100.7	0.374	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112631-030A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123094**
Client ID: **Y1-RW2 3** Batch ID: **65368** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1972832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	92.547	1.0	125.0	0.1877	73.9	54	106	91.17	1.50	20	
Nickel	119.793	1.0	125.0	23.35	77.2	45	111	117.1	2.25	20	
Selenium	90.383	1.0	125.0	0	72.3	47	104	90.04	0.383	20	
Silver	100.138	1.0	125.0	0	80.1	56	112	98.24	1.91	20	
Thallium	86.759	1.0	125.0	0	69.4	46	101	85.25	1.76	20	
Vanadium	147.354	1.0	125.0	44.05	82.6	54	114	144.5	1.99	20	
Zinc	146.766	1.0	125.0	55.48	73.0	28	125	143.8	2.02	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65369**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/13/2010**	RunNo: **123113**
Client ID: **PBS**	Batch ID: **65369**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/14/2010**	SeqNo: **1973082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	0.137	1.0									
Beryllium	0.073	1.0									
Cadmium	0.057	1.0									
Chromium	0.118	1.0									
Cobalt	0.061	1.0									
Copper	ND	2.0									
Lead	0.175	1.0									
Molybdenum	0.060	1.0									
Nickel	0.089	1.0									
Selenium	ND	1.0									
Silver	0.067	1.0									
Thallium	ND	1.0									
Vanadium	0.102	1.0									
Zinc	0.340	1.0									

Sample ID: **LCS-65369**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/13/2010**	RunNo: **123113**
Client ID: **LCSS**	Batch ID: **65369**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/14/2010**	SeqNo: **1973083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.709	2.0	50.00	0	95.4	80	120				
Arsenic	46.345	1.0	50.00	0	92.7	80	120				
Barium	51.641	1.0	50.00	0.1370	103	80	120				
Beryllium	49.153	1.0	50.00	0.07299	98.2	80	120				
Cadmium	49.246	1.0	50.00	0.05652	98.4	80	120				
Chromium	52.348	1.0	50.00	0.1175	104	80	120				
Cobalt	51.588	1.0	50.00	0.06129	103	80	120				
Copper	51.703	2.0	50.00	0	103	80	120				
Lead	50.404	1.0	50.00	0.1751	100	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65369** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123113**
Client ID: **LCSS** Batch ID: **65369** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	50.386	1.0	50.00	0.05955	101	80	120				
Nickel	50.610	1.0	50.00	0.08852	101	80	120				
Selenium	45.864	1.0	50.00	0	91.7	80	120				
Silver	49.648	1.0	50.00	0.06687	99.2	80	120				
Thallium	45.254	1.0	50.00	0	90.5	80	120				
Vanadium	50.408	1.0	50.00	0.1018	101	80	120				
Zinc	49.584	1.0	50.00	0.3402	98.5	80	120				

Sample ID: **112631-085A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123113**
Client ID: **AC2-R 1** Batch ID: **65369** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.331	2.0						0.3994	0	20	
Arsenic	5.354	1.0						5.704	6.33	20	
Barium	98.334	1.0						90.21	8.61	20	
Beryllium	0.184	1.0						0.1424	0	20	
Cadmium	0.663	1.0						0.6529	0	20	
Chromium	19.447	1.0						18.78	3.49	20	
Cobalt	14.611	1.0						13.07	11.1	20	
Copper	23.200	2.0						20.95	10.2	20	
Lead	9.433	1.0						10.91	14.6	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	31.218	1.0						30.04	3.84	20	
Selenium	0.546	1.0						0.4975	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	36.191	1.0						35.71	1.35	20	
Zinc	68.896	1.0						65.00	5.83	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112631-085A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123113**
Client ID: **AC2-R 1** Batch ID: **65369** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	73.493	2.0	125.0	0.3994	58.5	32	105				
Arsenic	95.471	1.0	125.0	5.704	71.8	49	106				
Barium	185.361	1.0	125.0	90.21	76.1	31	133				
Beryllium	95.440	1.0	125.0	0.1424	76.2	56	106				
Cadmium	91.042	1.0	125.0	0.6529	72.3	51	103				
Chromium	118.800	1.0	125.0	18.78	80.0	45	114				
Cobalt	105.894	1.0	125.0	13.07	74.3	52	106				
Copper	129.687	2.0	125.0	20.95	87.0	54	125				
Lead	101.745	1.0	125.0	10.91	72.7	34	126				
Molybdenum	89.999	1.0	125.0	0	72.0	54	106				
Nickel	122.233	1.0	125.0	30.04	73.8	45	111				
Selenium	89.680	1.0	125.0	0.4975	71.3	47	104				
Silver	97.808	1.0	125.0	0	78.2	56	112				
Thallium	85.010	1.0	125.0	0	68.0	46	101				
Vanadium	136.637	1.0	125.0	35.71	80.7	54	114				
Zinc	157.464	1.0	125.0	65.00	74.0	28	125				

Sample ID: **112631-085A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123113**
Client ID: **AC2-R 1** Batch ID: **65369** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973087**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	75.870	2.0	125.0	0.3994	60.4	32	105	73.49	3.18	20	
Arsenic	96.170	1.0	125.0	5.704	72.4	49	106	95.47	0.730	20	
Barium	186.460	1.0	125.0	90.21	77.0	31	133	185.4	0.591	20	
Beryllium	98.746	1.0	125.0	0.1424	78.9	56	106	95.44	3.40	20	
Cadmium	91.889	1.0	125.0	0.6529	73.0	51	103	91.04	0.926	20	
Chromium	119.795	1.0	125.0	18.78	80.8	45	114	118.8	0.834	20	
Cobalt	106.324	1.0	125.0	13.07	74.6	52	106	105.9	0.405	20	
Copper	130.850	2.0	125.0	20.95	87.9	54	125	129.7	0.893	20	
Lead	103.048	1.0	125.0	10.91	73.7	34	126	101.7	1.27	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112631-085A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123113**
Client ID: **AC2-R 1** Batch ID: **65369** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973087**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	91.483	1.0	125.0	0	73.2	54	106	90.00	1.64	20	
Nickel	123.848	1.0	125.0	30.04	75.0	45	111	122.2	1.31	20	
Selenium	90.113	1.0	125.0	0.4975	71.7	47	104	89.68	0.481	20	
Silver	99.281	1.0	125.0	0	79.4	56	112	97.81	1.49	20	
Thallium	85.622	1.0	125.0	0	68.5	46	101	85.01	0.718	20	
Vanadium	137.073	1.0	125.0	35.71	81.1	54	114	136.6	0.319	20	
Zinc	158.130	1.0	125.0	65.00	74.5	28	125	157.5	0.422	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65370** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123114**
Client ID: **PBS** Batch ID: **65370** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973112**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	0.018	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65370** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123114**
Client ID: **LCSS** Batch ID: **65370** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.987	2.0	50.00	0	90.0	80	120				
Arsenic	44.100	1.0	50.00	0	88.2	80	120				
Barium	51.278	1.0	50.00	0	103	80	120				
Beryllium	49.561	1.0	50.00	0	99.1	80	120				
Cadmium	47.338	1.0	50.00	0	94.7	80	120				
Chromium	51.531	1.0	50.00	0	103	80	120				
Cobalt	50.756	1.0	50.00	0	102	80	120				
Copper	51.580	2.0	50.00	0	103	80	120				
Lead	48.102	1.0	50.00	0	96.2	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65370** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123114**
Client ID: **LCSS** Batch ID: **65370** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	48.473	1.0	50.00	0	96.9	80	120				
Nickel	49.588	1.0	50.00	0	99.2	80	120				
Selenium	42.754	1.0	50.00	0	85.5	80	120				
Silver	50.092	1.0	50.00	0.01812	100	80	120				
Thallium	42.462	1.0	50.00	0	84.9	80	120				
Vanadium	49.946	1.0	50.00	0	99.9	80	120				
Zinc	47.344	1.0	50.00	0	94.7	80	120				

Sample ID: **112631-131A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123114**
Client ID: **AF1-R 6** Batch ID: **65370** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973115**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.325	2.0						0	0	20	
Arsenic	3.513	1.0						2.688	26.6	20	R
Barium	73.136	1.0						48.14	41.2	20	R
Beryllium	ND	1.0						0	0	20	
Cadmium	0.620	1.0						0.4700	0	20	
Chromium	23.281	1.0						15.51	40.1	20	R
Cobalt	8.426	1.0						6.132	31.5	20	R
Copper	16.550	2.0						10.70	43.0	20	R
Lead	10.231	1.0						7.390	32.2	20	R
Molybdenum	0.246	1.0						0.04590	0	20	
Nickel	25.479	1.0						15.69	47.6	20	R
Selenium	ND	1.0						0.4311	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	40.011	1.0						31.08	25.1	20	R
Zinc	59.844	1.0						38.30	43.9	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112631-131A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123114**
Client ID: **AF1-R 6** Batch ID: **65370** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	68.271	2.0	125.0	0	54.6	32	105				
Arsenic	90.392	1.0	125.0	2.688	70.2	49	106				
Barium	161.889	1.0	125.0	48.14	91.0	31	133				
Beryllium	97.668	1.0	125.0	0	78.1	56	106				
Cadmium	87.831	1.0	125.0	0.4700	69.9	51	103				
Chromium	118.263	1.0	125.0	15.51	82.2	45	114				
Cobalt	100.336	1.0	125.0	6.132	75.4	52	106				
Copper	126.711	2.0	125.0	10.70	92.8	54	125				
Lead	98.737	1.0	125.0	7.390	73.1	34	126				
Molybdenum	88.828	1.0	125.0	0.04590	71.0	54	106				
Nickel	112.370	1.0	125.0	15.69	77.3	45	111				
Selenium	84.496	1.0	125.0	0.4311	67.3	47	104				
Silver	102.329	1.0	125.0	0	81.9	56	112				
Thallium	81.079	1.0	125.0	0	64.9	46	101				
Vanadium	142.756	1.0	125.0	31.08	89.3	54	114				
Zinc	147.644	1.0	125.0	38.30	87.5	28	125				

Sample ID: **112631-131A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123114**
Client ID: **AF1-R 6** Batch ID: **65370** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	69.762	2.0	125.0	0	55.8	32	105	68.27	2.16	20	
Arsenic	90.644	1.0	125.0	2.688	70.4	49	106	90.39	0.279	20	
Barium	163.426	1.0	125.0	48.14	92.2	31	133	161.9	0.945	20	
Beryllium	97.765	1.0	125.0	0	78.2	56	106	97.67	0.0997	20	
Cadmium	85.880	1.0	125.0	0.4700	68.3	51	103	87.83	2.25	20	
Chromium	116.105	1.0	125.0	15.51	80.5	45	114	118.3	1.84	20	
Cobalt	98.257	1.0	125.0	6.132	73.7	52	106	100.3	2.09	20	
Copper	124.332	2.0	125.0	10.70	90.9	54	125	126.7	1.90	20	
Lead	97.055	1.0	125.0	7.390	71.7	34	126	98.74	1.72	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112631-131A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123114**
Client ID: **AF1-R 6** Batch ID: **65370** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/14/2010** SeqNo: **1973117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	87.028	1.0	125.0	0.04590	69.6	54	106	88.83	2.05	20	
Nickel	111.255	1.0	125.0	15.69	76.5	45	111	112.4	0.998	20	
Selenium	85.150	1.0	125.0	0.4311	67.8	47	104	84.50	0.771	20	
Silver	101.118	1.0	125.0	0	80.9	56	112	102.3	1.19	20	
Thallium	81.605	1.0	125.0	0	65.3	46	101	81.08	0.646	20	
Vanadium	138.169	1.0	125.0	31.08	85.7	54	114	142.8	3.27	20	
Zinc	138.121	1.0	125.0	38.30	79.9	28	125	147.6	6.66	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65374A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123134**
Client ID: **PBS** Batch ID: **65374** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.168	5.0									

Sample ID: **LCS-65374** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123134**
Client ID: **LCSS** Batch ID: **65374** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973434**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	282.318	5.0	250.0	0.1682	113	80	120				

Sample ID: **112631-014A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123134**
Client ID: **S1-R 6** Batch ID: **65374** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973445**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.754	5.0						9.086	29.4	20	R

Sample ID: **112631-014A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123134**
Client ID: **S1-R 6** Batch ID: **65374** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973446**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	218.042	5.0	250.0	9.086	83.6	34	126				

Sample ID: **MB-65374B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123134**
Client ID: **PBS** Batch ID: **65374** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112631-024A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123134**
Client ID: **S3-R 3** Batch ID: **65374** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.041	5.0						14.40	16.8	20	

Sample ID: **112631-024A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123134**
Client ID: **S3-R 3** Batch ID: **65374** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973459**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	226.769	5.0	250.0	14.40	84.9	34	126				

Sample ID: **112631-024A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123134**
Client ID: **S3-R 3** Batch ID: **65374** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.368	5.0	250.0	14.40	80.8	34	126	226.8	4.69	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65375A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123135**
Client ID: **PBS** Batch ID: **65375** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.461	5.0									

Sample ID: **LCS-65375** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123135**
Client ID: **LCSS** Batch ID: **65375** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	274.835	5.0	250.0	0.4605	110	80	120				

Sample ID: **112631-040A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123135**
Client ID: **Z1-R 1** Batch ID: **65375** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973474**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.421	5.0						4.337	52.5	20	R

Sample ID: **112631-040A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123135**
Client ID: **Z1-R 1** Batch ID: **65375** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	207.157	5.0	250.0	4.337	81.1	34	126				

Sample ID: **MB-65375B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123135**
Client ID: **PBS** Batch ID: **65375** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.168	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112631-050A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123135**
Client ID: **Z2-R 6**	Batch ID: **65375**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.422	5.0						10.28	32.3	20	R

Sample ID: **112631-050A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123135**
Client ID: **Z2-R 6**	Batch ID: **65375**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.175	5.0	250.0	10.28	80.0	34	126				

Sample ID: **112631-050A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123135**
Client ID: **Z2-R 6**	Batch ID: **65375**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	190.441	5.0	250.0	10.28	72.1	34	126	210.2	9.85	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112631
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65376A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123137**
Client ID: **PBS** Batch ID: **65376** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.169	5.0									

Sample ID: **LCS-65376** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123137**
Client ID: **LCSS** Batch ID: **65376** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276.087	5.0	250.0	0.1689	110	80	120				

Sample ID: **112631-066A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123137**
Client ID: **AB1-R 0.5** Batch ID: **65376** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973515**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37.196	5.0						44.48	17.8	20	

Sample ID: **112631-066A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123137**
Client ID: **AB1-R 0.5** Batch ID: **65376** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	247.011	5.0	250.0	44.48	81.0	34	126				

Sample ID: **MB-65376B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123137**
Client ID: **PBS** Batch ID: **65376** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112631-076A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123137**
Client ID: **AB2-R 4** Batch ID: **65376** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.221	5.0						8.360	14.6	20	

Sample ID: **112631-076A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123137**
Client ID: **AB2-R 4** Batch ID: **65376** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	211.466	5.0	250.0	8.360	81.2	34	126				

Sample ID: **112631-076A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123137**
Client ID: **AB2-R 4** Batch ID: **65376** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230.883	5.0	250.0	8.360	89.0	34	126	211.5	8.78	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112631
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65377A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123139**
Client ID: **PBS** Batch ID: **65377** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.128	5.0									

Sample ID: **LCS-65377** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123139**
Client ID: **LCSS** Batch ID: **65377** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	275.923	5.0	250.0	0.1283	110	80	120				

Sample ID: **112631-098A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123139**
Client ID: **AD1-R 2** Batch ID: **65377** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973571**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.902	5.0						12.44	18.0	20	

Sample ID: **112631-098A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123139**
Client ID: **AD1-R 2** Batch ID: **65377** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973572**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	223.721	5.0	250.0	12.44	84.5	34	126				

Sample ID: **MB-65377B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123139**
Client ID: **PBS** Batch ID: **65377** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.207	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112631-108A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123139**
Client ID: **AE1-R 0.5**	Batch ID: **65377**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	361.338	5.0						388.7	7.30	20	

Sample ID: **112631-108A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123139**
Client ID: **AE1-R 0.5**	Batch ID: **65377**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	655.432	5.0	250.0	388.7	107	34	126				

Sample ID: **112631-108A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123139**
Client ID: **AE1-R 0.5**	Batch ID: **65377**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	906.298	5.0	250.0	388.7	207	34	126	655.4	32.1	20	SR

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65378A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123143**
Client ID: **PBS** Batch ID: **65378** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65378** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123143**
Client ID: **LCSS** Batch ID: **65378** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.854	5.0	250.0	0	113	80	120				

Sample ID: **112631-118A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123143**
Client ID: **AE2-R 4** Batch ID: **65378** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973637**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.863	5.0						5.296	50.4	20	R

Sample ID: **112631-118A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123143**
Client ID: **AE2-R 4** Batch ID: **65378** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973638**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	207.018	5.0	250.0	5.296	80.7	34	126				

Sample ID: **MB-65378B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123143**
Client ID: **PBS** Batch ID: **65378** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112631-134A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123143**
Client ID: **AF2-R 2**	Batch ID: **65378**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973650**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.544	5.0						13.22	2.44	20	

Sample ID: **112631-134A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123143**
Client ID: **AF2-R 2**	Batch ID: **65378**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973651**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	213.277	5.0	250.0	13.22	80.0	34	126				

Sample ID: **112631-134A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123143**
Client ID: **AF2-R 2**	Batch ID: **65378**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973652**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	217.681	5.0	250.0	13.22	81.8	34	126	213.3	2.04	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65379A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123155**
Client ID: **PBS** Batch ID: **65379** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65379** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123155**
Client ID: **LCSS** Batch ID: **65379** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	261.610	5.0	250.0	0	105	80	120				

Sample ID: **112631-144A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123155**
Client ID: **AG2-R 0.5** Batch ID: **65379** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.317	5.0						13.85	37.8	20	R

Sample ID: **112631-144A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123155**
Client ID: **AG2-R 0.5** Batch ID: **65379** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.339	5.0	250.0	13.85	84.6	34	126				

Sample ID: **MB-65379B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123155**
Client ID: **PBS** Batch ID: **65379** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112631-154A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123155**
Client ID: **AG3-R 4**	Batch ID: **65379**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.854	5.0						5.372	8.57	20	

Sample ID: **112631-154A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123155**
Client ID: **AG3-R 4**	Batch ID: **65379**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.610	5.0	250.0	5.372	82.1	34	126				

Sample ID: **112631-154A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/14/2010**	RunNo: **123155**
Client ID: **AG3-R 4**	Batch ID: **65379**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/15/2010**	SeqNo: **1973882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	205.951	5.0	250.0	5.372	80.2	34	126	210.6	2.24	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65380A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123156**
Client ID: **PBS** Batch ID: **65380** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65380** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123156**
Client ID: **LCSS** Batch ID: **65380** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	261.840	5.0	250.0	0	105	80	120				

Sample ID: **112631-155A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123156**
Client ID: **AG3-R 6** Batch ID: **65380** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.174	5.0						5.557	0	20	

Sample ID: **112631-155A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123156**
Client ID: **AG3-R 6** Batch ID: **65380** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973887**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.476	5.0	250.0	5.557	76.4	34	126				

Sample ID: **112631-155A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123156**
Client ID: **AG3-R 6** Batch ID: **65380** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/15/2010** SeqNo: **1973888**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	190.993	5.0	250.0	5.557	74.2	34	126	196.5	2.83	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112595-001A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **112611-027A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973198**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.100	0.10	5.000	0	102	85	115				

Sample ID: **112611-027A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.070	0.10	5.000	0	101	85	115	5.100	0.590	20	

Sample ID: **LCS-65459** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **LCSS** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.030	0.10	5.000	0	101	85	115				

Sample ID: **MB-65459** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **PBS** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65371** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123037**
Client ID: **PBS** Batch ID: **65371** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65371** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123037**
Client ID: **LCSS** Batch ID: **65371** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.791	0.10	0.8300	0	95.3	80	120				

Sample ID: **112631-030A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123037**
Client ID: **Y1-RW2 3** Batch ID: **65371** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.002	0.10	0.8300	0.2619	89.2	70	130				

Sample ID: **112631-030A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123037**
Client ID: **Y1-RW2 3** Batch ID: **65371** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.995	0.10	0.8300	0.2619	88.3	70	130	1.002	0.709	20	

Sample ID: **112631-030A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123037**
Client ID: **Y1-RW2 3** Batch ID: **65371** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971970**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.261	0.10						0.2619	0.360	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65372** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123038**
Client ID: **PBS** Batch ID: **65372** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971980**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65372** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123038**
Client ID: **LCSS** Batch ID: **65372** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971981**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.774	0.10	0.8300	0	93.2	80	120				

Sample ID: **112631-085A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123038**
Client ID: **AC2-R 1** Batch ID: **65372** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971982**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.078	0.10	0.8300	0.3641	86.0	70	130				

Sample ID: **112631-085A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123038**
Client ID: **AC2-R 1** Batch ID: **65372** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971983**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.064	0.10	0.8300	0.3641	84.3	70	130	1.078	1.31	20	

Sample ID: **112631-085A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123038**
Client ID: **AC2-R 1** Batch ID: **65372** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1971985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.368	0.10						0.3641	1.13	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65373** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123040**
Client ID: **PBS** Batch ID: **65373** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1972012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65373** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123040**
Client ID: **LCSS** Batch ID: **65373** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1972013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.745	0.10	0.8300	0	89.8	80	120				

Sample ID: **112631-131A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123040**
Client ID: **AF1-R 6** Batch ID: **65373** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1972014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.962	0.10	0.8300	0.1955	92.3	70	130				

Sample ID: **112631-131A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123040**
Client ID: **AF1-R 6** Batch ID: **65373** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1972015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.966	0.10	0.8300	0.1955	92.9	70	130	0.9620	0.461	20	

Sample ID: **112631-131A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/13/2010** RunNo: **123040**
Client ID: **AF1-R 6** Batch ID: **65373** TestNo: **EPA 7471A** Analysis Date: **7/13/2010** SeqNo: **1972017**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.197	0.10						0.1955	0.544	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112631-058ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123170**
Client ID: **AA2-R 1** Batch ID: **R123170** TestNo: **EPA 9045C** Analysis Date: **7/15/2010** SeqNo: **1974173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.270	0.10						8.240	0.363	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112641-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123203**
Client ID: **ZZZZZZ** Batch ID: **R123203** TestNo: **EPA 9045C** Analysis Date: **7/15/2010** SeqNo: **1975046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	9.150	0.10						9.170	0.218	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/9/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client / ATL / FedEx / OnTrac / GSO / Other: GSO

5.2 2.1.1

Sample Condition Upon Receipt:
1. CHILLED (Y) N
2. HEADSPACE (VOA) HD Y N
3. CONTAINER INTACT (Y) N
4. SEALED Y (N)
5. # OF SPLS MATCH COC (Y) N
6. PRESERVED Y (N)

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/DW (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-8-10 Time: 1645
Received by: (Signature and Printed Name) Date: 7/9/10 Time: 920
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 17-8-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
1070 pH (LAB-Removal)
ALTERNATE QA
DO NOT COMPOSITE SETS

		8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~P1-R (0.5, 1, 2, 3, 4, 6)~~						X						X									
	~~R2-R (0.5, 1, 2, 3, 4, 6)~~				X								X									
	~~Q1-R (0.5, 1, 2, 3, 4, 6)~~				X								X									
	~~Q2-R (0.5, 1, 2, 3, 4, 6)~~				X								X									
	~~Q3-R (0.5, 1, 2, 3, 4, 6)~~				X								X									
112631 - 1/4	R1-R (0.5, 1, 2, 3, [redacted])				X								X									
|	R1-R (0.5)							X					X									
| - 5/8	R2-R (0.5, 1, 2, 3, [redacted])						X						X									

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client ATL
FedEx OnTrac
GSO
Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/DW (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-8-10 Time: 1645 Received by: (Signature and Printed Name) [illegible] Date: 7/9/10 Time: 920

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: CM 7-8-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
1/2031-9/14	S1-R (0.5, 1, 2, 3, 4, 6)						X								X									
1-15/22	S2-R (0.5, 1, 2, 3, 4, 6)						X								X									
1-21/26	S3-R (0.5, 1, 2, 3, 4, 6)						X								X									
	~~T1-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~T2-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~U1-R (0.5, 1, 2, 3, 4, 6)~~								X						X									
	~~U2-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~U3-R (0.5, 1, 2, 3, 4, 6)~~						X								X									

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/OW (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHESS MERRITT Date: 7-8-10 Time: 1645
Received by: (Signature and Printed Name) [illegible] Date: 7/9/10 Time: 920

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-8-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

		8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~Y1-RW2 (0.5, 1, 2, 3, 4, 6)~~							X						X								
	~~X2-RW2 (0.5, 1, 2, 3, 4, 6)~~				X									X								
	~~X3-RW2 (0.5, 1, 2, 3, 4, 6, 45)~~				X									X								
	~~X3-RW2 (45)~~					X								X	X							
	~~X3-RW2 (45)~~								X					X	X							
112631-27/3L	Y1-RW2 (0.5, 1, 2, 3, 4, 6)							X						X								
1-33/3Y	Y2-RW2 (0.5, 1, 2, 3, 4, 6)				X									X								
	~~Y3-RW2 (0.5, 1, 2, 3, 4, 6, 28)~~				X									X								
	~~Y3-RW2 (28)~~					X								X	X							
	~~Y3-RW2 (28)~~								X					X	X							

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/DW (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-8-10 Time: 1645
Received by: (Signature and Printed Name) [illegible] Date: 7/9/10 Time: 930

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-8-10
Print Name: CM Date:
Signature: CM

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
LINE #5 IS VALID SAMPLE

		8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
1126 31 / 39 / 44	Z1-R (0.5, 1, 2, 3, 4, 6)				X								X									
-45 / 50	Z2-R (0.5, 1, 2, 3, 4, 6)				X								X									
-51 / 52	AA1-R (0.5, 1, 2, 3, 4, 6)							X					X									
-57 / 64	AA2-R (0.5, 1, 2, 3, 4, 6)				X								X									
~~-63 / 65~~	~~AA3-R (0.5, 1, 2, 3, 4, 6)~~ AA3-R-0.5,1,2				~~X~~								~~X~~									
-68 / 74	AB1-R (0.5, 1, 2, 3, 4, 6)				X								X									
-72 / 77	AB2-R (0.5, 1, 2, 3, 4, 6)				X								X									
-78 / 83	AC1-R (0.5, 1, 2, 3, 4, 6)				X								X									
-84 / 89	AC2-R (0.5, 1, 2, 3, 4, 6)							X					X									
-90 / 95	AC3-R (0.5, 1, 2, 3, 4, 6)				X								X									

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client ATL
FedEx OnTrac
GSO
Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/DW (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-8-10 Time: 1645
Received by: (Signature and Printed Name) Mary [illegible] Date: 7/9/10 Time: 920

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: CM 7-8-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

		8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
112031-98/101	AD1-R (0.5, 1, 2, 3, 4, 6)				X								X									
-99	AD1-R (0.5)								X				X									
-102/109	AD2-R (0.5, 1, 2, 3, 4, 6)				X								X									
-108/113	AE1-R (0.5, 1, 2, 3, 4, 6)				X								X									
-114/119	AE2-R (0.5, 1, 2, 3, 4, 6)				X								X									
-120/125	AE3-R (0.5, 1, 2, 3, 4, 6)				X								X									
-126/131	AF1-R (0.5, 1, 2, 3, 4, 6)							X					X									
-132/137	AF2-R (0.5, 1, 2, 3, 4, 6)				X								X									

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client ATL
FedEx OnTrac
GSO
Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM/DW (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-8-10 Time: 1645
Received by: (Signature and Printed Name) Date: 7/9/10 Time: 920

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-8-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

		8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
1126.5 / 128/143	AG1-R (0.5, 1, 2, 3, 4, 6)				X								X									
-144/149	AG2-R (0.5, 1, 2, 3, 4, 6)				X								X									
-150/155	AG3-R (0.5, 1, 2, 3, 4, 6)				X								X									
	~~AH1-R (0.5, 1, 2, 3, 4, 6)~~				X								X									
	~~AH1-R (0.5)~~							X					X									
	~~AH2-R (0.5, 1, 2, 3, 4, 6)~~				X								X									
	~~AI1-R (0.5, 1, 2, 3, 4, 6)~~				X								X									
	~~AI2-R (0.5, 1, 2, 3, 4, 6)~~							X					X									
	~~AI3-R (0.5, 1, 2, 3, 4, 6)~~				X								X									

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

Fernando Diwa

From: Chris Merritt [merritt@geoconinc.com]
Sent: Monday, July 12, 2010 6:06 AM
To: Fernando Diwa
Subject: RE: Alameda County Eastbound I-580, E8435-06-47

Collection date was the 8th of July (Chain date).

The line for AC3-R should be struck through.

The sample labeled ACR-1-2 should actually be AC1-R-2.

-----Original Message-----
From: Fernando Diwa [mailto:fernando@atlglobal.com]
Sent: Friday, July 09, 2010 4:35 PM
To: merritt@geoconinc.com
Cc: watts@geoconinc.com; Carmen Aguila; Diane Galvan
Subject: Alameda County Eastbound I-580, E8435-06-47

Hi Chris,

This is to inform you of the following issues:

1. Date of collection was not marked in COCs (see attached copy of COCs).

2. No samples received for AC3-R-(0.5, 1, 2, 3, 4, 6).

3. No sample received for AC1-R-2, but received extra sample labeled as ACR-1-2.

Please advise.

Regards,

Ronnie

July 22, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112631

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 09, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112631

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112631-015A, 112631-016A, 112631-051A, 112631-072A, 112631-097A, 112631-102A, 112311-108A, 112631-114A, 112631-119A, 112631-132A, 112631-133A, 112631-136A and 112611-122A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-005A	R2-R 0.5	5.2	mg/L	65678	0.25	1	7/8/2010	7/22/2010
112631-015A	S2-R 0.5	13	mg/L	65678	0.50	2	7/8/2010	7/22/2010
112631-016A	S2-R 1	12	mg/L	65678	0.50	2	7/8/2010	7/22/2010
112631-021A	S3-R 0.5	6.4	mg/L	65678	0.25	1	7/8/2010	7/22/2010
112631-022A	S3-R 1	0.90	mg/L	65678	0.25	1	7/8/2010	7/22/2010
112631-051A	AA1-R 0.5	21	mg/L	65678	2.5	10	7/8/2010	7/22/2010
112631-057A	AA2-R 0.5	2.0	mg/L	65678	0.25	1	7/8/2010	7/22/2010
112631-063A	AA3-R 0.5	6.5	mg/L	65678	0.25	1	7/8/2010	7/22/2010
112631-067A	AB1-R 1	1.7	mg/L	65678	0.25	1	7/8/2010	7/22/2010
112631-068A	AB1-R 2	6.6	mg/L	65678	0.25	1	7/8/2010	7/22/2010
112631-072A	AB2-R 0.5	12	mg/L	65678	0.50	2	7/8/2010	7/22/2010
112631-097A	AD1-R 1	51	mg/L	65678	2.5	10	7/8/2010	7/22/2010
112631-102A	AD2-R 0.5	14	mg/L	65678	0.50	2	7/8/2010	7/22/2010
112631-108A	AE1-R 0.5	16	mg/L	65678	0.50	2	7/8/2010	7/22/2010
112631-114A	AE2-R 0.5	21	mg/L	65678	1.2	5	7/8/2010	7/22/2010
112631-116A	AE2-R 2	2.8	mg/L	65679	0.25	1	7/8/2010	7/22/2010
112631-119A	AE2-R 6	13	mg/L	65679	0.50	2	7/8/2010	7/22/2010
112631-132A	AF2-R 0.5	23	mg/L	65679	2.5	10	7/8/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-133A	AF2-R 1	12	mg/L	65679	0.50	2	7/8/2010	7/22/2010
112631-136A	AF2-R 4	22	mg/L	65679	2.5	10	7/8/2010	7/22/2010
112631-138A	AG1-R 0.5	5.8	mg/L	65679	0.25	1	7/8/2010	7/22/2010
112631-139A	AG1-R 1	4.3	mg/L	65679	0.25	1	7/8/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65678A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **PBS** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65678** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **LCSS** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.254	0.25	5.000	0	105	80	120				

Sample ID: **112631-022A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **S3-R 1** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.896	0.25						0.8957	0.0430	20	

Sample ID: **112631-022A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **S3-R 1** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.916	0.25	5.000	0.8957	100	80	120				

Sample ID: **MB-65678B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **PBS** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112631-114A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **AE2-R 0.5** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.492	1.2						20.60	0.529	20	

Sample ID: **112631-114A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **AE2-R 0.5** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981759**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.630	1.2	5.000	20.60	101	80	120				

Sample ID: **112631-114A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123537**
Client ID: **AE2-R 0.5** Batch ID: **65678** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.754	1.2	5.000	20.60	103	80	120	25.63	0.482	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65679A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123538**
Client ID: **PBS** Batch ID: **65679** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981761**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65679** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123538**
Client ID: **LCSS** Batch ID: **65679** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.241	0.25	5.000	0	105	80	120				

Sample ID: **112631-139A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123538**
Client ID: **AG1-R 1** Batch ID: **65679** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981770**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.314	0.25						4.292	0.529	20	

Sample ID: **112631-139A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123538**
Client ID: **AG1-R 1** Batch ID: **65679** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981771**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.664	0.50	5.000	4.292	107	80	120				

Sample ID: **112631-139A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/20/2010** RunNo: **123538**
Client ID: **AG1-R 1** Batch ID: **65679** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/22/2010** SeqNo: **1981772**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.728	0.50	5.000	4.292	109	80	120	9.664	0.665	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Diane Galvan

From: Livermore Office (Rick Day) [day@geoconinc.com]
Sent: Friday, July 16, 2010 4:40 PM
To: Diane Galvan
Cc: Lauren Vigliotti; David Watts
Subject: RE: Results/EDD - Alameda County Eastbound I-580 Truck Climbing Lane Project (112631)

Hi Diane –

For the Eastbound I-580 Truck Climbing Lane project (Geocon project no. E8435-06-47), please run WET lead on all sample with total lead > 50 mg/kg.

This applies to ATL Nos. 112595, 112611, 112631, and future work orders.

Thanks,
Rick.

July 30, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112631

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 09, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112631

CASE NARRATIVE

Analytical Comments for Method 7420

RPD for Duplicate (DUP) is outside criteria for sample 112751-050ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

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Advanced Technology Laboratories

Date: 7/30/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-005A	R2-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-015A	S2-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-016A	S2-R 1	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-021A	S3-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-051A	AA1-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-063A	AA3-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-068A	AB1-R 2	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-072A	AB2-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-102A	AD2-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-108A	AE1-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-119A	AE2-R 6	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-132A	AF2-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-133A	AF2-R 1	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-136A	AF2-R 4	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010
112631-138A	AG1-R 0.5	ND	mg/L	65881	0.25	1	7/8/2010	7/30/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 7/30/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (TCLP)
EPA 1311/ 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112631
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/9/2010 9:20:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112631-097A	AD1-R 1	1.1	mg/L	65958	0.25	1	7/8/2010	7/30/2010
112631-114A	AE2-R 0.5	0.43	mg/L	65958	0.25	1	7/8/2010	7/30/2010

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-65881A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **PBS** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65881** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **LCSS** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.093	0.25	5.000	0	102	80	120				

Sample ID: **112631-072A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **AB2-R 0.5** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112631-072A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **AB2-R 0.5** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987549**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.636	0.25	5.000	0	113	70	130				

Sample ID: **112631-138A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123823**
Client ID: **AG1-R 0.5** Batch ID: **65881** TestNo: **WET DI/ EPA WET** Analysis Date: **7/30/2010** SeqNo: **1987557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **112631-138A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123823**
Client ID: **AG1-R 0.5**	Batch ID: **65881**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **7/30/2010**	SeqNo: **1987558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.465	0.25	5.000	0	109	70	130				

Sample ID: **112631-138A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123823**
Client ID: **AG1-R 0.5**	Batch ID: **65881**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **7/30/2010**	SeqNo: **1987559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.467	0.25	5.000	0	109	70	130	5.465	0.0366	20	

Sample ID: **MB-65881B**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123823**
Client ID: **PBS**	Batch ID: **65881**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **7/30/2010**	SeqNo: **1987560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-65958A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987478**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65958** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **LCSS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.043	0.25	1.000	0	104	80	120				

Sample ID: **112751-050A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.368	0.25						0.4539	21.0	20	R

Sample ID: **112751-050A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.162	0.25	2.500	0.4539	108	70	130				

Sample ID: **112934-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112631
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **112934-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987494**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.880	0.25	2.500	0	115	70	130				

Sample ID: **112934-001A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.865	0.25	2.500	0	115	70	130	2.880	0.522	20	

Sample ID: **MB-65949A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987496**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-65949B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987497**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-65958B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Monday, July 26, 2010 10:11 AM
To: Diane Galvan
Cc: 'Rick Day'; 'David Watts'
Subject: FW: Additional Testing - Pb TCLP and DI-WET

Hi Diane:

For the I-580 EB Truck Climbing Lane project, please analyze samples for WET lead with **total lead concentrations between 50 and 500 mg/kg**. This is a revision to the previous instruction to analyze al samples greater than or equal to 50 mg/kg.

Also, below is the list Dave previously sent you for TCLP and DI-WET lead analyses, but I've added the WO #'s for reference. Thanks for your help!
-Lauren

Pb- TCLP:

WO 112631:
AD1-R-1
AE2-R-0.5

WO 112611:
H2-R-3
K1-R-0.5
L2-R-0.5

WO 112751:
BM2-RW8 1
BM3-RW8 0.5

Pb- DI-WET:

WO 112611:
H1-R-0.5
H2-R-0.5
I1-R-0.5
J1-R-0.5
L1-R-0.5
M1-R-0.5
N1-R-0.5
N1-R-1
O1-R-0.5
O3-R-0.5
P2-R-0.5
Q3-R-0.5

WO 112595:
A1-R-0.5
A2-R-0.5
A2-R-1
A2-R-2
A3-R-0.5

A3-R-1
A3-R-3
B2-R-0.5
C1-R-0.5
E1-R-0.5

WO112631:

R2-R-0.5
S2-R-0.5
S2-R-1
S3-R-0.5
AA1-R-0.5
AA3-R-0.5
AB1-R-2
AB2-R-0.5
AD2-R-0.5
AE1-R-0.5
AE2-R-6
AF2-R-0.5
AF2-R-1
AF2-R-4
AG1-R-0.5

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
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GEOCON

GEOTECHNICAL ENVIRONMENTAL MATERIALS

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July 19, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
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TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112653

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 10, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112653

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 112653-114AMS; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112653-010ADUP, 112653-052ADUP, 112653-078AMSD, 112653-104ADUP, 112653-114ADUP and 112706-005ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: 7/19/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-001A	AH1-R 0.5	ND	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-002A	AH1-R 1	8.3	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-003A	AH1-R 2	24	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-004A	AH1-R 3	12	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-005A	AH1-R 4	15	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-006A	AH1-R 6	20	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-007A	AH2-R 0.5	25	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-008A	AH2-R 1	7.7	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-009A	AH2-R 2	19	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-010A	AH2-R 3	90	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-011A	AH2-R 4	6.5	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-012A	AH2-R 6	6.1	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-013A	Al1-R 0.5	37	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-014A	Al1-R 1	18	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-015A	Al1-R 2	22	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-016A	Al1-R 3	10	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-017A	Al1-R 4	6.7	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-018A	Al1-R 6	43	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 7/19/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-025A	Al3-R 0.5	13	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-026A	Al3-R 1	13	mg/Kg	65480	5.0	1	7/9/2010	7/16/2010
112653-027A	Al3-R 2	18	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-028A	Al3-R 3	9.0	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-029A	Al3-R 4	7.1	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-030A	Al3-R 6	5.5	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-031A	AJ1-R 0.5	22	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-032A	AJ1-R 1	19	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-033A	AJ1-R 2	20	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-034A	AJ1-R 3	ND	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-035A	AJ1-R 4	6.4	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-036A	AJ1-R 6	ND	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-043A	AK1-R 0.5	12	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-044A	AK1-R 1	16	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-045A	AK1-R 2	ND	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-046A	AK1-R 3	ND	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-047A	AK1-R 4	8.7	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-048A	AK1-R 6	6.1	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/19/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-049A	AK2-R 0.5	21	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-050A	AK2-R 1	ND	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-051A	AK2-R 2	8.3	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-052A	AK2-R 3	28	mg/Kg	65481	5.0	1	7/9/2010	7/16/2010
112653-053A	AK2-R 4	24	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-054A	AK2-R 6	5.4	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-055A	AK3-R 0.5	9.9	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-056A	AK3-R 1	6.1	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-057A	AK3-R 2	5.5	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-058A	AK3-R 3	ND	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-059A	AK3-R 4	9.9	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-060A	AK3-R 6	7.4	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-067A	AL2-R 0.5	12	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-068A	AL2-R 1	6.6	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-069A	AL2-R 2	ND	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-070A	AL2-R 3	ND	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-071A	AL2-R 4	ND	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-072A	AL2-R 6	ND	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/19/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-073A	AM1-R 0.5	9.0	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-074A	AM1-R 1	ND	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-075A	AM1-R 2	8.3	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-076A	AM1-R 3	9.4	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-077A	AM1-R 4	5.7	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-078A	AM1-R 6	7.0	mg/Kg	65482	5.0	1	7/9/2010	7/16/2010
112653-079A	AM2-R 0.5	17	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-080A	AM2-R 1	37	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-081A	AM2-R 2	9.6	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-082A	AM2-R 3	9.3	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-083A	AM2-R 4	18	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-084A	AM2-R 6	9.7	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-085A	AM3-R 0.5	120	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-086A	AM3-R 1	10	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-087A	AM3-R 2	6.2	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-088A	AM3-R 3	43	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-089A	AM3-R 4	24	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-090A	AM3-R 6	6.7	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/19/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-091A	AN1-R 0.5	20	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-092A	AN1-R 1	6.4	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-093A	AN1-R 2	ND	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-094A	AN1-R 3	9.1	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-095A	AN1-R 4	14	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-096A	AN1-R 6	ND	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-103A	AO1-R 0.5	110	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-104A	AO1-R 1	35	mg/Kg	65483	5.0	1	7/9/2010	7/16/2010
112653-105A	AO1-R 2	28	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-106A	AO1-R 3	6.5	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-107A	AO1-R 4	10	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-108A	AO1-R 6	9.5	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-109A	AO2-R 0.5	30	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-110A	AO2-R 1	18	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-111A	AO2-R 2	ND	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-112A	AO2-R 3	12	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-113A	AO2-R 4	110	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-114A	AP1-R 0.5	270	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/19/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-115A	AP1-R 1	9.9	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-116A	AP1-R 2	ND	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-117A	AP1-R 3	ND	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010
112653-118A	AP1-R 4	ND	mg/Kg	65484	5.0	1	7/9/2010	7/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/19/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-001A	AH1-R 0.5	ND	mg/Kg	65459	0.10	1	7/9/2010	7/14/2010
112653-061A	AL1-R 0.5	ND	mg/Kg	65459	0.10	1	7/9/2010	7/14/2010
112653-114A	AP1-R 0.5	ND	mg/Kg	65459	0.10	1	7/9/2010	7/14/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/19/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-010A	AH2-R 3	8.4	pH Units	R123217	0.10	1	7/9/2010	7/16/2010
112653-020A	Al2-R 1	8.3	pH Units	R123217	0.10	1	7/9/2010	7/16/2010
112653-030A	Al3-R 6	8.2	pH Units	R123217	0.10	1	7/9/2010	7/16/2010
112653-040A	AJ2-R 3	8.1	pH Units	R123217	0.10	1	7/9/2010	7/16/2010
112653-050A	AK2-R 1	8.1	pH Units	R123217	0.10	1	7/9/2010	7/16/2010
112653-060A	AK3-R 6	7.8	pH Units	R123218	0.10	1	7/9/2010	7/16/2010
112653-070A	AL2-R 3	8.0	pH Units	R123218	0.10	1	7/9/2010	7/16/2010
112653-080A	AM2-R 1	8.0	pH Units	R123218	0.10	1	7/9/2010	7/16/2010
112653-090A	AM3-R 6	8.0	pH Units	R123218	0.10	1	7/9/2010	7/16/2010
112653-100A	AN2-R 3	7.8	pH Units	R123218	0.10	1	7/9/2010	7/16/2010
112653-110A	AO2-R 1	8.4	pH Units	R123218	0.10	1	7/9/2010	7/16/2010
112653-118A	AP1-R 4	8.0	pH Units	R123218	0.10	1	7/9/2010	7/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Al2-R 0.5
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-019A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 04:50 PM
Arsenic	6.7	1.0		mg/Kg	1	7/15/2010 04:50 PM
Barium	120	1.0		mg/Kg	1	7/15/2010 04:50 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 04:50 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 04:50 PM
Chromium	22	1.0		mg/Kg	1	7/15/2010 04:50 PM
Cobalt	16	1.0		mg/Kg	1	7/15/2010 04:50 PM
Copper	29	2.0		mg/Kg	1	7/15/2010 04:50 PM
Lead	16	1.0		mg/Kg	1	7/15/2010 04:50 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 04:50 PM
Nickel	33	1.0		mg/Kg	1	7/15/2010 04:50 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 04:50 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 04:50 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 04:50 PM
Vanadium	42	1.0		mg/Kg	1	7/15/2010 04:50 PM
Zinc	69	1.0		mg/Kg	1	7/15/2010 04:50 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.52	0.10		mg/Kg	1	7/16/2010 09:53 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Al2-R 1
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-020A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 04:52 PM
Arsenic	8.0	1.0		mg/Kg	1	7/15/2010 04:52 PM
Barium	130	1.0		mg/Kg	1	7/15/2010 04:52 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 04:52 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 04:52 PM
Chromium	22	1.0		mg/Kg	1	7/15/2010 04:52 PM
Cobalt	9.9	1.0		mg/Kg	1	7/15/2010 04:52 PM
Copper	24	2.0		mg/Kg	1	7/15/2010 04:52 PM
Lead	14	1.0		mg/Kg	1	7/15/2010 04:52 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 04:52 PM
Nickel	26	1.0		mg/Kg	1	7/15/2010 04:52 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 04:52 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 04:52 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 04:52 PM
Vanadium	46	1.0		mg/Kg	1	7/15/2010 04:52 PM
Zinc	62	1.0		mg/Kg	1	7/15/2010 04:52 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.45	0.10		mg/Kg	1	7/16/2010 09:55 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Al2-R 2
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-021A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 04:53 PM
Arsenic	7.2	1.0		mg/Kg	1	7/15/2010 04:53 PM
Barium	92	1.0		mg/Kg	1	7/15/2010 04:53 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 04:53 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 04:53 PM
Chromium	21	1.0		mg/Kg	1	7/15/2010 04:53 PM
Cobalt	8.9	1.0		mg/Kg	1	7/15/2010 04:53 PM
Copper	19	2.0		mg/Kg	1	7/15/2010 04:53 PM
Lead	16	1.0		mg/Kg	1	7/15/2010 04:53 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 04:53 PM
Nickel	24	1.0		mg/Kg	1	7/15/2010 04:53 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 04:53 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 04:53 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 04:53 PM
Vanadium	46	1.0		mg/Kg	1	7/15/2010 04:53 PM
Zinc	56	1.0		mg/Kg	1	7/15/2010 04:53 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.47	0.10		mg/Kg	1	7/16/2010 09:57 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Al2-R 3
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-022A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 04:55 PM
Arsenic	8.0	1.0		mg/Kg	1	7/15/2010 04:55 PM
Barium	110	1.0		mg/Kg	1	7/15/2010 04:55 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 04:55 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 04:55 PM
Chromium	24	1.0		mg/Kg	1	7/15/2010 04:55 PM
Cobalt	8.5	1.0		mg/Kg	1	7/15/2010 04:55 PM
Copper	32	2.0		mg/Kg	1	7/15/2010 04:55 PM
Lead	23	1.0		mg/Kg	1	7/15/2010 04:55 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 04:55 PM
Nickel	23	1.0		mg/Kg	1	7/15/2010 04:55 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 04:55 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 04:55 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 04:55 PM
Vanadium	44	1.0		mg/Kg	1	7/15/2010 04:55 PM
Zinc	130	1.0		mg/Kg	1	7/15/2010 04:55 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.38	0.10		mg/Kg	1	7/16/2010 09:59 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Al2-R 4
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-023A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 04:57 PM
Arsenic	5.1	1.0		mg/Kg	1	7/15/2010 04:57 PM
Barium	140	1.0		mg/Kg	1	7/15/2010 04:57 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 04:57 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 04:57 PM
Chromium	24	1.0		mg/Kg	1	7/15/2010 04:57 PM
Cobalt	6.7	1.0		mg/Kg	1	7/15/2010 04:57 PM
Copper	19	2.0		mg/Kg	1	7/15/2010 04:57 PM
Lead	67	1.0		mg/Kg	1	7/15/2010 04:57 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 04:57 PM
Nickel	25	1.0		mg/Kg	1	7/15/2010 04:57 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 04:57 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 04:57 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 04:57 PM
Vanadium	35	1.0		mg/Kg	1	7/15/2010 04:57 PM
Zinc	61	1.0		mg/Kg	1	7/15/2010 04:57 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.44	0.10		mg/Kg	1	7/16/2010 10:05 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Al2-R 6
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-024A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 04:59 PM
Arsenic	3.6	1.0		mg/Kg	1	7/15/2010 04:59 PM
Barium	91	1.0		mg/Kg	1	7/15/2010 04:59 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 04:59 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 04:59 PM
Chromium	34	1.0		mg/Kg	1	7/15/2010 04:59 PM
Cobalt	6.5	1.0		mg/Kg	1	7/15/2010 04:59 PM
Copper	21	2.0		mg/Kg	1	7/15/2010 04:59 PM
Lead	17	1.0		mg/Kg	1	7/15/2010 04:59 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 04:59 PM
Nickel	47	1.0		mg/Kg	1	7/15/2010 04:59 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 04:59 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 04:59 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 04:59 PM
Vanadium	25	1.0		mg/Kg	1	7/15/2010 04:59 PM
Zinc	32	1.0		mg/Kg	1	7/15/2010 04:59 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/16/2010 10:07 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AJ2-R 0.5
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-037A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:01 PM
Arsenic	6.0	1.0		mg/Kg	1	7/15/2010 05:01 PM
Barium	70	1.0		mg/Kg	1	7/15/2010 05:01 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:01 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:01 PM
Chromium	19	1.0		mg/Kg	1	7/15/2010 05:01 PM
Cobalt	7.9	1.0		mg/Kg	1	7/15/2010 05:01 PM
Copper	21	2.0		mg/Kg	1	7/15/2010 05:01 PM
Lead	21	1.0		mg/Kg	1	7/15/2010 05:01 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:01 PM
Nickel	22	1.0		mg/Kg	1	7/15/2010 05:01 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:01 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:01 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:01 PM
Vanadium	40	1.0		mg/Kg	1	7/15/2010 05:01 PM
Zinc	280	1.0		mg/Kg	1	7/15/2010 05:01 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.62	0.10		mg/Kg	1	7/16/2010 10:09 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AJ2-R 1
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-038A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:03 PM
Arsenic	2.5	1.0		mg/Kg	1	7/15/2010 05:03 PM
Barium	90	1.0		mg/Kg	1	7/15/2010 05:03 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:03 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:03 PM
Chromium	11	1.0		mg/Kg	1	7/15/2010 05:03 PM
Cobalt	6.6	1.0		mg/Kg	1	7/15/2010 05:03 PM
Copper	14	2.0		mg/Kg	1	7/15/2010 05:03 PM
Lead	3.2	1.0		mg/Kg	1	7/15/2010 05:03 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:03 PM
Nickel	12	1.0		mg/Kg	1	7/15/2010 05:03 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:03 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:03 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:03 PM
Vanadium	61	1.0		mg/Kg	1	7/15/2010 05:03 PM
Zinc	35	1.0		mg/Kg	1	7/15/2010 05:03 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/16/2010 10:11 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AJ2-R 2
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-039A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:09 PM
Arsenic	7.0	1.0		mg/Kg	1	7/15/2010 05:09 PM
Barium	98	1.0		mg/Kg	1	7/15/2010 05:09 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:09 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:09 PM
Chromium	19	1.0		mg/Kg	1	7/15/2010 05:09 PM
Cobalt	6.7	1.0		mg/Kg	1	7/15/2010 05:09 PM
Copper	12	2.0		mg/Kg	1	7/15/2010 05:09 PM
Lead	3.3	1.0		mg/Kg	1	7/15/2010 05:09 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:09 PM
Nickel	15	1.0		mg/Kg	1	7/15/2010 05:09 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:09 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:09 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:09 PM
Vanadium	41	1.0		mg/Kg	1	7/15/2010 05:09 PM
Zinc	39	1.0		mg/Kg	1	7/15/2010 05:09 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.46	0.10		mg/Kg	1	7/16/2010 10:13 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AJ2-R 3
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-040A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715C	QC Batch: 65462			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:11 PM
Arsenic	5.7	1.0		mg/Kg	1	7/15/2010 05:11 PM
Barium	75	1.0		mg/Kg	1	7/15/2010 05:11 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:11 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:11 PM
Chromium	25	1.0		mg/Kg	1	7/15/2010 05:11 PM
Cobalt	8.7	1.0		mg/Kg	1	7/15/2010 05:11 PM
Copper	22	2.0		mg/Kg	1	7/15/2010 05:11 PM
Lead	4.6	1.0		mg/Kg	1	7/15/2010 05:11 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:11 PM
Nickel	23	1.0		mg/Kg	1	7/15/2010 05:11 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:11 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:11 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:11 PM
Vanadium	46	1.0		mg/Kg	1	7/15/2010 05:11 PM
Zinc	61	1.0		mg/Kg	1	7/15/2010 05:11 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716A	QC Batch: 65473			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.16	0.10		mg/Kg	1	7/16/2010 09:49 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AJ2-R 4
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-041A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:23 PM
Arsenic	5.9	1.0		mg/Kg	1	7/15/2010 05:23 PM
Barium	58	1.0		mg/Kg	1	7/15/2010 05:23 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:23 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:23 PM
Chromium	22	1.0		mg/Kg	1	7/15/2010 05:23 PM
Cobalt	11	1.0		mg/Kg	1	7/15/2010 05:23 PM
Copper	13	2.0		mg/Kg	1	7/15/2010 05:23 PM
Lead	2.9	1.0		mg/Kg	1	7/15/2010 05:23 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:23 PM
Nickel	21	1.0		mg/Kg	1	7/15/2010 05:23 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:23 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:23 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:23 PM
Vanadium	37	1.0		mg/Kg	1	7/15/2010 05:23 PM
Zinc	50	1.0		mg/Kg	1	7/15/2010 05:23 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/16/2010 10:33 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AJ2-R 6
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-042A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:25 PM
Arsenic	3.8	1.0		mg/Kg	1	7/15/2010 05:25 PM
Barium	83	1.0		mg/Kg	1	7/15/2010 05:25 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:25 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:25 PM
Chromium	24	1.0		mg/Kg	1	7/15/2010 05:25 PM
Cobalt	11	1.0		mg/Kg	1	7/15/2010 05:25 PM
Copper	21	2.0		mg/Kg	1	7/15/2010 05:25 PM
Lead	5.0	1.0		mg/Kg	1	7/15/2010 05:25 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:25 PM
Nickel	24	1.0		mg/Kg	1	7/15/2010 05:25 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:25 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:25 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:25 PM
Vanadium	39	1.0		mg/Kg	1	7/15/2010 05:25 PM
Zinc	57	1.0		mg/Kg	1	7/15/2010 05:25 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.13	0.10		mg/Kg	1	7/16/2010 10:35 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL1-R 0.5
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-061A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:26 PM
Arsenic	6.3	1.0		mg/Kg	1	7/15/2010 05:26 PM
Barium	71	1.0		mg/Kg	1	7/15/2010 05:26 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:26 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:26 PM
Chromium	20	1.0		mg/Kg	1	7/15/2010 05:26 PM
Cobalt	8.9	1.0		mg/Kg	1	7/15/2010 05:26 PM
Copper	18	2.0		mg/Kg	1	7/15/2010 05:26 PM
Lead	36	1.0		mg/Kg	1	7/15/2010 05:26 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:26 PM
Nickel	22	1.0		mg/Kg	1	7/15/2010 05:26 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:26 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:26 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:26 PM
Vanadium	43	1.0		mg/Kg	1	7/15/2010 05:26 PM
Zinc	58	1.0		mg/Kg	1	7/15/2010 05:26 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.64	0.10		mg/Kg	1	7/16/2010 10:37 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL1-R 1
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-062A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:32 PM
Arsenic	7.4	1.0		mg/Kg	1	7/15/2010 05:32 PM
Barium	110	1.0		mg/Kg	1	7/15/2010 05:32 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:32 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:32 PM
Chromium	23	1.0		mg/Kg	1	7/15/2010 05:32 PM
Cobalt	9.3	1.0		mg/Kg	1	7/15/2010 05:32 PM
Copper	27	2.0		mg/Kg	1	7/15/2010 05:32 PM
Lead	14	1.0		mg/Kg	1	7/15/2010 05:32 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:32 PM
Nickel	27	1.0		mg/Kg	1	7/15/2010 05:32 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:32 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:32 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:32 PM
Vanadium	40	1.0		mg/Kg	1	7/15/2010 05:32 PM
Zinc	64	1.0		mg/Kg	1	7/15/2010 05:32 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.45	0.10		mg/Kg	1	7/16/2010 10:39 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL1-R 2
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-063A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:34 PM
Arsenic	5.9	1.0		mg/Kg	1	7/15/2010 05:34 PM
Barium	72	1.0		mg/Kg	1	7/15/2010 05:34 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:34 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:34 PM
Chromium	22	1.0		mg/Kg	1	7/15/2010 05:34 PM
Cobalt	8.3	1.0		mg/Kg	1	7/15/2010 05:34 PM
Copper	21	2.0		mg/Kg	1	7/15/2010 05:34 PM
Lead	9.0	1.0		mg/Kg	1	7/15/2010 05:34 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:34 PM
Nickel	21	1.0		mg/Kg	1	7/15/2010 05:34 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:34 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:34 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:34 PM
Vanadium	40	1.0		mg/Kg	1	7/15/2010 05:34 PM
Zinc	61	1.0		mg/Kg	1	7/15/2010 05:34 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/16/2010 10:41 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL1-R 3
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-064A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:35 PM
Arsenic	7.5	1.0		mg/Kg	1	7/15/2010 05:35 PM
Barium	96	1.0		mg/Kg	1	7/15/2010 05:35 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:35 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:35 PM
Chromium	25	1.0		mg/Kg	1	7/15/2010 05:35 PM
Cobalt	11	1.0		mg/Kg	1	7/15/2010 05:35 PM
Copper	32	2.0		mg/Kg	1	7/15/2010 05:35 PM
Lead	33	1.0		mg/Kg	1	7/15/2010 05:35 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:35 PM
Nickel	28	1.0		mg/Kg	1	7/15/2010 05:35 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:35 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:35 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:35 PM
Vanadium	40	1.0		mg/Kg	1	7/15/2010 05:35 PM
Zinc	76	1.0		mg/Kg	1	7/15/2010 05:35 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/16/2010 10:43 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL1-R 4
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-065A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:37 PM
Arsenic	7.4	1.0		mg/Kg	1	7/15/2010 05:37 PM
Barium	94	1.0		mg/Kg	1	7/15/2010 05:37 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:37 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:37 PM
Chromium	21	1.0		mg/Kg	1	7/15/2010 05:37 PM
Cobalt	8.9	1.0		mg/Kg	1	7/15/2010 05:37 PM
Copper	23	2.0		mg/Kg	1	7/15/2010 05:37 PM
Lead	11	1.0		mg/Kg	1	7/15/2010 05:37 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:37 PM
Nickel	20	1.0		mg/Kg	1	7/15/2010 05:37 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:37 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:37 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:37 PM
Vanadium	42	1.0		mg/Kg	1	7/15/2010 05:37 PM
Zinc	61	1.0		mg/Kg	1	7/15/2010 05:37 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/16/2010 10:45 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL1-R 6
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-066A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:39 PM
Arsenic	7.3	1.0		mg/Kg	1	7/15/2010 05:39 PM
Barium	150	1.0		mg/Kg	1	7/15/2010 05:39 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:39 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:39 PM
Chromium	25	1.0		mg/Kg	1	7/15/2010 05:39 PM
Cobalt	9.6	1.0		mg/Kg	1	7/15/2010 05:39 PM
Copper	24	2.0		mg/Kg	1	7/15/2010 05:39 PM
Lead	9.2	1.0		mg/Kg	1	7/15/2010 05:39 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:39 PM
Nickel	25	1.0		mg/Kg	1	7/15/2010 05:39 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:39 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:39 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:39 PM
Vanadium	44	1.0		mg/Kg	1	7/15/2010 05:39 PM
Zinc	59	1.0		mg/Kg	1	7/15/2010 05:39 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/16/2010 10:47 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN2-R 0.5
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-097A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:41 PM
Arsenic	7.1	1.0		mg/Kg	1	7/15/2010 05:41 PM
Barium	90	1.0		mg/Kg	1	7/15/2010 05:41 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:41 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:41 PM
Chromium	22	1.0		mg/Kg	1	7/15/2010 05:41 PM
Cobalt	9.1	1.0		mg/Kg	1	7/15/2010 05:41 PM
Copper	20	2.0		mg/Kg	1	7/15/2010 05:41 PM
Lead	12	1.0		mg/Kg	1	7/15/2010 05:41 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:41 PM
Nickel	23	1.0		mg/Kg	1	7/15/2010 05:41 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:41 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:41 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:41 PM
Vanadium	47	1.0		mg/Kg	1	7/15/2010 05:41 PM
Zinc	61	1.0		mg/Kg	1	7/15/2010 05:41 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.19	0.10		mg/Kg	1	7/16/2010 10:54 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN2-R 1
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-098A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715D	QC Batch: 65463			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:43 PM
Arsenic	5.2	1.0		mg/Kg	1	7/15/2010 05:43 PM
Barium	78	1.0		mg/Kg	1	7/15/2010 05:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:43 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:43 PM
Chromium	27	1.0		mg/Kg	1	7/15/2010 05:43 PM
Cobalt	8.7	1.0		mg/Kg	1	7/15/2010 05:43 PM
Copper	14	2.0		mg/Kg	1	7/15/2010 05:43 PM
Lead	3.9	1.0		mg/Kg	1	7/15/2010 05:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:43 PM
Nickel	22	1.0		mg/Kg	1	7/15/2010 05:43 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:43 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:43 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:43 PM
Vanadium	50	1.0		mg/Kg	1	7/15/2010 05:43 PM
Zinc	53	1.0		mg/Kg	1	7/15/2010 05:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716B	QC Batch: 65474			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.10	0.10		mg/Kg	1	7/16/2010 10:29 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN2-R 2
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-099A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715E	QC Batch: 65464			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 05:59 PM
Arsenic	6.4	1.0		mg/Kg	1	7/15/2010 05:59 PM
Barium	84	1.0		mg/Kg	1	7/15/2010 05:59 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 05:59 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 05:59 PM
Chromium	25	1.0		mg/Kg	1	7/15/2010 05:59 PM
Cobalt	9.4	1.0		mg/Kg	1	7/15/2010 05:59 PM
Copper	20	2.0		mg/Kg	1	7/15/2010 05:59 PM
Lead	7.2	1.0		mg/Kg	1	7/15/2010 05:59 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 05:59 PM
Nickel	23	1.0		mg/Kg	1	7/15/2010 05:59 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 05:59 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 05:59 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 05:59 PM
Vanadium	47	1.0		mg/Kg	1	7/15/2010 05:59 PM
Zinc	59	1.0		mg/Kg	1	7/15/2010 05:59 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716C	QC Batch: 65475			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/16/2010 11:10 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN2-R 3
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-100A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715E	QC Batch: 65464			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 06:01 PM
Arsenic	9.7	1.0		mg/Kg	1	7/15/2010 06:01 PM
Barium	63	1.0		mg/Kg	1	7/15/2010 06:01 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 06:01 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 06:01 PM
Chromium	22	1.0		mg/Kg	1	7/15/2010 06:01 PM
Cobalt	7.5	1.0		mg/Kg	1	7/15/2010 06:01 PM
Copper	15	2.0		mg/Kg	1	7/15/2010 06:01 PM
Lead	9.4	1.0		mg/Kg	1	7/15/2010 06:01 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 06:01 PM
Nickel	20	1.0		mg/Kg	1	7/15/2010 06:01 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 06:01 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 06:01 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 06:01 PM
Vanadium	44	1.0		mg/Kg	1	7/15/2010 06:01 PM
Zinc	58	1.0		mg/Kg	1	7/15/2010 06:01 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716C	QC Batch: 65475			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.17	0.10		mg/Kg	1	7/16/2010 11:12 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN2-R 4
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-101A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715E	QC Batch: 65464			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 06:03 PM
Arsenic	10	1.0		mg/Kg	1	7/15/2010 06:03 PM
Barium	85	1.0		mg/Kg	1	7/15/2010 06:03 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 06:03 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 06:03 PM
Chromium	28	1.0		mg/Kg	1	7/15/2010 06:03 PM
Cobalt	10	1.0		mg/Kg	1	7/15/2010 06:03 PM
Copper	42	2.0		mg/Kg	1	7/15/2010 06:03 PM
Lead	9.6	1.0		mg/Kg	1	7/15/2010 06:03 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 06:03 PM
Nickel	32	1.0		mg/Kg	1	7/15/2010 06:03 PM
Selenium	ND	1.0		mg/Kg	1	7/15/2010 06:03 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 06:03 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 06:03 PM
Vanadium	41	1.0		mg/Kg	1	7/15/2010 06:03 PM
Zinc	85	1.0		mg/Kg	1	7/15/2010 06:03 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716C	QC Batch: 65475			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/16/2010 11:18 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *19-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN2-R 6
Lab Order:	112653	**Collection Date:**	7/9/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112653-102A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100715E	QC Batch: 65464			PrepDate:	7/15/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/15/2010 06:05 PM
Arsenic	7.5	1.0		mg/Kg	1	7/15/2010 06:05 PM
Barium	98	1.0		mg/Kg	1	7/15/2010 06:05 PM
Beryllium	ND	1.0		mg/Kg	1	7/15/2010 06:05 PM
Cadmium	ND	1.0		mg/Kg	1	7/15/2010 06:05 PM
Chromium	32	1.0		mg/Kg	1	7/15/2010 06:05 PM
Cobalt	13	1.0		mg/Kg	1	7/15/2010 06:05 PM
Copper	38	2.0		mg/Kg	1	7/15/2010 06:05 PM
Lead	9.3	1.0		mg/Kg	1	7/15/2010 06:05 PM
Molybdenum	ND	1.0		mg/Kg	1	7/15/2010 06:05 PM
Nickel	32	1.0		mg/Kg	1	7/15/2010 06:05 PM
Selenium	1.1	1.0		mg/Kg	1	7/15/2010 06:05 PM
Silver	ND	1.0		mg/Kg	1	7/15/2010 06:05 PM
Thallium	ND	1.0		mg/Kg	1	7/15/2010 06:05 PM
Vanadium	42	1.0		mg/Kg	1	7/15/2010 06:05 PM
Zinc	77	1.0		mg/Kg	1	7/15/2010 06:05 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_100716C	QC Batch: 65475			PrepDate:	7/15/2010	Analyst: **IL**
Mercury	0.15	0.10		mg/Kg	1	7/16/2010 11:20 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65462** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123180**
Client ID: **PBS** Batch ID: **65462** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	0.168	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	0.037	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.350	1.0									

Sample ID: **LCS-65462** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123180**
Client ID: **LCSS** Batch ID: **65462** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.951	2.0	50.00	0	95.9	80	120				
Arsenic	47.506	1.0	50.00	0	95.0	80	120				
Barium	50.854	1.0	50.00	0	102	80	120				
Beryllium	49.441	1.0	50.00	0	98.9	80	120				
Cadmium	48.107	1.0	50.00	0	96.2	80	120				
Chromium	49.499	1.0	50.00	0	99.0	80	120				
Cobalt	49.979	1.0	50.00	0	100	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65462** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123180**
Client ID: **LCSS** Batch ID: **65462** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	50.017	2.0	50.00	0	100	80	120				
Lead	50.460	1.0	50.00	0.1677	101	80	120				
Molybdenum	51.556	1.0	50.00	0	103	80	120				
Nickel	48.292	1.0	50.00	0	96.6	80	120				
Selenium	46.813	1.0	50.00	0	93.6	80	120				
Silver	47.973	1.0	50.00	0.03664	95.9	80	120				
Thallium	47.113	1.0	50.00	0	94.2	80	120				
Vanadium	49.223	1.0	50.00	0	98.4	80	120				
Zinc	48.704	1.0	50.00	0.3500	96.7	80	120				

Sample ID: **112653-040A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123180**
Client ID: **AJ2-R 3** Batch ID: **65462** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974443**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.562	2.0						0.5894	0	20	
Arsenic	5.696	1.0						5.728	0.575	20	
Barium	75.373	1.0						74.62	0.999	20	
Beryllium	0.129	1.0						0.09390	0	20	
Cadmium	0.133	1.0						0.1388	0	20	
Chromium	25.838	1.0						25.18	2.57	20	
Cobalt	10.104	1.0						8.748	14.4	20	
Copper	23.769	2.0						21.88	8.27	20	
Lead	4.760	1.0						4.551	4.49	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	22.971	1.0						22.91	0.251	20	
Selenium	ND	1.0						0.5955	0	20	
Silver	0.169	1.0						0.1540	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	46.607	1.0						45.90	1.52	20	
Zinc	60.501	1.0						61.33	1.35	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112653-040A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123180**
Client ID: **AJ2-R 3** Batch ID: **65462** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974444**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.134	2.0	125.0	0.5894	62.0	32	105				
Arsenic	109.465	1.0	125.0	5.728	83.0	49	106				
Barium	182.063	1.0	125.0	74.62	86.0	31	133				
Beryllium	109.006	1.0	125.0	0.09390	87.1	56	106				
Cadmium	99.816	1.0	125.0	0.1388	79.7	51	103				
Chromium	133.091	1.0	125.0	25.18	86.3	45	114				
Cobalt	111.595	1.0	125.0	8.748	82.3	52	106				
Copper	136.402	2.0	125.0	21.88	91.6	54	125				
Lead	106.922	1.0	125.0	4.551	81.9	34	126				
Molybdenum	98.187	1.0	125.0	0	78.5	54	106				
Nickel	123.753	1.0	125.0	22.91	80.7	45	111				
Selenium	102.796	1.0	125.0	0.5955	81.8	47	104				
Silver	113.762	1.0	125.0	0.1540	90.9	56	112				
Thallium	97.689	1.0	125.0	0	78.2	46	101				
Vanadium	159.613	1.0	125.0	45.90	91.0	54	114				
Zinc	161.032	1.0	125.0	61.33	79.8	28	125				

Sample ID: **112653-040A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123180**
Client ID: **AJ2-R 3** Batch ID: **65462** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974445**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	76.015	2.0	125.0	0.5894	60.3	32	105	78.13	2.75	20	
Arsenic	107.353	1.0	125.0	5.728	81.3	49	106	109.5	1.95	20	
Barium	180.207	1.0	125.0	74.62	84.5	31	133	182.1	1.02	20	
Beryllium	106.780	1.0	125.0	0.09390	85.3	56	106	109.0	2.06	20	
Cadmium	98.551	1.0	125.0	0.1388	78.7	51	103	99.82	1.27	20	
Chromium	131.296	1.0	125.0	25.18	84.9	45	114	133.1	1.36	20	
Cobalt	110.008	1.0	125.0	8.748	81.0	52	106	111.6	1.43	20	
Copper	135.035	2.0	125.0	21.88	90.5	54	125	136.4	1.01	20	
Lead	105.910	1.0	125.0	4.551	81.1	34	126	106.9	0.951	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112653-040A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123180**
Client ID: **AJ2-R 3** Batch ID: **65462** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974445**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	96.890	1.0	125.0	0	77.5	54	106	98.19	1.33	20	
Nickel	121.719	1.0	125.0	22.91	79.0	45	111	123.8	1.66	20	
Selenium	101.209	1.0	125.0	0.5955	80.5	47	104	102.8	1.56	20	
Silver	112.524	1.0	125.0	0.1540	89.9	56	112	113.8	1.09	20	
Thallium	96.882	1.0	125.0	0	77.5	46	101	97.69	0.829	20	
Vanadium	156.567	1.0	125.0	45.90	88.5	54	114	159.6	1.93	20	
Zinc	156.236	1.0	125.0	61.33	75.9	28	125	161.0	3.02	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65463** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123193**
Client ID: **PBS** Batch ID: **65463** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.028	1.0									
Chromium	ND	1.0									
Cobalt	0.021	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.054	1.0									
Selenium	ND	1.0									
Silver	0.040	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.459	1.0									

Sample ID: **LCS-65463** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123193**
Client ID: **LCSS** Batch ID: **65463** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	50.434	2.0	50.00	0	101	80	120				
Arsenic	49.709	1.0	50.00	0	99.4	80	120				
Barium	52.788	1.0	50.00	0	106	80	120				
Beryllium	51.099	1.0	50.00	0	102	80	120				
Cadmium	49.973	1.0	50.00	0.02796	99.9	80	120				
Chromium	51.263	1.0	50.00	0	103	80	120				
Cobalt	51.682	1.0	50.00	0.02114	103	80	120				
Copper	51.633	2.0	50.00	0	103	80	120				
Lead	51.632	1.0	50.00	0	103	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65463** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123193**
Client ID: **LCSS** Batch ID: **65463** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	53.622	1.0	50.00	0	107	80	120				
Nickel	49.594	1.0	50.00	0.05436	99.1	80	120				
Selenium	48.819	1.0	50.00	0	97.6	80	120				
Silver	50.203	1.0	50.00	0.03952	100	80	120				
Thallium	49.340	1.0	50.00	0	98.7	80	120				
Vanadium	51.328	1.0	50.00	0	103	80	120				
Zinc	49.623	1.0	50.00	0.4592	98.3	80	120				

Sample ID: **112653-098A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123193**
Client ID: **AN2-R 1** Batch ID: **65463** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.471	2.0						0.4604	0	20	
Arsenic	4.947	1.0						5.248	5.89	20	
Barium	69.662	1.0						77.81	11.0	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.121	1.0						0.1301	0	20	
Chromium	24.080	1.0						27.07	11.7	20	
Cobalt	8.006	1.0						8.700	8.31	20	
Copper	13.138	2.0						14.06	6.76	20	
Lead	3.901	1.0						3.895	0.135	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	20.038	1.0						22.16	10.1	20	
Selenium	ND	1.0						0.4334	0	20	
Silver	0.096	1.0						0.1258	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	45.969	1.0						50.16	8.73	20	
Zinc	49.062	1.0						52.89	7.51	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112653-098A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123193**
Client ID: **AN2-R 1** Batch ID: **65463** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	86.995	2.0	125.0	0.4604	69.2	32	105				
Arsenic	109.177	1.0	125.0	5.248	83.1	49	106				
Barium	183.595	1.0	125.0	77.81	84.6	31	133				
Beryllium	109.443	1.0	125.0	0	87.6	56	106				
Cadmium	102.091	1.0	125.0	0.1301	81.6	51	103				
Chromium	133.510	1.0	125.0	27.07	85.1	45	114				
Cobalt	111.014	1.0	125.0	8.700	81.9	52	106				
Copper	124.980	2.0	125.0	14.06	88.7	54	125				
Lead	106.977	1.0	125.0	3.895	82.5	34	126				
Molybdenum	101.664	1.0	125.0	0	81.3	54	106				
Nickel	122.092	1.0	125.0	22.16	79.9	45	111				
Selenium	101.881	1.0	125.0	0.4334	81.2	47	104				
Silver	112.758	1.0	125.0	0.1258	90.1	56	112				
Thallium	98.634	1.0	125.0	0	78.9	46	101				
Vanadium	160.367	1.0	125.0	50.16	88.2	54	114				
Zinc	154.855	1.0	125.0	52.89	81.6	28	125				

Sample ID: **112653-098A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123193**
Client ID: **AN2-R 1** Batch ID: **65463** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	92.906	2.0	125.0	0.4604	74.0	32	105	86.99	6.57	20	
Arsenic	110.581	1.0	125.0	5.248	84.3	49	106	109.2	1.28	20	
Barium	178.430	1.0	125.0	77.81	80.5	31	133	183.6	2.85	20	
Beryllium	108.198	1.0	125.0	0	86.6	56	106	109.4	1.14	20	
Cadmium	101.819	1.0	125.0	0.1301	81.4	51	103	102.1	0.267	20	
Chromium	132.567	1.0	125.0	27.07	84.4	45	114	133.5	0.709	20	
Cobalt	110.797	1.0	125.0	8.700	81.7	52	106	111.0	0.195	20	
Copper	123.312	2.0	125.0	14.06	87.4	54	125	125.0	1.34	20	
Lead	107.228	1.0	125.0	3.895	82.7	34	126	107.0	0.234	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112653-098A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123193**
Client ID: **AN2-R 1** Batch ID: **65463** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	101.851	1.0	125.0	0	81.5	54	106	101.7	0.184	20	
Nickel	120.998	1.0	125.0	22.16	79.1	45	111	122.1	0.900	20	
Selenium	104.052	1.0	125.0	0.4334	82.9	47	104	101.9	2.11	20	
Silver	112.269	1.0	125.0	0.1258	89.7	56	112	112.8	0.435	20	
Thallium	99.915	1.0	125.0	0	79.9	46	101	98.63	1.29	20	
Vanadium	157.840	1.0	125.0	50.16	86.1	54	114	160.4	1.59	20	
Zinc	148.303	1.0	125.0	52.89	76.3	28	125	154.9	4.32	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65464** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123195**
Client ID: **PBS** Batch ID: **65464** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974689**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.035	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.253	1.0									

Sample ID: **LCS-65464** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123195**
Client ID: **LCSS** Batch ID: **65464** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.944	2.0	50.00	0	91.9	80	120				
Arsenic	45.986	1.0	50.00	0	92.0	80	120				
Barium	49.021	1.0	50.00	0	98.0	80	120				
Beryllium	46.794	1.0	50.00	0	93.6	80	120				
Cadmium	46.630	1.0	50.00	0	93.3	80	120				
Chromium	47.275	1.0	50.00	0	94.6	80	120				
Cobalt	47.887	1.0	50.00	0	95.8	80	120				
Copper	47.327	2.0	50.00	0	94.7	80	120				
Lead	47.577	1.0	50.00	0	95.2	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65464** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123195**
Client ID: **LCSS** Batch ID: **65464** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	49.457	1.0	50.00	0	98.9	80	120				
Nickel	45.390	1.0	50.00	0.03478	90.7	80	120				
Selenium	44.215	1.0	50.00	0	88.4	80	120				
Silver	45.584	1.0	50.00	0	91.2	80	120				
Thallium	45.102	1.0	50.00	0	90.2	80	120				
Vanadium	47.674	1.0	50.00	0	95.3	80	120				
Zinc	45.970	1.0	50.00	0.2530	91.4	80	120				

Sample ID: **112706-005A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123195**
Client ID: **ZZZZZZ** Batch ID: **65464** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974701**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	0.833	1.0						0.7861	0	20	
Barium	35.227	1.0						39.61	11.7	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.027	1.0						0.01401	0	20	
Chromium	2.557	1.0						2.893	12.3	20	
Cobalt	3.104	1.0						3.373	8.30	20	
Copper	2.029	2.0						2.288	12.0	20	
Lead	1.439	1.0						2.053	35.2	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	0.891	1.0						1.012	0	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	19.309	1.0						18.24	5.67	20	
Zinc	12.252	1.0						14.66	17.9	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112706-005A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123195**
Client ID: **ZZZZZZ** Batch ID: **65464** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974702**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	74.911	2.0	125.0	0	59.9	32	105				
Arsenic	87.282	1.0	125.0	0.7861	69.2	49	106				
Barium	126.975	1.0	125.0	39.61	69.9	31	133				
Beryllium	88.874	1.0	125.0	0	71.1	56	106				
Cadmium	85.798	1.0	125.0	0.01401	68.6	51	103				
Chromium	92.865	1.0	125.0	2.893	72.0	45	114				
Cobalt	90.436	1.0	125.0	3.373	69.7	52	106				
Copper	93.091	2.0	125.0	2.288	72.6	54	125				
Lead	89.984	1.0	125.0	2.053	70.3	34	126				
Molybdenum	84.674	1.0	125.0	0	67.7	54	106				
Nickel	85.268	1.0	125.0	1.012	67.4	45	111				
Selenium	83.685	1.0	125.0	0	66.9	47	104				
Silver	91.312	1.0	125.0	0	73.0	56	112				
Thallium	84.306	1.0	125.0	0	67.4	46	101				
Vanadium	128.030	1.0	125.0	18.24	87.8	54	114				
Zinc	98.977	1.0	125.0	14.66	67.5	28	125				

Sample ID: **112706-005A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123195**
Client ID: **ZZZZZZ** Batch ID: **65464** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.785	2.0	125.0	0	63.0	32	105	74.91	5.04	20	
Arsenic	89.545	1.0	125.0	0.7861	71.0	49	106	87.28	2.56	20	
Barium	132.321	1.0	125.0	39.61	74.2	31	133	127.0	4.12	20	
Beryllium	92.431	1.0	125.0	0	73.9	56	106	88.87	3.92	20	
Cadmium	89.159	1.0	125.0	0.01401	71.3	51	103	85.80	3.84	20	
Chromium	96.277	1.0	125.0	2.893	74.7	45	114	92.86	3.61	20	
Cobalt	93.466	1.0	125.0	3.373	72.1	52	106	90.44	3.30	20	
Copper	96.187	2.0	125.0	2.288	75.1	54	125	93.09	3.27	20	
Lead	93.385	1.0	125.0	2.053	73.1	34	126	89.98	3.71	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112706-005A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123195**
Client ID: **ZZZZZZ** Batch ID: **65464** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/15/2010** SeqNo: **1974703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	88.251	1.0	125.0	0	70.6	54	106	84.67	4.14	20	
Nickel	89.041	1.0	125.0	1.012	70.4	45	111	85.27	4.33	20	
Selenium	87.341	1.0	125.0	0	69.9	47	104	83.69	4.27	20	
Silver	94.393	1.0	125.0	0	75.5	56	112	91.31	3.32	20	
Thallium	88.038	1.0	125.0	0	70.4	46	101	84.31	4.33	20	
Vanadium	120.718	1.0	125.0	18.24	82.0	54	114	128.0	5.88	20	
Zinc	101.628	1.0	125.0	14.66	69.6	28	125	98.98	2.64	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65480A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123210**
Client ID: **PBS** Batch ID: **65480** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.200	5.0									

Sample ID: **LCS-65480** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123210**
Client ID: **LCSS** Batch ID: **65480** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280.219	5.0	250.0	0.1999	112	80	120				

Sample ID: **112653-010A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123210**
Client ID: **AH2-R 3** Batch ID: **65480** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975134**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22.897	5.0						90.12	119	20	R

Sample ID: **112653-010A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123210**
Client ID: **AH2-R 3** Batch ID: **65480** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975135**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	267.845	5.0	250.0	90.12	71.1	34	126				

Sample ID: **MB-65480B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123210**
Client ID: **PBS** Batch ID: **65480** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975136**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112653-026A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123210**
Client ID: **Al3-R 1** Batch ID: **65480** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.548	5.0						12.51	8.00	20	

Sample ID: **112653-026A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123210**
Client ID: **Al3-R 1** Batch ID: **65480** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.763	5.0	250.0	12.51	81.7	34	126				

Sample ID: **112653-026A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123210**
Client ID: **Al3-R 1** Batch ID: **65480** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	234.626	5.0	250.0	12.51	88.8	34	126	216.8	7.91	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65481A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123212**
Client ID: **PBS** Batch ID: **65481** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.178	5.0									

Sample ID: **LCS-65481** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123212**
Client ID: **LCSS** Batch ID: **65481** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	267.329	5.0	250.0	0.1781	107	80	120				

Sample ID: **112653-036A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123212**
Client ID: **AJ1-R 6** Batch ID: **65481** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.444	5.0						3.515	0	20	

Sample ID: **112653-036A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123212**
Client ID: **AJ1-R 6** Batch ID: **65481** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.335	5.0	250.0	3.515	86.7	34	126				

Sample ID: **MB-65481B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123212**
Client ID: **PBS** Batch ID: **65481** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975180**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.179	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112653-052A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123212**
Client ID: **AK2-R 3** Batch ID: **65481** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22.572	5.0						27.66	20.3	20	R

Sample ID: **112653-052A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123212**
Client ID: **AK2-R 3** Batch ID: **65481** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	222.955	5.0	250.0	27.66	78.1	34	126				

Sample ID: **112653-052A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123212**
Client ID: **AK2-R 3** Batch ID: **65481** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	239.978	5.0	250.0	27.66	84.9	34	126	223.0	7.35	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65482A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123213**
Client ID: **PBS** Batch ID: **65482** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.167	5.0									

Sample ID: **LCS-65482** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123213**
Client ID: **LCSS** Batch ID: **65482** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276.688	5.0	250.0	0.1667	111	80	120				

Sample ID: **112653-068A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123213**
Client ID: **AL2-R 1** Batch ID: **65482** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.548	5.0						6.625	1.17	20	

Sample ID: **112653-068A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123213**
Client ID: **AL2-R 1** Batch ID: **65482** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.176	5.0	250.0	6.625	81.4	34	126				

Sample ID: **MB-65482B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123213**
Client ID: **PBS** Batch ID: **65482** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.136	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112653-078A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/15/2010**	RunNo: **123213**
Client ID: **AM1-R 6**	Batch ID: **65482**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/16/2010**	SeqNo: **1975219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.548	5.0						7.000	6.67	20	

Sample ID: **112653-078A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/15/2010**	RunNo: **123213**
Client ID: **AM1-R 6**	Batch ID: **65482**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/16/2010**	SeqNo: **1975220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	212.925	5.0	250.0	7.000	82.4	34	126				

Sample ID: **112653-078A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/15/2010**	RunNo: **123213**
Client ID: **AM1-R 6**	Batch ID: **65482**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/16/2010**	SeqNo: **1975221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	156.890	5.0	250.0	7.000	60.0	34	126	212.9	30.3	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65483A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123219**
Client ID: **PBS** Batch ID: **65483** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975273**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65483** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123219**
Client ID: **LCSS** Batch ID: **65483** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	277.209	5.0	250.0	0	111	80	120				

Sample ID: **112653-088A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123219**
Client ID: **AM3-R 3** Batch ID: **65483** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975285**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.067	5.0						42.59	16.1	20	

Sample ID: **112653-088A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123219**
Client ID: **AM3-R 3** Batch ID: **65483** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	227.724	5.0	250.0	42.59	74.1	34	126				

Sample ID: **MB-65483B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123219**
Client ID: **PBS** Batch ID: **65483** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.308	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112653-104A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123219**
Client ID: **AO1-R 1** Batch ID: **65483** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	78.480	5.0						35.40	75.7	20	R

Sample ID: **112653-104A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123219**
Client ID: **AO1-R 1** Batch ID: **65483** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975299**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.174	5.0	250.0	35.40	87.1	34	126				

Sample ID: **112653-104A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123219**
Client ID: **AO1-R 1** Batch ID: **65483** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975300**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	249.798	5.0	250.0	35.40	85.8	34	126	253.2	1.34	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65484A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123231**
Client ID: **PBS** Batch ID: **65484** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975448**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65484** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123231**
Client ID: **LCSS** Batch ID: **65484** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	268.813	5.0	250.0	0	108	80	120				

Sample ID: **112653-114A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123231**
Client ID: **AP1-R 0.5** Batch ID: **65484** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	143.507	5.0						270.1	61.2	20	R

Sample ID: **112653-114A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123231**
Client ID: **AP1-R 0.5** Batch ID: **65484** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	633.081	5.0	250.0	270.1	145	34	126				S

Sample ID: **MB-65484B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123231**
Client ID: **PBS** Batch ID: **65484** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/16/2010** SeqNo: **1975462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.285	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112653-118A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/15/2010**	RunNo: **123231**
Client ID: **AP1-R 4**	Batch ID: **65484**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/16/2010**	SeqNo: **1975467**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.443	5.0						3.197	0	20	

Sample ID: **112653-118A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/15/2010**	RunNo: **123231**
Client ID: **AP1-R 4**	Batch ID: **65484**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/16/2010**	SeqNo: **1975468**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.077	5.0	250.0	3.197	86.8	34	126				

Sample ID: **112653-118A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/15/2010**	RunNo: **123231**
Client ID: **AP1-R 4**	Batch ID: **65484**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/16/2010**	SeqNo: **1975469**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	229.262	5.0	250.0	3.197	90.4	34	126	220.1	4.09	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112595-001A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **112611-027A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973198**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.100	0.10	5.000	0	102	85	115				

Sample ID: **112611-027A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **ZZZZZZ** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.070	0.10	5.000	0	101	85	115	5.100	0.590	20	

Sample ID: **LCS-65459** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **LCSS** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.030	0.10	5.000	0	101	85	115				

Sample ID: **MB-65459** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/14/2010** RunNo: **123119**
Client ID: **PBS** Batch ID: **65459** TestNo: **EPA 7196A** Analysis Date: **7/14/2010** SeqNo: **1973207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65473** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123186**
Client ID: **PBS** Batch ID: **65473** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65473** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123186**
Client ID: **LCSS** Batch ID: **65473** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.709	0.10	0.8300	0	85.4	80	120				

Sample ID: **112653-040A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123186**
Client ID: **AJ2-R 3** Batch ID: **65473** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974561**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.018	0.10	0.8300	0.1638	103	70	130				

Sample ID: **112653-040A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123186**
Client ID: **AJ2-R 3** Batch ID: **65473** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974562**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.001	0.10	0.8300	0.1638	101	70	130	1.018	1.67	20	

Sample ID: **112653-040A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123186**
Client ID: **AJ2-R 3** Batch ID: **65473** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974564**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.167	0.10						0.1638	1.83	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65474** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123192**
Client ID: **PBS** Batch ID: **65474** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974659**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65474** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123192**
Client ID: **LCSS** Batch ID: **65474** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.707	0.10	0.8300	0	85.2	80	120				

Sample ID: **112653-098A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123192**
Client ID: **AN2-R 1** Batch ID: **65474** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.971	0.10	0.8300	0.1049	104	70	130				

Sample ID: **112653-098A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123192**
Client ID: **AN2-R 1** Batch ID: **65474** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974662**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.976	0.10	0.8300	0.1049	105	70	130	0.9714	0.459	20	

Sample ID: **112653-098A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123192**
Client ID: **AN2-R 1** Batch ID: **65474** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974664**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.105	0.10						0.1049	0.567	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65475** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123197**
Client ID: **PBS** Batch ID: **65475** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65475** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123197**
Client ID: **LCSS** Batch ID: **65475** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.793	0.10	0.8300	0	95.6	80	120				

Sample ID: **112668-003A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123197**
Client ID: **ZZZZZZ** Batch ID: **65475** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.939	0.10	0.8300	0.05771	106	70	130				

Sample ID: **112668-003A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123197**
Client ID: **ZZZZZZ** Batch ID: **65475** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.905	0.10	0.8300	0.05771	102	70	130	0.9386	3.66	20	

Sample ID: **112668-003A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/15/2010** RunNo: **123197**
Client ID: **ZZZZZZ** Batch ID: **65475** TestNo: **EPA 7471A** Analysis Date: **7/16/2010** SeqNo: **1974752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.056	0.10						0.05771	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112653-050ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123217**
Client ID: **AK2-R 1** Batch ID: **R123217** TestNo: **EPA 9045C** Analysis Date: **7/16/2010** SeqNo: **1975255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.090	0.10						8.070	0.248	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112670-004ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123218**
Client ID: **ZZZZZZ** Batch ID: **R123218** TestNo: **EPA 9045C** Analysis Date: **7/16/2010** SeqNo: **1975272**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	10.080	0.10						10.10	0.198	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CHAIN OF CUSTODY RECORD

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P.O. #: ____ Quote #: ____
Logged By: ____ Date: 7/12/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

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Method of Transport: Client / ATL; FedEx / OnTrac; GSO; Other: GSO

Sample Condition Upon Receipt: 5.8 4.6

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06/47
Sampler: Lauren Vigliotti (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/9/10 Time: 1230
Received by: (Signature and Printed Name) Mary Date: 7/10/10 Time: 8:36
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Bay~~ Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
10% randomly selected pit analysis

		DATE	time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type	TD
	~~AG1-R (0.5, 1, 2, 3, 4, 6)~~						X								X										
	~~AG2-R (0.5, 1, 2, 3, 4, 6)~~						X								X										
	~~AG3-R (0.5, 1, 2, 3, 4, 6)~~						X								X										
112653-1/6	AH1-R (0.5, 1, 2, 3, 4, 6)	7/9/10	0550				X								X							E	6	T	P	6
-7/8	AH1-R (0.5)		0550							X					X								1			—
-7/12 9/14	AH2-R (0.5, 1, 2, 3, 4, 6)		0610				X								X								6			6
-13/18 15/20	AI1-R (0.5, 1, 2, 3, 4, 6)		0625				X								X											6
-19/24	AI2-R (0.5, 1, 2, 3, 4, 6)		0640							X					X											6
-25/30	AI3-R (0.5, 1, 2, 3, 4, 6)		0655				X								X											6

TAT starts 8AM the following day if samples received after 5 PM

TAT: E-standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/9/10 Time: 1230 Received by: (Signature and Printed Name) Date: 7/10/10 Time: 8:36

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: _____
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Day~~
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See page 1

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		TD
11:53	-37/39	AJ1-R (0.5, 1, 2, 3, 4, 6)	7/9/10					X								X						E	6	T	P	6
	-37/47	AJ2-R (0.5, 1, 2, 3, 4, 6)								X						X										
	-43/48	AK1-R (0.5, 1, 2, 3, 4, 6)						X								X										
	-49/54	AK2-R (0.5, 1, 2, 3, 4, 6)						X								X										
	-55/60	AK3-R (0.5, 1, 2, 3, 4, 6)						X								X										
	-61/66	AL1-R (0.5, 1, 2, 3, 4, 6)								X						X										
	61	AL1-R (0.5)									X					X							1			
	-67/72	AL2-R (0.5, 1, 2, 3, 4, 6)						X								X							6			6

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: E-Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/9/10 Time: 1230
Received by: (Signature and Printed Name) Mark Date: 7/10/10 Time: 8:36
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See page 1

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type	TD
112653-73/78	AM1-R (0.5, 1, 2, 3, 4, 6)	7/9/10	0850				X								X							E	6	T P	6
-79/84	AM2-R (0.5, 1, 2, 3, 4, 6)		0900				X								X										
-85/90	AM3-R (0.5, 1, 2, 3, 4, 6)		0910				X								X										
-91/96	AN1-R (0.5, 1, 2, 3, 4, 6)		0940				X								X										
-97/102	AN2-R (0.5, 1, 2, 3, 4, 6)		0950							X					X										
-103/108	AO1-R (0.5, 1, 2, 3, 4, 6)		1020				X								X										
-109/113	AO2-R (0.5, 1, 2, 3, 4, [redacted])		1040				X								X								5		4.5'
-114/118	AP1-R (0.5, 1, 2, 3, 4, [redacted])		1100				X								X								5		4.0'
	AP1-R (0.5)		1100								X				X								1		—

- TAT starts 8AM the following day if samples received after 5 PM

TAT: E- Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

July 26, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112653

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 10, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *26-Jul-10*

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112653

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for sample 112653-103A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/26/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-010A	AH2-R 3	1.6	mg/L	65709	0.25	1	7/9/2010	7/23/2010
112653-023A	Al2-R 4	4.7	mg/L	65709	0.25	1	7/9/2010	7/23/2010
112653-085A	AM3-R 0.5	0.83	mg/L	65709	0.25	1	7/9/2010	7/23/2010
112653-103A	AO1-R 0.5	10	mg/L	65709	0.50	2	7/9/2010	7/23/2010
112653-113A	AO2-R 4	3.4	mg/L	65709	0.25	1	7/9/2010	7/23/2010
112653-114A	AP1-R 0.5	1.2	mg/L	65709	0.25	1	7/9/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65709A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/21/2010** RunNo: **123590**
Client ID: **PBS** Batch ID: **65709** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/23/2010** SeqNo: **1983010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65709** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/21/2010** RunNo: **123590**
Client ID: **LCSS** Batch ID: **65709** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/23/2010** SeqNo: **1983011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.067	0.25	5.000	0	101	80	120				

Sample ID: **112676-035A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/21/2010** RunNo: **123590**
Client ID: **ZZZZZZ** Batch ID: **65709** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/23/2010** SeqNo: **1983022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112676-035A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/21/2010** RunNo: **123590**
Client ID: **ZZZZZZ** Batch ID: **65709** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/23/2010** SeqNo: **1983023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.310	0.25	5.000	0	106	80	120				

Sample ID: **MB-65709B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/21/2010** RunNo: **123590**
Client ID: **PBS** Batch ID: **65709** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/23/2010** SeqNo: **1983024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112757-007A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/21/2010** RunNo: **123590**
Client ID: **ZZZZZZ** Batch ID: **65709** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/23/2010** SeqNo: **1983030**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.344	0.25						6.413	1.08	20	

Sample ID: **112757-007A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/21/2010** RunNo: **123590**
Client ID: **ZZZZZZ** Batch ID: **65709** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/23/2010** SeqNo: **1983031**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.436	0.50	5.000	6.413	100	80	120				

Sample ID: **112757-007A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/21/2010** RunNo: **123590**
Client ID: **ZZZZZZ** Batch ID: **65709** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/23/2010** SeqNo: **1983032**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.387	0.50	5.000	6.413	99.5	80	120	11.44	0.422	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Livermore Office (Rick Day) [day@geoconinc.com]
Sent: Friday, July 16, 2010 4:40 PM
To: Diane Galvan
Cc: Lauren Vigliotti; David Watts
Subject: RE: Results/EDD - Alameda County Eastbound I-580 Truck Climbing Lane Project (112631)

Hi Diane –

For the Eastbound I-580 Truck Climbing Lane project (Geocon project no. E8435-06-47), please run WET lead on all sample with total lead > 50 mg/kg.

This applies to ATL Nos. 112595, 112611, 112631, and future work orders.

Thanks,
Rick.

August 06, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112653

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 10, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 8/6/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112653
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/10/2010 8:52:02 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112653-103A	AO1-R 0.5	ND	mg/L	66025	0.25	1	7/9/2010	8/5/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112653
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-66025A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123954**
Client ID: **PBS** Batch ID: **66025** TestNo: **WET DI/ EPA WET** Analysis Date: **8/5/2010** SeqNo: **1990885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66025** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123954**
Client ID: **LCSS** Batch ID: **66025** TestNo: **WET DI/ EPA WET** Analysis Date: **8/5/2010** SeqNo: **1990886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.150	0.25	5.000	0	103	80	120				

Sample ID: **112653-103A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123954**
Client ID: **AO1-R 0.5** Batch ID: **66025** TestNo: **WET DI/ EPA WET** Analysis Date: **8/5/2010** SeqNo: **1990888**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112653-103A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123954**
Client ID: **AO1-R 0.5** Batch ID: **66025** TestNo: **WET DI/ EPA WET** Analysis Date: **8/5/2010** SeqNo: **1990889**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.105	0.25	5.000	0	102	70	130				

Sample ID: **112653-103A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123954**
Client ID: **AO1-R 0.5** Batch ID: **66025** TestNo: **WET DI/ EPA WET** Analysis Date: **8/5/2010** SeqNo: **1990890**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.125	0.25	5.000	0	102	70	130	5.105	0.394	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Friday, July 30, 2010 3:59 PM
To: Diane Galvan
Cc: 'David Watts'
Subject: FW: FW: Results/EDD - Alameda County Eastbound I-580 Truck Climbing Lane Project

Diane:
Please run the following samples under standard TAT. Thanks!
-Lauren

WO112653:

AO1-R 0.5 for Pb DI-WET.

WO112821:

Pb WET:
BML-RW7 2
AZ1-L 1
BB1-L 1
BA1-L 1

Pb TCLP:
BA1-L 0.5
BB1-L 0.5
BB1-L 3.5
AZ1-L 0.5

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 768-9874

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank Bakersfield Sacramento Livermore Carson City Las Vegas Portland

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July 20, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112695

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 13, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112695

CASE NARRATIVE

Analytical Comments for Method 6010

Dilution was necessary for sample 112695-123A, due to sample matrix.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112695-050AMS and 112695-050AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) is outside criteria for samples 112695-010ADUP, 112695-037ADUP, 112695-049ADUP, 112695-050ADUP, 112695-067ADUP, 112695-070ADUP, 112695-096ADUP, 112695-100ADUP, 112695-108ADUP, 112695-119ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for Method 7196

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112670-003AMS and 112670-100AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: 7/20/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-001A	AR1-R 0.5	99	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-002A	AR1-R 1	5.6	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-003A	AR1-R 2	7.1	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-004A	AR1-R 3	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-005A	AR1-R 4	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-006A	AR2-R 0.5	15	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-007A	AR2-R 1	6.2	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-008A	AR2-R 2	5.7	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-009A	AR2-R 3	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-010A	AR2-R 4	10	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-011A	AS1-R 0.5	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-012A	AS1-R 1	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-013A	AS1-R 2	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-014A	AS1-R 3	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-015A	AS1-R 4	6.5	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-016A	AS2-R 0.5	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-017A	AS2-R 1	5.2	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-018A	AS2-R 2	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/20/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-019A	AS2-R 3	ND	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-020A	AS2-R 4	7.6	mg/Kg	65560	5.0	1	7/12/2010	7/19/2010
112695-021A	AS2-R 6	5.5	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-022A	AS3-R 0.5	85	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-023A	AS3-R 1	11	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-024A	AS3-R 2	5.7	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-025A	AS3-R 3	5.4	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-032A	AT2-R 0.5	100	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-033A	AT2-R 1	15	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-034A	AT2-R 2	13	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-035A	AT2-R 3	12	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-036A	AT3-R 0.5	74	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-037A	AT3-R 1	36	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-038A	AT3-R 2	27	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-039A	AT3-R 3	17	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-040A	AT4-R 0.5	12	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-041A	AT4-R 1	14	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-042A	AT4-R 2	13	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/20/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-043A	AT4-R 3	9.1	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-044A	AT4-R 4	ND	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-045A	AT4-R 6	10	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-057A	AU2-R 0.5	55	mg/Kg	65561	5.0	1	7/12/2010	7/19/2010
112695-058A	AU2-R 1	59	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-059A	AU2-R 2	7.7	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-060A	AU2-R 3	ND	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-061A	AU2-R 4	ND	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-062A	AU3-R 0.5	69	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-063A	AU3-R 1	210	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-064A	AU3-R 2	72	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-065A	AU3-R 3	170	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-066A	AU3-R 4	140	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-067A	AU3-R 6	9.2	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-071A	AV1-R 0.5	45	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-072A	AV1-R 1	ND	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-073A	AV1-R 2	8.2	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-074A	AV1-R 3	10	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/20/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-075A	AV1-R 4	13	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-076A	AV1-R 6	18	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-077A	AV2-R 0.5	14	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-078A	AV2-R 1	28	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-079A	AV2-R 2	150	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-080A	AV2-R 3	12	mg/Kg	65562	5.0	1	7/12/2010	7/19/2010
112695-081A	AV2-R 4	70	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-082A	AV2-R 6	240	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-089A	AW2-RAMP 0.5	96	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-090A	AW2-RAMP 1	9.9	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-091A	AW2-RAMP 2	15	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-092A	AW2-RAMP 3	9.8	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-093A	AW2-RAMP 4	26	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-094A	AW2-RAMP 6	ND	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-095A	AW3-RAMP 0.5	34	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-096A	AW3-RAMP 1	9.2	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-097A	AW3-RAMP 2	15	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-098A	AW3-RAMP 3	7.5	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/20/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-099A	AW3-RAMP 4	9.0	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-100A	AW1-R 0.5	130	mg/Kg	65621	5.0	1	7/12/2010	7/19/2010
112695-101A	AW1-R 1	18	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-102A	AW1-R 2	5.9	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-103A	AW1-R 3	14	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-106A	AX1-R 0.5	25	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-107A	AX1-R 1	19	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-108A	AX1-R 2	48	mg/Kg	65563	5.0	1	7/12/2010	7/19/2010
112695-109A	AX1-R 3	8.9	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-110A	AX1-R 4	7.8	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-111A	AX1-R 6	9.7	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-112A	AX2-R 0.5	37	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-113A	AX2-R 1	8.2	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-114A	AX2-R 2	9.9	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-115A	AX2-R 3	6.3	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-116A	AX2-R 4	5.0	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-117A	AX2-R 6	34	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-124A	AY2-R 0.5	100	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/20/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-125A	AY2-R 1	22	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-126A	AY2-R 2	15	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-127A	AY2-R 3	6.9	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-128A	AY2-R 4	ND	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-129A	AY2-R 6	6.6	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-130A	AY3-R 0.5	66	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-131A	AY3-R 1	65	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010
112695-132A	AY3-R 2	11	mg/Kg	65564	5.0	1	7/12/2010	7/19/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/20/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-026A	AT1-R 0.5	ND	mg/Kg	65634	0.10	1	7/12/2010	7/19/2010
112695-100A	AW1-R 0.5	ND	mg/Kg	65634	0.10	1	7/12/2010	7/19/2010

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/20/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-005A	AR1-R 4	7.7	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-016A	AS2-R 0.5	8.6	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-027A	AT1-R 1	8.8	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-038A	AT3-R 2	8.2	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-049A	AT5-R 3	8.1	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-051A	AT5-R 6	8.0	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-062A	AU3-R 0.5	8.2	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-073A	AV1-R 2	8.6	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-084A	AW1-RAMP 1	8.4	pH Units	R123366	0.10	1	7/12/2010	7/19/2010
112695-095A	AW3-RAMP 0.5	6.9	pH Units	R123368	0.10	1	7/12/2010	7/19/2010
112695-106A	AX1-R 0.5	7.8	pH Units	R123368	0.10	1	7/12/2010	7/19/2010
112695-117A	AX2-R 6	7.8	pH Units	R123368	0.10	1	7/12/2010	7/19/2010
112695-128A	AY2-R 4	8.2	pH Units	R123368	0.10	1	7/12/2010	7/19/2010
112695-132A	AY3-R 2	8.2	pH Units	R123368	0.10	1	7/12/2010	7/19/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT1-R 0.5
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-026A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719G	QC Batch: 65622			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 04:43 PM
Arsenic	ND	1.0		mg/Kg	1	7/19/2010 04:43 PM
Barium	95	1.0		mg/Kg	1	7/19/2010 04:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 04:43 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 04:43 PM
Chromium	11	1.0		mg/Kg	1	7/19/2010 04:43 PM
Cobalt	8.8	1.0		mg/Kg	1	7/19/2010 04:43 PM
Copper	23	2.0		mg/Kg	1	7/19/2010 04:43 PM
Lead	22	1.0		mg/Kg	1	7/19/2010 04:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 04:43 PM
Nickel	13	1.0		mg/Kg	1	7/19/2010 04:43 PM
Selenium	ND	1.0		mg/Kg	1	7/19/2010 04:43 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 04:43 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 04:43 PM
Vanadium	59	1.0		mg/Kg	1	7/19/2010 04:43 PM
Zinc	44	1.0		mg/Kg	1	7/19/2010 04:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100719C	QC Batch: 65623			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/19/2010 01:25 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT1-R 1
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-027A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548				PrepDate: 7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:01 PM
Arsenic	ND	1.0		mg/Kg	1	7/19/2010 06:01 PM
Barium	78	1.0		mg/Kg	1	7/19/2010 06:01 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:01 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 06:01 PM
Chromium	16	1.0		mg/Kg	1	7/19/2010 06:01 PM
Cobalt	11	1.0		mg/Kg	1	7/19/2010 06:01 PM
Copper	14	2.0		mg/Kg	1	7/19/2010 06:01 PM
Lead	3.5	1.0		mg/Kg	1	7/19/2010 06:01 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:01 PM
Nickel	15	1.0		mg/Kg	1	7/19/2010 06:01 PM
Selenium	ND	1.0		mg/Kg	1	7/19/2010 06:01 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:01 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:01 PM
Vanadium	100	1.0		mg/Kg	1	7/19/2010 06:01 PM
Zinc	36	1.0		mg/Kg	1	7/19/2010 06:01 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535				PrepDate: 7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 02:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT1-R 2
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-028A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548				PrepDate: 7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:05 PM
Arsenic	1.0	1.0		mg/Kg	1	7/19/2010 06:05 PM
Barium	110	1.0		mg/Kg	1	7/19/2010 06:05 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:05 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 06:05 PM
Chromium	15	1.0		mg/Kg	1	7/19/2010 06:05 PM
Cobalt	10	1.0		mg/Kg	1	7/19/2010 06:05 PM
Copper	14	2.0		mg/Kg	1	7/19/2010 06:05 PM
Lead	4.1	1.0		mg/Kg	1	7/19/2010 06:05 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:05 PM
Nickel	17	1.0		mg/Kg	1	7/19/2010 06:05 PM
Selenium	1.0	1.0		mg/Kg	1	7/19/2010 06:05 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:05 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:05 PM
Vanadium	77	1.0		mg/Kg	1	7/19/2010 06:05 PM
Zinc	36	1.0		mg/Kg	1	7/19/2010 06:05 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535				PrepDate: 7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 02:54 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT1-R 3
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-029A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548				PrepDate: 7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:09 PM
Arsenic	ND	1.0		mg/Kg	1	7/19/2010 06:09 PM
Barium	72	1.0		mg/Kg	1	7/19/2010 06:09 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:09 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 06:09 PM
Chromium	25	1.0		mg/Kg	1	7/19/2010 06:09 PM
Cobalt	7.2	1.0		mg/Kg	1	7/19/2010 06:09 PM
Copper	14	2.0		mg/Kg	1	7/19/2010 06:09 PM
Lead	2.8	1.0		mg/Kg	1	7/19/2010 06:09 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:09 PM
Nickel	44	1.0		mg/Kg	1	7/19/2010 06:09 PM
Selenium	ND	1.0		mg/Kg	1	7/19/2010 06:09 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:09 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:09 PM
Vanadium	23	1.0		mg/Kg	1	7/19/2010 06:09 PM
Zinc	29	1.0		mg/Kg	1	7/19/2010 06:09 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535				PrepDate: 7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 02:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT1-R 4
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-030A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548				PrepDate: 7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:13 PM
Arsenic	4.6	1.0		mg/Kg	1	7/19/2010 06:13 PM
Barium	220	1.0		mg/Kg	1	7/19/2010 06:13 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:13 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 06:13 PM
Chromium	29	1.0		mg/Kg	1	7/19/2010 06:13 PM
Cobalt	13	1.0		mg/Kg	1	7/19/2010 06:13 PM
Copper	42	2.0		mg/Kg	1	7/19/2010 06:13 PM
Lead	9.3	1.0		mg/Kg	1	7/19/2010 06:13 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:13 PM
Nickel	39	1.0		mg/Kg	1	7/19/2010 06:13 PM
Selenium	1.3	1.0		mg/Kg	1	7/19/2010 06:13 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:13 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:13 PM
Vanadium	43	1.0		mg/Kg	1	7/19/2010 06:13 PM
Zinc	80	1.0		mg/Kg	1	7/19/2010 06:13 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535				PrepDate: 7/16/2010	Analyst: **IL**
Mercury	0.15	0.10		mg/Kg	1	7/18/2010 03:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT1-R 6
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-031A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548				PrepDate: 7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:18 PM
Arsenic	7.3	1.0		mg/Kg	1	7/19/2010 06:18 PM
Barium	180	1.0		mg/Kg	1	7/19/2010 06:18 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:18 PM
Cadmium	1.4	1.0		mg/Kg	1	7/19/2010 06:18 PM
Chromium	30	1.0		mg/Kg	1	7/19/2010 06:18 PM
Cobalt	20	1.0		mg/Kg	1	7/19/2010 06:18 PM
Copper	44	2.0		mg/Kg	1	7/19/2010 06:18 PM
Lead	11	1.0		mg/Kg	1	7/19/2010 06:18 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:18 PM
Nickel	50	1.0		mg/Kg	1	7/19/2010 06:18 PM
Selenium	1.4	1.0		mg/Kg	1	7/19/2010 06:18 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:18 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:18 PM
Vanadium	46	1.0		mg/Kg	1	7/19/2010 06:18 PM
Zinc	79	1.0		mg/Kg	1	7/19/2010 06:18 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535				PrepDate: 7/16/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/18/2010 03:04 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT5-R 0.5
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-046A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:22 PM
Arsenic	6.6	1.0		mg/Kg	1	7/19/2010 06:22 PM
Barium	160	1.0		mg/Kg	1	7/19/2010 06:22 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:22 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 06:22 PM
Chromium	25	1.0		mg/Kg	1	7/19/2010 06:22 PM
Cobalt	12	1.0		mg/Kg	1	7/19/2010 06:22 PM
Copper	30	2.0		mg/Kg	1	7/19/2010 06:22 PM
Lead	8.0	1.0		mg/Kg	1	7/19/2010 06:22 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:22 PM
Nickel	31	1.0		mg/Kg	1	7/19/2010 06:22 PM
Selenium	ND	1.0		mg/Kg	1	7/19/2010 06:22 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:22 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:22 PM
Vanadium	48	1.0		mg/Kg	1	7/19/2010 06:22 PM
Zinc	59	1.0		mg/Kg	1	7/19/2010 06:22 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:06 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT5-R 1
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-047A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548				PrepDate: 7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:34 PM
Arsenic	6.2	1.0		mg/Kg	1	7/19/2010 06:34 PM
Barium	83	1.0		mg/Kg	1	7/19/2010 06:34 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:34 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 06:34 PM
Chromium	25	1.0		mg/Kg	1	7/19/2010 06:34 PM
Cobalt	11	1.0		mg/Kg	1	7/19/2010 06:34 PM
Copper	25	2.0		mg/Kg	1	7/19/2010 06:34 PM
Lead	8.7	1.0		mg/Kg	1	7/19/2010 06:34 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:34 PM
Nickel	26	1.0		mg/Kg	1	7/19/2010 06:34 PM
Selenium	ND	1.0		mg/Kg	1	7/19/2010 06:34 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:34 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:34 PM
Vanadium	46	1.0		mg/Kg	1	7/19/2010 06:34 PM
Zinc	63	1.0		mg/Kg	1	7/19/2010 06:34 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535				PrepDate: 7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:08 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT5-R 2
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-048A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548				PrepDate: 7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:38 PM
Arsenic	7.4	1.0		mg/Kg	1	7/19/2010 06:38 PM
Barium	75	1.0		mg/Kg	1	7/19/2010 06:38 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:38 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 06:38 PM
Chromium	24	1.0		mg/Kg	1	7/19/2010 06:38 PM
Cobalt	12	1.0		mg/Kg	1	7/19/2010 06:38 PM
Copper	26	2.0		mg/Kg	1	7/19/2010 06:38 PM
Lead	7.9	1.0		mg/Kg	1	7/19/2010 06:38 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:38 PM
Nickel	28	1.0		mg/Kg	1	7/19/2010 06:38 PM
Selenium	ND	1.0		mg/Kg	1	7/19/2010 06:38 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:38 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:38 PM
Vanadium	42	1.0		mg/Kg	1	7/19/2010 06:38 PM
Zinc	64	1.0		mg/Kg	1	7/19/2010 06:38 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535				PrepDate: 7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:10 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT5-R 3
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-049A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719I	QC Batch: 65548			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 06:42 PM
Arsenic	10	1.0		mg/Kg	1	7/19/2010 06:42 PM
Barium	110	1.0		mg/Kg	1	7/19/2010 06:42 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 06:42 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 06:42 PM
Chromium	28	1.0		mg/Kg	1	7/19/2010 06:42 PM
Cobalt	14	1.0		mg/Kg	1	7/19/2010 06:42 PM
Copper	35	2.0		mg/Kg	1	7/19/2010 06:42 PM
Lead	9.1	1.0		mg/Kg	1	7/19/2010 06:42 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 06:42 PM
Nickel	31	1.0		mg/Kg	1	7/19/2010 06:42 PM
Selenium	ND	1.0		mg/Kg	1	7/19/2010 06:42 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 06:42 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 06:42 PM
Vanadium	43	1.0		mg/Kg	1	7/19/2010 06:42 PM
Zinc	76	1.0		mg/Kg	1	7/19/2010 06:42 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718A	QC Batch: 65535			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	0.13	0.10		mg/Kg	1	7/18/2010 02:47 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT5-R 4
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-050A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719G	QC Batch: 65622			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 04:18 PM
Arsenic	7.7	1.0		mg/Kg	1	7/19/2010 04:18 PM
Barium	140	1.0		mg/Kg	1	7/19/2010 04:18 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 04:18 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 04:18 PM
Chromium	26	1.0		mg/Kg	1	7/19/2010 04:18 PM
Cobalt	11	1.0		mg/Kg	1	7/19/2010 04:18 PM
Copper	35	2.0		mg/Kg	1	7/19/2010 04:18 PM
Lead	8.7	1.0		mg/Kg	1	7/19/2010 04:18 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 04:18 PM
Nickel	30	1.0		mg/Kg	1	7/19/2010 04:18 PM
Selenium	ND	1.0		mg/Kg	1	7/19/2010 04:18 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 04:18 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 04:18 PM
Vanadium	42	1.0		mg/Kg	1	7/19/2010 04:18 PM
Zinc	69	1.0		mg/Kg	1	7/19/2010 04:18 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AT5-R 6
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-051A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:12 PM
Arsenic	6.1	1.0		mg/Kg	1	7/19/2010 07:12 PM
Barium	95	1.0		mg/Kg	1	7/19/2010 07:12 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:12 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:12 PM
Chromium	27	1.0		mg/Kg	1	7/19/2010 07:12 PM
Cobalt	8.8	1.0		mg/Kg	1	7/19/2010 07:12 PM
Copper	29	2.0		mg/Kg	1	7/19/2010 07:12 PM
Lead	13	1.0		mg/Kg	1	7/19/2010 07:12 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 07:12 PM
Nickel	32	1.0		mg/Kg	1	7/19/2010 07:12 PM
Selenium	1.0	1.0		mg/Kg	1	7/19/2010 07:12 PM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:12 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:12 PM
Vanadium	38	1.0		mg/Kg	1	7/19/2010 07:12 PM
Zinc	64	1.0		mg/Kg	1	7/19/2010 07:12 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:36 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AU1-R 0.5
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-052A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:24 PM
Arsenic	ND	1.0		mg/Kg	1	7/19/2010 07:24 PM
Barium	87	1.0		mg/Kg	1	7/19/2010 07:24 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:24 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:24 PM
Chromium	14	1.0		mg/Kg	1	7/19/2010 07:24 PM
Cobalt	9.7	1.0		mg/Kg	1	7/19/2010 07:24 PM
Copper	17	2.0		mg/Kg	1	7/19/2010 07:24 PM
Lead	5.6	1.0		mg/Kg	1	7/19/2010 07:24 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 07:24 PM
Nickel	13	1.0		mg/Kg	1	7/19/2010 07:24 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 10:04 AM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:24 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:24 PM
Vanadium	69	1.0		mg/Kg	1	7/19/2010 07:24 PM
Zinc	39	1.0		mg/Kg	1	7/19/2010 07:24 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:38 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AU1-R 1
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-053A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:29 PM
Arsenic	ND	1.0		mg/Kg	1	7/19/2010 07:29 PM
Barium	60	1.0		mg/Kg	1	7/19/2010 07:29 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:29 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:29 PM
Chromium	17	1.0		mg/Kg	1	7/19/2010 07:29 PM
Cobalt	12	1.0		mg/Kg	1	7/19/2010 07:29 PM
Copper	15	2.0		mg/Kg	1	7/19/2010 07:29 PM
Lead	3.4	1.0		mg/Kg	1	7/19/2010 07:29 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 07:29 PM
Nickel	15	1.0		mg/Kg	1	7/19/2010 07:29 PM
Selenium	1.3	1.0		mg/Kg	1	7/20/2010 10:09 AM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:29 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:29 PM
Vanadium	86	1.0		mg/Kg	1	7/19/2010 07:29 PM
Zinc	38	1.0		mg/Kg	1	7/19/2010 07:29 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:40 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AU1-R 2
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-054A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:33 PM
Arsenic	ND	1.0		mg/Kg	1	7/19/2010 07:33 PM
Barium	59	1.0		mg/Kg	1	7/19/2010 07:33 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:33 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:33 PM
Chromium	16	1.0		mg/Kg	1	7/19/2010 07:33 PM
Cobalt	11	1.0		mg/Kg	1	7/19/2010 07:33 PM
Copper	13	2.0		mg/Kg	1	7/19/2010 07:33 PM
Lead	3.2	1.0		mg/Kg	1	7/19/2010 07:33 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 07:33 PM
Nickel	14	1.0		mg/Kg	1	7/19/2010 07:33 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 10:13 AM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:33 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:33 PM
Vanadium	75	1.0		mg/Kg	1	7/19/2010 07:33 PM
Zinc	34	1.0		mg/Kg	1	7/19/2010 07:33 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:42 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AU1-R 3
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-055A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:37 PM
Arsenic	2.7	1.0		mg/Kg	1	7/19/2010 07:37 PM
Barium	140	1.0		mg/Kg	1	7/19/2010 07:37 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:37 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:37 PM
Chromium	21	1.0		mg/Kg	1	7/19/2010 07:37 PM
Cobalt	13	1.0		mg/Kg	1	7/19/2010 07:37 PM
Copper	13	2.0		mg/Kg	1	7/19/2010 07:37 PM
Lead	2.5	1.0		mg/Kg	1	7/19/2010 07:37 PM
Molybdenum	3.9	1.0		mg/Kg	1	7/19/2010 07:37 PM
Nickel	12	1.0		mg/Kg	1	7/19/2010 07:37 PM
Selenium	5.0	1.0		mg/Kg	1	7/20/2010 10:17 AM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:37 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:37 PM
Vanadium	100	1.0		mg/Kg	1	7/19/2010 07:37 PM
Zinc	38	1.0		mg/Kg	1	7/19/2010 07:37 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:44 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AU1-R 4
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-056A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:41 PM
Arsenic	ND	1.0		mg/Kg	1	7/19/2010 07:41 PM
Barium	130	1.0		mg/Kg	1	7/19/2010 07:41 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:41 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:41 PM
Chromium	21	1.0		mg/Kg	1	7/19/2010 07:41 PM
Cobalt	12	1.0		mg/Kg	1	7/19/2010 07:41 PM
Copper	13	2.0		mg/Kg	1	7/19/2010 07:41 PM
Lead	2.7	1.0		mg/Kg	1	7/19/2010 07:41 PM
Molybdenum	3.9	1.0		mg/Kg	1	7/19/2010 07:41 PM
Nickel	14	1.0		mg/Kg	1	7/19/2010 07:41 PM
Selenium	3.3	1.0		mg/Kg	1	7/20/2010 10:21 AM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:41 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:41 PM
Vanadium	87	1.0		mg/Kg	1	7/19/2010 07:41 PM
Zinc	42	1.0		mg/Kg	1	7/19/2010 07:41 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:46 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AU4-R 0.5
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-068A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:45 PM
Arsenic	8.8	1.0		mg/Kg	1	7/19/2010 07:45 PM
Barium	100	1.0		mg/Kg	1	7/19/2010 07:45 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:45 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:45 PM
Chromium	28	1.0		mg/Kg	1	7/19/2010 07:45 PM
Cobalt	12	1.0		mg/Kg	1	7/19/2010 07:45 PM
Copper	34	2.0		mg/Kg	1	7/19/2010 07:45 PM
Lead	68	1.0		mg/Kg	1	7/19/2010 07:45 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 07:45 PM
Nickel	30	1.0		mg/Kg	1	7/19/2010 07:45 PM
Selenium	1.4	1.0		mg/Kg	1	7/20/2010 10:25 AM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:45 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:45 PM
Vanadium	46	1.0		mg/Kg	1	7/19/2010 07:45 PM
Zinc	130	1.0		mg/Kg	1	7/19/2010 07:45 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:52 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AU4-R 1
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-069A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:49 PM
Arsenic	6.1	1.0		mg/Kg	1	7/19/2010 07:49 PM
Barium	130	1.0		mg/Kg	1	7/19/2010 07:49 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:49 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:49 PM
Chromium	25	1.0		mg/Kg	1	7/19/2010 07:49 PM
Cobalt	11	1.0		mg/Kg	1	7/19/2010 07:49 PM
Copper	25	2.0		mg/Kg	1	7/19/2010 07:49 PM
Lead	13	1.0		mg/Kg	1	7/19/2010 07:49 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 07:49 PM
Nickel	27	1.0		mg/Kg	1	7/19/2010 07:49 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 10:29 AM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:49 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:49 PM
Vanadium	46	1.0		mg/Kg	1	7/19/2010 07:49 PM
Zinc	63	1.0		mg/Kg	1	7/19/2010 07:49 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:54 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AU4-R 2
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-070A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100719J	QC Batch: 65549			PrepDate:	7/16/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/19/2010 07:53 PM
Arsenic	7.8	1.0		mg/Kg	1	7/19/2010 07:53 PM
Barium	130	1.0		mg/Kg	1	7/19/2010 07:53 PM
Beryllium	ND	1.0		mg/Kg	1	7/19/2010 07:53 PM
Cadmium	ND	1.0		mg/Kg	1	7/19/2010 07:53 PM
Chromium	28	1.0		mg/Kg	1	7/19/2010 07:53 PM
Cobalt	12	1.0		mg/Kg	1	7/19/2010 07:53 PM
Copper	29	2.0		mg/Kg	1	7/19/2010 07:53 PM
Lead	17	1.0		mg/Kg	1	7/19/2010 07:53 PM
Molybdenum	ND	1.0		mg/Kg	1	7/19/2010 07:53 PM
Nickel	29	1.0		mg/Kg	1	7/19/2010 07:53 PM
Selenium	1.1	1.0		mg/Kg	1	7/20/2010 10:33 AM
Silver	ND	1.0		mg/Kg	1	7/19/2010 07:53 PM
Thallium	ND	1.0		mg/Kg	1	7/19/2010 07:53 PM
Vanadium	50	1.0		mg/Kg	1	7/19/2010 07:53 PM
Zinc	74	1.0		mg/Kg	1	7/19/2010 07:53 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718B	QC Batch: 65536			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 03:29 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AW1-RAMP 0.5
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-083A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 07:50 AM
Arsenic	4.4	1.0		mg/Kg	1	7/20/2010 07:50 AM
Barium	82	1.0		mg/Kg	1	7/20/2010 07:50 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 07:50 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 07:50 AM
Chromium	12	1.0		mg/Kg	1	7/20/2010 07:50 AM
Cobalt	8.8	1.0		mg/Kg	1	7/20/2010 07:50 AM
Copper	20	2.0		mg/Kg	1	7/20/2010 07:50 AM
Lead	63	1.0		mg/Kg	1	7/20/2010 07:50 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 07:50 AM
Nickel	15	1.0		mg/Kg	1	7/20/2010 07:50 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 07:50 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 07:50 AM
Thallium	2.4	1.0		mg/Kg	1	7/20/2010 07:50 AM
Vanadium	80	1.0		mg/Kg	1	7/20/2010 07:50 AM
Zinc	46	1.0		mg/Kg	1	7/20/2010 07:50 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:17 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AW1-RAMP 1
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-084A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 07:52 AM
Arsenic	4.5	1.0		mg/Kg	1	7/20/2010 07:52 AM
Barium	84	1.0		mg/Kg	1	7/20/2010 07:52 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 07:52 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 07:52 AM
Chromium	17	1.0		mg/Kg	1	7/20/2010 07:52 AM
Cobalt	8.6	1.0		mg/Kg	1	7/20/2010 07:52 AM
Copper	19	2.0		mg/Kg	1	7/20/2010 07:52 AM
Lead	9.9	1.0		mg/Kg	1	7/20/2010 07:52 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 07:52 AM
Nickel	18	1.0		mg/Kg	1	7/20/2010 07:52 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 07:52 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 07:52 AM
Thallium	2.0	1.0		mg/Kg	1	7/20/2010 07:52 AM
Vanadium	92	1.0		mg/Kg	1	7/20/2010 07:52 AM
Zinc	43	1.0		mg/Kg	1	7/20/2010 07:52 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:20 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AW1-RAMP 2
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-085A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 07:54 AM
Arsenic	9.0	1.0		mg/Kg	1	7/20/2010 07:54 AM
Barium	110	1.0		mg/Kg	1	7/20/2010 07:54 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 07:54 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 07:54 AM
Chromium	24	1.0		mg/Kg	1	7/20/2010 07:54 AM
Cobalt	12	1.0		mg/Kg	1	7/20/2010 07:54 AM
Copper	30	2.0		mg/Kg	1	7/20/2010 07:54 AM
Lead	28	1.0		mg/Kg	1	7/20/2010 07:54 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 07:54 AM
Nickel	32	1.0		mg/Kg	1	7/20/2010 07:54 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 07:54 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 07:54 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 07:54 AM
Vanadium	39	1.0		mg/Kg	1	7/20/2010 07:54 AM
Zinc	67	1.0		mg/Kg	1	7/20/2010 07:54 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AW1-RAMP 3
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-086A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 07:56 AM
Arsenic	8.6	1.0		mg/Kg	1	7/20/2010 07:56 AM
Barium	95	1.0		mg/Kg	1	7/20/2010 07:56 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 07:56 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 07:56 AM
Chromium	22	1.0		mg/Kg	1	7/20/2010 07:56 AM
Cobalt	8.3	1.0		mg/Kg	1	7/20/2010 07:56 AM
Copper	29	2.0		mg/Kg	1	7/20/2010 07:56 AM
Lead	8.6	1.0		mg/Kg	1	7/20/2010 07:56 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 07:56 AM
Nickel	25	1.0		mg/Kg	1	7/20/2010 07:56 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 07:56 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 07:56 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 07:56 AM
Vanadium	40	1.0		mg/Kg	1	7/20/2010 07:56 AM
Zinc	59	1.0		mg/Kg	1	7/20/2010 07:56 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:24 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AW1-RAMP 4
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-087A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 07:58 AM
Arsenic	8.1	1.0		mg/Kg	1	7/20/2010 07:58 AM
Barium	77	1.0		mg/Kg	1	7/20/2010 07:58 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 07:58 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 07:58 AM
Chromium	24	1.0		mg/Kg	1	7/20/2010 07:58 AM
Cobalt	10	1.0		mg/Kg	1	7/20/2010 07:58 AM
Copper	31	2.0		mg/Kg	1	7/20/2010 07:58 AM
Lead	8.8	1.0		mg/Kg	1	7/20/2010 07:58 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 07:58 AM
Nickel	30	1.0		mg/Kg	1	7/20/2010 07:58 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 07:58 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 07:58 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 07:58 AM
Vanadium	42	1.0		mg/Kg	1	7/20/2010 07:58 AM
Zinc	69	1.0		mg/Kg	1	7/20/2010 07:58 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:26 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AW1-RAMP 6
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-088A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 08:00 AM
Arsenic	11	1.0		mg/Kg	1	7/20/2010 08:00 AM
Barium	150	1.0		mg/Kg	1	7/20/2010 08:00 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 08:00 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 08:00 AM
Chromium	20	1.0		mg/Kg	1	7/20/2010 08:00 AM
Cobalt	8.6	1.0		mg/Kg	1	7/20/2010 08:00 AM
Copper	22	2.0		mg/Kg	1	7/20/2010 08:00 AM
Lead	6.9	1.0		mg/Kg	1	7/20/2010 08:00 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 08:00 AM
Nickel	22	1.0		mg/Kg	1	7/20/2010 08:00 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 08:00 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 08:00 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 08:00 AM
Vanadium	45	1.0		mg/Kg	1	7/20/2010 08:00 AM
Zinc	52	1.0		mg/Kg	1	7/20/2010 08:00 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:28 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AW2-R 0.5
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-104A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 08:01 AM
Arsenic	21	1.0		mg/Kg	1	7/20/2010 08:01 AM
Barium	110	1.0		mg/Kg	1	7/20/2010 08:01 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 08:01 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 08:01 AM
Chromium	25	1.0		mg/Kg	1	7/20/2010 08:01 AM
Cobalt	11	1.0		mg/Kg	1	7/20/2010 08:01 AM
Copper	31	2.0		mg/Kg	1	7/20/2010 08:01 AM
Lead	17	1.0		mg/Kg	1	7/20/2010 08:01 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 08:01 AM
Nickel	29	1.0		mg/Kg	1	7/20/2010 08:01 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 08:01 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 08:01 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 08:01 AM
Vanadium	52	1.0		mg/Kg	1	7/20/2010 08:01 AM
Zinc	76	1.0		mg/Kg	1	7/20/2010 08:01 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:30 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AW2-R 1
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-105A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 08:03 AM
Arsenic	9.1	1.0		mg/Kg	1	7/20/2010 08:03 AM
Barium	90	1.0		mg/Kg	1	7/20/2010 08:03 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 08:03 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 08:03 AM
Chromium	25	1.0		mg/Kg	1	7/20/2010 08:03 AM
Cobalt	10	1.0		mg/Kg	1	7/20/2010 08:03 AM
Copper	29	2.0		mg/Kg	1	7/20/2010 08:03 AM
Lead	16	1.0		mg/Kg	1	7/20/2010 08:03 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 08:03 AM
Nickel	29	1.0		mg/Kg	1	7/20/2010 08:03 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 08:03 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 08:03 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 08:03 AM
Vanadium	47	1.0		mg/Kg	1	7/20/2010 08:03 AM
Zinc	73	1.0		mg/Kg	1	7/20/2010 08:03 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:32 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AY1-R 0.5
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-118A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 08:09 AM
Arsenic	6.8	1.0		mg/Kg	1	7/20/2010 08:09 AM
Barium	150	1.0		mg/Kg	1	7/20/2010 08:09 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 08:09 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 08:09 AM
Chromium	24	1.0		mg/Kg	1	7/20/2010 08:09 AM
Cobalt	7.0	1.0		mg/Kg	1	7/20/2010 08:09 AM
Copper	92	2.0		mg/Kg	1	7/20/2010 08:09 AM
Lead	190	1.0		mg/Kg	1	7/20/2010 08:09 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 08:09 AM
Nickel	31	1.0		mg/Kg	1	7/20/2010 08:09 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 08:09 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 08:09 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 08:09 AM
Vanadium	33	1.0		mg/Kg	1	7/20/2010 08:09 AM
Zinc	170	1.0		mg/Kg	1	7/20/2010 08:09 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:34 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AY1-R 1
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-119A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720B	QC Batch: 65550			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 08:11 AM
Arsenic	2.6	1.0		mg/Kg	1	7/20/2010 08:11 AM
Barium	72	1.0		mg/Kg	1	7/20/2010 08:11 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 08:11 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 08:11 AM
Chromium	14	1.0		mg/Kg	1	7/20/2010 08:11 AM
Cobalt	4.0	1.0		mg/Kg	1	7/20/2010 08:11 AM
Copper	11	2.0		mg/Kg	1	7/20/2010 08:11 AM
Lead	6.9	1.0		mg/Kg	1	7/20/2010 08:11 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 08:11 AM
Nickel	22	1.0		mg/Kg	1	7/20/2010 08:11 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 08:11 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 08:11 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 08:11 AM
Vanadium	19	1.0		mg/Kg	1	7/20/2010 08:11 AM
Zinc	25	1.0		mg/Kg	1	7/20/2010 08:11 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718C	QC Batch: 65537			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:09 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AY1-R 2
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-120A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720C	QC Batch: 65551			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 08:24 AM
Arsenic	4.2	1.0		mg/Kg	1	7/20/2010 08:24 AM
Barium	100	1.0		mg/Kg	1	7/20/2010 08:24 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 08:24 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 08:24 AM
Chromium	16	1.0		mg/Kg	1	7/20/2010 08:24 AM
Cobalt	6.8	1.0		mg/Kg	1	7/20/2010 08:24 AM
Copper	23	2.0		mg/Kg	1	7/20/2010 08:24 AM
Lead	6.1	1.0		mg/Kg	1	7/20/2010 08:24 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 08:24 AM
Nickel	14	1.0		mg/Kg	1	7/20/2010 08:24 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 08:24 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 08:24 AM
Thallium	3.5	1.0		mg/Kg	1	7/20/2010 08:24 AM
Vanadium	85	1.0		mg/Kg	1	7/20/2010 08:24 AM
Zinc	49	1.0		mg/Kg	1	7/20/2010 08:24 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718D	QC Batch: 65538			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:57 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AY1-R 3
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-121A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720C	QC Batch: 65551			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 08:26 AM
Arsenic	6.4	1.0		mg/Kg	1	7/20/2010 08:26 AM
Barium	59	1.0		mg/Kg	1	7/20/2010 08:26 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 08:26 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 08:26 AM
Chromium	18	1.0		mg/Kg	1	7/20/2010 08:26 AM
Cobalt	7.4	1.0		mg/Kg	1	7/20/2010 08:26 AM
Copper	13	2.0		mg/Kg	1	7/20/2010 08:26 AM
Lead	6.0	1.0		mg/Kg	1	7/20/2010 08:26 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 08:26 AM
Nickel	17	1.0		mg/Kg	1	7/20/2010 08:26 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 08:26 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 08:26 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 08:26 AM
Vanadium	38	1.0		mg/Kg	1	7/20/2010 08:26 AM
Zinc	45	1.0		mg/Kg	1	7/20/2010 08:26 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718D	QC Batch: 65538			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 04:59 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AY1-R 4
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-122A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720C	QC Batch: 65551			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 08:28 AM
Arsenic	9.9	1.0		mg/Kg	1	7/20/2010 08:28 AM
Barium	140	1.0		mg/Kg	1	7/20/2010 08:28 AM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 08:28 AM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 08:28 AM
Chromium	26	1.0		mg/Kg	1	7/20/2010 08:28 AM
Cobalt	11	1.0		mg/Kg	1	7/20/2010 08:28 AM
Copper	34	2.0		mg/Kg	1	7/20/2010 08:28 AM
Lead	72	1.0		mg/Kg	1	7/20/2010 08:28 AM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 08:28 AM
Nickel	31	1.0		mg/Kg	1	7/20/2010 08:28 AM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 08:28 AM
Silver	ND	1.0		mg/Kg	1	7/20/2010 08:28 AM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 08:28 AM
Vanadium	46	1.0		mg/Kg	1	7/20/2010 08:28 AM
Zinc	100	1.0		mg/Kg	1	7/20/2010 08:28 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718D	QC Batch: 65538			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/18/2010 05:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *20-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AY1-R 6
Lab Order:	112695	**Collection Date:**	7/12/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112695-123A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720C	QC Batch: 65551			PrepDate:	7/16/2010	Analyst: **JSD**
Antimony	ND	4.0		mg/Kg	2	7/20/2010 08:56 AM
Arsenic	8.9	2.0		mg/Kg	2	7/20/2010 08:56 AM
Barium	150	2.0		mg/Kg	2	7/20/2010 08:56 AM
Beryllium	ND	2.0		mg/Kg	2	7/20/2010 08:56 AM
Cadmium	ND	2.0		mg/Kg	2	7/20/2010 08:56 AM
Chromium	31	2.0		mg/Kg	2	7/20/2010 08:56 AM
Cobalt	14	2.0		mg/Kg	2	7/20/2010 08:56 AM
Copper	39	4.0		mg/Kg	2	7/20/2010 08:56 AM
Lead	9.9	2.0		mg/Kg	2	7/20/2010 08:56 AM
Molybdenum	ND	2.0		mg/Kg	2	7/20/2010 08:56 AM
Nickel	36	2.0		mg/Kg	2	7/20/2010 08:56 AM
Selenium	ND	2.0		mg/Kg	2	7/20/2010 08:56 AM
Silver	ND	2.0		mg/Kg	2	7/20/2010 08:56 AM
Thallium	ND	2.0		mg/Kg	2	7/20/2010 08:56 AM
Vanadium	54	2.0		mg/Kg	2	7/20/2010 08:56 AM
Zinc	85	2.0		mg/Kg	2	7/20/2010 08:56 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100718D	QC Batch: 65538			PrepDate:	7/16/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/18/2010 05:08 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65548** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123357**
Client ID: **PBS** Batch ID: **65548** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.039	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65548** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123357**
Client ID: **LCSS** Batch ID: **65548** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	49.778	2.0	50.00	0	99.6	80	120				
Arsenic	50.320	1.0	50.00	0	101	80	120				
Barium	55.599	1.0	50.00	0	111	80	120				
Beryllium	52.937	1.0	50.00	0	106	80	120				
Cadmium	52.145	1.0	50.00	0	104	80	120				
Chromium	54.616	1.0	50.00	0	109	80	120				
Cobalt	55.493	1.0	50.00	0	111	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65548** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123357**
Client ID: **LCSS** Batch ID: **65548** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	54.514	2.0	50.00	0	109	80	120				
Lead	52.916	1.0	50.00	0	106	80	120				
Molybdenum	53.364	1.0	50.00	0	107	80	120				
Nickel	53.436	1.0	50.00	0.03882	107	80	120				
Selenium	48.145	1.0	50.00	0	96.3	80	120				
Silver	54.823	1.0	50.00	0	110	80	120				
Thallium	46.058	1.0	50.00	0	92.1	80	120				
Vanadium	53.469	1.0	50.00	0	107	80	120				
Zinc	52.047	1.0	50.00	0	104	80	120				

Sample ID: **112695-049A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123357**
Client ID: **AT5-R 3** Batch ID: **65548** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977860**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.546	2.0						0.7789	0	20	
Arsenic	7.568	1.0						10.25	30.1	20	R
Barium	229.937	1.0						109.4	71.0	20	R
Beryllium	0.273	1.0						0.2740	0	20	
Cadmium	0.989	1.0						0.8921	0	20	
Chromium	27.378	1.0						27.93	1.99	20	
Cobalt	14.924	1.0						14.22	4.82	20	
Copper	33.543	2.0						35.39	5.36	20	
Lead	7.761	1.0						9.077	15.6	20	
Molybdenum	0.188	1.0						0.1748	0	20	
Nickel	34.743	1.0						31.11	11.0	20	
Selenium	1.271	1.0						0.8938	34.9	20	R
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	43.459	1.0						43.50	0.0907	20	
Zinc	69.082	1.0						76.30	9.93	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112695-049A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123357**
Client ID: **AT5-R 3** Batch ID: **65548** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	84.081	2.0	125.0	0.7789	66.6	32	105				
Arsenic	103.013	1.0	125.0	10.25	74.2	49	106				
Barium	240.913	1.0	125.0	109.4	105	31	133				
Beryllium	100.455	1.0	125.0	0.2740	80.1	56	106				
Cadmium	91.646	1.0	125.0	0.8921	72.6	51	103				
Chromium	126.594	1.0	125.0	27.93	78.9	45	114				
Cobalt	107.357	1.0	125.0	14.22	74.5	52	106				
Copper	146.384	2.0	125.0	35.39	88.8	54	125				
Lead	102.896	1.0	125.0	9.077	75.1	34	126				
Molybdenum	94.828	1.0	125.0	0.1748	75.7	54	106				
Nickel	124.941	1.0	125.0	31.11	75.1	45	111				
Selenium	91.792	1.0	125.0	0.8938	72.7	47	104				
Silver	107.189	1.0	125.0	0	85.8	56	112				
Thallium	84.422	1.0	125.0	0	67.5	46	101				
Vanadium	145.433	1.0	125.0	43.50	81.5	54	114				
Zinc	156.419	1.0	125.0	76.30	64.1	28	125				

Sample ID: **112695-049A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123357**
Client ID: **AT5-R 3** Batch ID: **65548** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	81.539	2.0	125.0	0.7789	64.6	32	105	84.08	3.07	20	
Arsenic	101.174	1.0	125.0	10.25	72.7	49	106	103.0	1.80	20	
Barium	257.331	1.0	125.0	109.4	118	31	133	240.9	6.59	20	
Beryllium	99.937	1.0	125.0	0.2740	79.7	56	106	100.5	0.517	20	
Cadmium	90.853	1.0	125.0	0.8921	72.0	51	103	91.65	0.869	20	
Chromium	123.881	1.0	125.0	27.93	76.8	45	114	126.6	2.17	20	
Cobalt	106.686	1.0	125.0	14.22	74.0	52	106	107.4	0.627	20	
Copper	143.622	2.0	125.0	35.39	86.6	54	125	146.4	1.91	20	
Lead	100.498	1.0	125.0	9.077	73.1	34	126	102.9	2.36	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112695-049A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123357**
Client ID: **AT5-R 3** Batch ID: **65548** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	93.373	1.0	125.0	0.1748	74.6	54	106	94.83	1.55	20	
Nickel	121.783	1.0	125.0	31.11	72.5	45	111	124.9	2.56	20	
Selenium	91.508	1.0	125.0	0.8938	72.5	47	104	91.79	0.310	20	
Silver	107.404	1.0	125.0	0	85.9	56	112	107.2	0.201	20	
Thallium	82.782	1.0	125.0	0	66.2	46	101	84.42	1.96	20	
Vanadium	144.441	1.0	125.0	43.50	80.8	54	114	145.4	0.685	20	
Zinc	152.416	1.0	125.0	76.30	60.9	28	125	156.4	2.59	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65549** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **PBS** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.011	1.0									
Chromium	ND	1.0									
Cobalt	0.022	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	0.061	1.0									
Nickel	0.055	1.0									
Selenium	ND	1.0									
Silver	0.032	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.213	1.0									

Sample ID: **LCS-65549** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **LCSS** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.686	2.0	50.00	0	97.4	80	120				
Arsenic	49.240	1.0	50.00	0	98.5	80	120				
Barium	53.567	1.0	50.00	0	107	80	120				
Beryllium	50.876	1.0	50.00	0	102	80	120				
Cadmium	49.582	1.0	50.00	0.01062	99.1	80	120				
Chromium	52.091	1.0	50.00	0	104	80	120				
Cobalt	53.173	1.0	50.00	0.02184	106	80	120				
Copper	52.465	2.0	50.00	0	105	80	120				
Lead	51.235	1.0	50.00	0	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65549** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **LCSS** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	51.973	1.0	50.00	0.06133	104	80	120				
Nickel	50.669	1.0	50.00	0.05539	101	80	120				
Selenium	46.299	1.0	50.00	0	92.6	80	120				
Silver	53.330	1.0	50.00	0.03208	107	80	120				
Thallium	44.356	1.0	50.00	0	88.7	80	120				
Vanadium	51.031	1.0	50.00	0	102	80	120				
Zinc	49.449	1.0	50.00	0.2129	98.5	80	120				

Sample ID: **112695-070A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **AU4-R 2** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.501	2.0						0.6475	0	20	
Arsenic	6.988	1.0						7.791	10.9	20	
Barium	133.001	1.0						127.7	4.10	20	
Beryllium	0.253	1.0						0.1583	0	20	
Cadmium	0.941	1.0						0.8471	0	20	
Chromium	29.095	1.0						28.13	3.38	20	
Cobalt	11.674	1.0						11.77	0.796	20	
Copper	32.381	2.0						29.32	9.92	20	
Lead	13.424	1.0						16.57	21.0	20	R
Molybdenum	0.104	1.0						0.1020	0	20	
Nickel	30.722	1.0						29.42	4.33	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	49.727	1.0						49.90	0.353	20	
Zinc	78.009	1.0						74.32	4.85	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112695-070A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **AU4-R 2** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	72.219	2.0	125.0	0.6475	57.3	32	105				
Arsenic	94.901	1.0	125.0	7.791	69.7	49	106				
Barium	223.323	1.0	125.0	127.7	76.5	31	133				
Beryllium	95.461	1.0	125.0	0.1583	76.2	56	106				
Cadmium	85.176	1.0	125.0	0.8471	67.5	51	103				
Chromium	119.446	1.0	125.0	28.13	73.1	45	114				
Cobalt	101.712	1.0	125.0	11.77	72.0	52	106				
Copper	135.419	2.0	125.0	29.32	84.9	54	125				
Lead	120.779	1.0	125.0	16.57	83.4	34	126				
Molybdenum	86.383	1.0	125.0	0.1020	69.0	54	106				
Nickel	117.720	1.0	125.0	29.42	70.6	45	111				
Silver	100.616	1.0	125.0	0	80.5	56	112				
Thallium	77.661	1.0	125.0	0	62.1	46	101				
Vanadium	141.747	1.0	125.0	49.90	73.5	54	114				
Zinc	159.794	1.0	125.0	74.32	68.4	28	125				

Sample ID: **112695-070A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **AU4-R 2** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	80.031	2.0	125.0	0.6475	63.5	32	105	72.22	10.3	20	
Arsenic	98.053	1.0	125.0	7.791	72.2	49	106	94.90	3.27	20	
Barium	219.302	1.0	125.0	127.7	73.3	31	133	223.3	1.82	20	
Beryllium	97.858	1.0	125.0	0.1583	78.2	56	106	95.46	2.48	20	
Cadmium	87.190	1.0	125.0	0.8471	69.1	51	103	85.18	2.34	20	
Chromium	120.279	1.0	125.0	28.13	73.7	45	114	119.4	0.695	20	
Cobalt	102.815	1.0	125.0	11.77	72.8	52	106	101.7	1.08	20	
Copper	132.527	2.0	125.0	29.32	82.6	54	125	135.4	2.16	20	
Lead	103.574	1.0	125.0	16.57	69.6	34	126	120.8	15.3	20	
Molybdenum	90.478	1.0	125.0	0.1020	72.3	54	106	86.38	4.63	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112695-070A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **AU4-R 2** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	117.487	1.0	125.0	29.42	70.5	45	111	117.7	0.198	20	
Silver	101.526	1.0	125.0	0	81.2	56	112	100.6	0.901	20	
Thallium	80.526	1.0	125.0	0	64.4	46	101	77.66	3.62	20	
Vanadium	142.343	1.0	125.0	49.90	74.0	54	114	141.7	0.420	20	
Zinc	150.053	1.0	125.0	74.32	60.6	28	125	159.8	6.29	20	

Sample ID: **112695-070A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **AU4-R 2** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	1.088	1.0						1.088	0	20	

Sample ID: **112695-070A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **AU4-R 2** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	90.823	1.0	125.0	1.088	71.8	47	104				

Sample ID: **112695-070A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123358**
Client ID: **AU4-R 2** Batch ID: **65549** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	93.895	1.0	125.0	1.088	74.2	47	104	90.82	3.33	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65550** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123379**
Client ID: **PBS** Batch ID: **65550** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.037	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65550** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123379**
Client ID: **LCSS** Batch ID: **65550** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.850	2.0	50.00	0	91.7	80	120				
Arsenic	45.897	1.0	50.00	0	91.8	80	120				
Barium	47.706	1.0	50.00	0	95.4	80	120				
Beryllium	46.555	1.0	50.00	0	93.1	80	120				
Cadmium	45.554	1.0	50.00	0	91.1	80	120				
Chromium	46.358	1.0	50.00	0	92.7	80	120				
Cobalt	47.204	1.0	50.00	0	94.4	80	120				
Copper	46.808	2.0	50.00	0	93.6	80	120				
Lead	47.284	1.0	50.00	0	94.6	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65550** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123379**
Client ID: **LCSS** Batch ID: **65550** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	48.481	1.0	50.00	0	97.0	80	120				
Nickel	45.963	1.0	50.00	0.03657	91.9	80	120				
Selenium	44.770	1.0	50.00	0	89.5	80	120				
Silver	46.448	1.0	50.00	0	92.9	80	120				
Thallium	45.283	1.0	50.00	0	90.6	80	120				
Vanadium	45.847	1.0	50.00	0	91.7	80	120				
Zinc	45.707	1.0	50.00	0	91.4	80	120				

Sample ID: **112695-119A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123379**
Client ID: **AY1-R 1** Batch ID: **65550** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978413**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	2.941	1.0						2.632	11.1	20	
Barium	81.225	1.0						72.19	11.8	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.033	1.0						0.01662	0	20	
Chromium	12.558	1.0						13.57	7.73	20	
Cobalt	4.143	1.0						4.003	3.44	20	
Copper	9.837	2.0						11.14	12.5	20	
Lead	5.122	1.0						6.862	29.0	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	19.619	1.0						22.14	12.1	20	
Selenium	ND	1.0						0	0	20	
Silver	0.160	1.0						0.1220	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	16.323	1.0						18.67	13.4	20	
Zinc	23.588	1.0						24.77	4.89	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112695-119A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123379**
Client ID: **AY1-R 1** Batch ID: **65550** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	96.610	2.0	125.0	0	77.3	32	105				
Arsenic	105.853	1.0	125.0	2.632	82.6	49	106				
Barium	189.892	1.0	125.0	72.19	94.2	31	133				
Beryllium	106.909	1.0	125.0	0	85.5	56	106				
Cadmium	98.398	1.0	125.0	0.01662	78.7	51	103				
Chromium	123.900	1.0	125.0	13.57	88.3	45	114				
Cobalt	105.449	1.0	125.0	4.003	81.2	52	106				
Copper	124.973	2.0	125.0	11.14	91.1	54	125				
Lead	109.147	1.0	125.0	6.862	81.8	34	126				
Molybdenum	102.507	1.0	125.0	0	82.0	54	106				
Nickel	129.581	1.0	125.0	22.14	86.0	45	111				
Selenium	101.048	1.0	125.0	0	80.8	47	104				
Silver	109.028	1.0	125.0	0.1220	87.1	56	112				
Thallium	94.663	1.0	125.0	0	75.7	46	101				
Vanadium	130.724	1.0	125.0	18.67	89.6	54	114				
Zinc	132.671	1.0	125.0	24.77	86.3	28	125				

Sample ID: **112695-119A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123379**
Client ID: **AY1-R 1** Batch ID: **65550** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	106.804	2.0	125.0	0	85.4	32	105	96.61	10.0	20	
Arsenic	114.704	1.0	125.0	2.632	89.7	49	106	105.9	8.03	20	
Barium	203.932	1.0	125.0	72.19	105	31	133	189.9	7.13	20	
Beryllium	117.167	1.0	125.0	0	93.7	56	106	106.9	9.16	20	
Cadmium	106.699	1.0	125.0	0.01662	85.3	51	103	98.40	8.09	20	
Chromium	131.593	1.0	125.0	13.57	94.4	45	114	123.9	6.02	20	
Cobalt	113.593	1.0	125.0	4.003	87.7	52	106	105.4	7.44	20	
Copper	133.756	2.0	125.0	11.14	98.1	54	125	125.0	6.79	20	
Lead	119.860	1.0	125.0	6.862	90.4	34	126	109.1	9.36	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112695-119A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123379**
Client ID: **AY1-R 1** Batch ID: **65550** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	111.386	1.0	125.0	0	89.1	54	106	102.5	8.30	20	
Nickel	138.299	1.0	125.0	22.14	92.9	45	111	129.6	6.51	20	
Selenium	110.044	1.0	125.0	0	88.0	47	104	101.0	8.52	20	
Silver	118.452	1.0	125.0	0.1220	94.7	56	112	109.0	8.29	20	
Thallium	102.777	1.0	125.0	0	82.2	46	101	94.66	8.22	20	
Vanadium	139.615	1.0	125.0	18.67	96.8	54	114	130.7	6.58	20	
Zinc	141.799	1.0	125.0	24.77	93.6	28	125	132.7	6.65	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65551**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123390**
Client ID: **PBS**	Batch ID: **65551**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/20/2010**	SeqNo: **1978609**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.031	1.0									
Chromium	ND	1.0									
Cobalt	0.027	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	0.053	1.0									
Nickel	0.069	1.0									
Selenium	ND	1.0									
Silver	0.017	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.338	1.0									

Sample ID: **LCS-65551**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123390**
Client ID: **LCSS**	Batch ID: **65551**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/20/2010**	SeqNo: **1978610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.698	2.0	50.00	0	97.4	80	120				
Arsenic	48.699	1.0	50.00	0	97.4	80	120				
Barium	50.563	1.0	50.00	0	101	80	120				
Beryllium	49.195	1.0	50.00	0	98.4	80	120				
Cadmium	48.631	1.0	50.00	0.03138	97.2	80	120				
Chromium	49.151	1.0	50.00	0	98.3	80	120				
Cobalt	50.374	1.0	50.00	0.02650	101	80	120				
Copper	49.798	2.0	50.00	0	99.6	80	120				
Lead	50.424	1.0	50.00	0	101	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65551** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123390**
Client ID: **LCSS** Batch ID: **65551** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	51.649	1.0	50.00	0.05287	103	80	120				
Nickel	49.138	1.0	50.00	0.06880	98.1	80	120				
Selenium	47.475	1.0	50.00	0	94.9	80	120				
Silver	49.297	1.0	50.00	0.01696	98.6	80	120				
Thallium	47.739	1.0	50.00	0	95.5	80	120				
Vanadium	48.784	1.0	50.00	0	97.6	80	120				
Zinc	49.034	1.0	50.00	0.3381	97.4	80	120				

Sample ID: **112696-006A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123390**
Client ID: **ZZZZZZ** Batch ID: **65551** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	4.0						0	0	20	
Arsenic	4.926	2.0						5.440	9.92	20	
Barium	32.401	2.0						31.08	4.15	20	
Beryllium	ND	2.0						0	0	20	
Cadmium	0.368	2.0						0.3872	0	20	
Chromium	19.124	2.0						18.43	3.70	20	
Cobalt	2.986	2.0						2.751	8.18	20	
Copper	5.215	4.0						5.083	2.56	20	
Lead	4.110	2.0						4.375	6.25	20	
Molybdenum	ND	2.0						0	0	20	
Nickel	8.641	2.0						8.213	5.08	20	
Selenium	ND	2.0						0	0	20	
Silver	ND	2.0						0.05835	0	20	
Thallium	0.554	2.0						0.5097	0	20	
Vanadium	25.418	2.0						24.55	3.46	20	
Zinc	42.628	2.0						40.91	4.11	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112696-006A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123390**
Client ID: **ZZZZZZ** Batch ID: **65551** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978621**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	101.488	4.0	125.0	0	81.2	32	105	98.22	3.28	20	
Arsenic	116.728	2.0	125.0	5.440	89.0	49	106	114.1	2.28	20	
Barium	142.694	2.0	125.0	31.08	89.3	31	133	145.0	1.62	20	
Beryllium	115.541	2.0	125.0	0	92.4	56	106	114.3	1.12	20	
Cadmium	107.316	2.0	125.0	0.3872	85.5	51	103	105.6	1.66	20	
Chromium	131.507	2.0	125.0	18.43	90.5	45	114	129.3	1.67	20	
Cobalt	110.777	2.0	125.0	2.751	86.4	52	106	109.2	1.43	20	
Copper	116.635	4.0	125.0	5.083	89.2	54	125	116.4	0.188	20	
Lead	113.663	2.0	125.0	4.375	87.4	34	126	114.4	0.632	20	
Molybdenum	108.415	2.0	125.0	0	86.7	54	106	106.7	1.58	20	
Nickel	117.291	2.0	125.0	8.213	87.3	45	111	114.8	2.17	20	
Selenium	109.487	2.0	125.0	0	87.6	47	104	108.3	1.12	20	
Silver	114.882	2.0	125.0	0.05835	91.9	56	112	114.1	0.658	20	
Thallium	106.919	2.0	125.0	0.5097	85.1	46	101	106.3	0.596	20	
Vanadium	138.049	2.0	125.0	24.55	90.8	54	114	135.8	1.62	20	
Zinc	147.430	2.0	125.0	40.91	85.2	28	125	142.7	3.23	20	

Sample ID: **112696-006A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123390**
Client ID: **ZZZZZZ** Batch ID: **65551** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978623**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	98.215	4.0	125.0	0	78.6	32	105				
Arsenic	114.102	2.0	125.0	5.440	86.9	49	106				
Barium	145.022	2.0	125.0	31.08	91.2	31	133				
Beryllium	114.252	2.0	125.0	0	91.4	56	106				
Cadmium	105.553	2.0	125.0	0.3872	84.1	51	103				
Chromium	129.329	2.0	125.0	18.43	88.7	45	114				
Cobalt	109.209	2.0	125.0	2.751	85.2	52	106				
Copper	116.416	4.0	125.0	5.083	89.1	54	125				
Lead	114.383	2.0	125.0	4.375	88.0	34	126				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112696-006A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123390**
Client ID: **ZZZZZZ** Batch ID: **65551** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1978623**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	106.711	2.0	125.0	0	85.4	54	106				
Nickel	114.767	2.0	125.0	8.213	85.2	45	111				
Selenium	108.264	2.0	125.0	0	86.6	47	104				
Silver	114.129	2.0	125.0	0.05835	91.3	56	112				
Thallium	106.284	2.0	125.0	0.5097	84.6	46	101				
Vanadium	135.837	2.0	125.0	24.55	89.0	54	114				
Zinc	142.740	2.0	125.0	40.91	81.5	28	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65622** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123340**
Client ID: **PBS** Batch ID: **65622** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.036	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65622** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123340**
Client ID: **LCSS** Batch ID: **65622** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.253	2.0	50.00	0	86.5	80	120				
Arsenic	43.403	1.0	50.00	0	86.8	80	120				
Barium	48.201	1.0	50.00	0	96.4	80	120				
Beryllium	45.483	1.0	50.00	0	91.0	80	120				
Cadmium	45.176	1.0	50.00	0	90.4	80	120				
Chromium	47.681	1.0	50.00	0	95.4	80	120				
Cobalt	47.977	1.0	50.00	0	96.0	80	120				
Copper	47.296	2.0	50.00	0	94.6	80	120				
Lead	46.080	1.0	50.00	0	92.2	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65622** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123340**
Client ID: **LCSS** Batch ID: **65622** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	46.903	1.0	50.00	0	93.8	80	120				
Nickel	46.124	1.0	50.00	0.03613	92.2	80	120				
Selenium	41.898	1.0	50.00	0	83.8	80	120				
Silver	46.604	1.0	50.00	0	93.2	80	120				
Thallium	40.169	1.0	50.00	0	80.3	80	120				
Vanadium	46.273	1.0	50.00	0	92.5	80	120				
Zinc	45.182	1.0	50.00	0	90.4	80	120				

Sample ID: **112695-050A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123340**
Client ID: **AT5-R 4** Batch ID: **65622** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.381	2.0						0.3799	0	20	
Arsenic	6.658	1.0						7.710	14.6	20	
Barium	131.882	1.0						137.7	4.35	20	
Beryllium	0.283	1.0						0.3342	0	20	
Cadmium	0.771	1.0						0.8334	0	20	
Calcium	16125.999	10						21490	28.5	20	R
Chromium	25.439	1.0						25.83	1.54	20	
Cobalt	10.654	1.0						11.36	6.39	20	
Copper	32.371	2.0						34.94	7.62	20	
Iron	14451.033	10						15100	4.36	20	
Lead	8.602	1.0						8.725	1.41	20	
Magnesium	8207.647	10						8889	7.97	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	29.249	1.0						30.41	3.89	20	
Selenium	0.619	1.0						0.6935	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	39.470	1.0						41.69	5.47	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112695-050A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123340**
Client ID: **AT5-R 4** Batch ID: **65622** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	65.228	1.0						69.02	5.65	20	

Sample ID: **112695-050A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123340**
Client ID: **AT5-R 4** Batch ID: **65622** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.879	2.0	125.0	0.3799	38.8	32	105				
Arsenic	96.827	1.0	125.0	7.710	71.3	49	106				
Barium	239.266	1.0	125.0	137.7	81.2	31	133				
Beryllium	93.919	1.0	125.0	0.3342	74.9	56	106				
Cadmium	85.899	1.0	125.0	0.8334	68.1	51	103				
Calcium	22331.936	10	1000	21490	84.2	22	149				
Chromium	119.201	1.0	125.0	25.83	74.7	45	114				
Cobalt	99.894	1.0	125.0	11.36	70.8	52	106				
Copper	141.043	2.0	125.0	34.94	84.9	54	125				
Iron	15077.470	10	1000	15100	-1.77	20	166				S
Lead	95.465	1.0	125.0	8.725	69.4	34	126				
Magnesium	9559.214	10	1000	8889	67.1	12	160				
Molybdenum	83.896	1.0	125.0	0	67.1	54	106				
Nickel	117.384	1.0	125.0	30.41	69.6	45	111				
Selenium	88.384	1.0	125.0	0.6935	70.2	47	104				
Silver	100.595	1.0	125.0	0	80.5	56	112				
Thallium	77.769	1.0	125.0	0	62.2	46	101				
Vanadium	141.764	1.0	125.0	41.69	80.1	54	114				
Zinc	151.047	1.0	125.0	69.02	65.6	28	125				

Sample ID: **112695-050A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123340**
Client ID: **AT5-R 4** Batch ID: **65622** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112695-050A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123340**
Client ID: **AT5-R 4** Batch ID: **65622** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/19/2010** SeqNo: **1977518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.640	2.0	125.0	0.3799	38.6	32	105	48.88	0.490	20	
Arsenic	95.182	1.0	125.0	7.710	70.0	49	106	96.83	1.71	20	
Barium	231.816	1.0	125.0	137.7	75.3	31	133	239.3	3.16	20	
Beryllium	91.312	1.0	125.0	0.3342	72.8	56	106	93.92	2.81	20	
Cadmium	82.918	1.0	125.0	0.8334	65.7	51	103	85.90	3.53	20	
Calcium	21815.461	10	1000	21490	32.5	22	149	22330	2.34	20	
Chromium	116.851	1.0	125.0	25.83	72.8	45	114	119.2	1.99	20	
Cobalt	97.020	1.0	125.0	11.36	68.5	52	106	99.89	2.92	20	
Copper	139.803	2.0	125.0	34.94	83.9	54	125	141.0	0.883	20	
Iron	15111.678	10	1000	15100	1.66	20	166	15080	0.227	20	S
Lead	93.662	1.0	125.0	8.725	68.0	34	126	95.47	1.91	20	
Magnesium	9966.253	10	1000	8889	108	12	160	9559	4.17	20	
Molybdenum	82.205	1.0	125.0	0	65.8	54	106	83.90	2.04	20	
Nickel	113.283	1.0	125.0	30.41	66.3	45	111	117.4	3.56	20	
Selenium	85.741	1.0	125.0	0.6935	68.0	47	104	88.38	3.04	20	
Silver	97.184	1.0	125.0	0	77.7	56	112	100.6	3.45	20	
Thallium	76.321	1.0	125.0	0	61.1	46	101	77.77	1.88	20	
Vanadium	140.270	1.0	125.0	41.69	78.9	54	114	141.8	1.06	20	
Zinc	151.522	1.0	125.0	69.02	66.0	28	125	151.0	0.314	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65560A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123300**
Client ID: **PBS**	Batch ID: **65560**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.145	5.0									

Sample ID: **LCS-65560**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123300**
Client ID: **LCSS**	Batch ID: **65560**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976842**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280.903	5.0	250.0	0.1447	112	80	120				

Sample ID: **112695-010A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123300**
Client ID: **AR2-R 4**	Batch ID: **65560**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.571	5.0						10.10	42.4	20	R

Sample ID: **112695-010A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123300**
Client ID: **AR2-R 4**	Batch ID: **65560**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	222.010	5.0	250.0	10.10	84.8	34	126				

Sample ID: **MB-65560B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123300**
Client ID: **PBS**	Batch ID: **65560**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.317	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112695-020A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123300**
Client ID: **AS2-R 4**	Batch ID: **65560**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976866**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.417	5.0						7.566	1.99	20	

Sample ID: **112695-020A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123300**
Client ID: **AS2-R 4**	Batch ID: **65560**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	203.678	5.0	250.0	7.566	78.4	34	126				

Sample ID: **112695-020A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123300**
Client ID: **AS2-R 4**	Batch ID: **65560**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.483	5.0	250.0	7.566	79.6	34	126	203.7	1.37	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65561A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123301**
Client ID: **PBS** Batch ID: **65561** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.209	5.0									

Sample ID: **LCS-65561** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123301**
Client ID: **LCSS** Batch ID: **65561** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976870**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.743	5.0	250.0	0.2092	113	80	120				

Sample ID: **112695-037A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123301**
Client ID: **AT3-R 1** Batch ID: **65561** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.626	5.0						36.42	34.5	20	R

Sample ID: **112695-037A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123301**
Client ID: **AT3-R 1** Batch ID: **65561** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.018	5.0	250.0	36.42	73.4	34	126				

Sample ID: **MB-65561B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123301**
Client ID: **PBS** Batch ID: **65561** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.246	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112695-057A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123301**
Client ID: **AU2-R 0.5**	Batch ID: **65561**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	63.067	5.0						54.62	14.4	20	

Sample ID: **112695-057A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123301**
Client ID: **AU2-R 0.5**	Batch ID: **65561**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	244.440	5.0	250.0	54.62	75.9	34	126				

Sample ID: **112695-057A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123301**
Client ID: **AU2-R 0.5**	Batch ID: **65561**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	269.232	5.0	250.0	54.62	85.8	34	126	244.4	9.65	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65562A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123303**
Client ID: **PBS** Batch ID: **65562** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.327	5.0									

Sample ID: **LCS-65562** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123303**
Client ID: **LCSS** Batch ID: **65562** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	283.931	5.0	250.0	0.3267	113	80	120				

Sample ID: **112695-067A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123303**
Client ID: **AU3-R 6** Batch ID: **65562** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.742	5.0						9.247	52.0	20	R

Sample ID: **112695-067A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123303**
Client ID: **AU3-R 6** Batch ID: **65562** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.722	5.0	250.0	9.247	79.0	34	126				

Sample ID: **MB-65562B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123303**
Client ID: **PBS** Batch ID: **65562** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.631	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112695-080A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123303**
Client ID: **AV2-R 3**	Batch ID: **65562**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.381	5.0						11.90	18.9	20	

Sample ID: **112695-080A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123303**
Client ID: **AV2-R 3**	Batch ID: **65562**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.354	5.0	250.0	11.90	79.0	34	126				

Sample ID: **112695-080A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123303**
Client ID: **AV2-R 3**	Batch ID: **65562**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976929**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.911	5.0	250.0	11.90	82.0	34	126	209.4	3.55	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65563A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123306**
Client ID: **PBS**	Batch ID: **65563**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.419	5.0									

Sample ID: **LCS-65563**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123306**
Client ID: **LCSS**	Batch ID: **65563**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	273.536	5.0	250.0	0.4186	109	80	120				

Sample ID: **112695-096A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123306**
Client ID: **AW3-RAMP 1**	Batch ID: **65563**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.380	5.0						9.239	29.1	20	R

Sample ID: **112695-096A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123306**
Client ID: **AW3-RAMP 1**	Batch ID: **65563**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.814	5.0	250.0	9.239	80.2	34	126				

Sample ID: **MB-65563B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123306**
Client ID: **PBS**	Batch ID: **65563**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.336	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112695-108A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123306**
Client ID: **AX1-R 2** Batch ID: **65563** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.677	5.0						48.04	44.1	20	R

Sample ID: **112695-108A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123306**
Client ID: **AX1-R 2** Batch ID: **65563** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976979**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	243.704	5.0	250.0	48.04	78.3	34	126				

Sample ID: **112695-108A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123306**
Client ID: **AX1-R 2** Batch ID: **65563** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1976980**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240.333	5.0	250.0	48.04	76.9	34	126	243.7	1.39	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65564A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123307**
Client ID: **PBS**	Batch ID: **65564**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976981**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.395	5.0									

Sample ID: **LCS-65564**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123307**
Client ID: **LCSS**	Batch ID: **65564**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976982**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	267.520	5.0	250.0	0.3950	107	80	120				

Sample ID: **112695-124A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123307**
Client ID: **AY2-R 0.5**	Batch ID: **65564**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	87.844	5.0						99.56	12.5	20	

Sample ID: **112695-124A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123307**
Client ID: **AY2-R 0.5**	Batch ID: **65564**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	278.103	5.0	250.0	99.56	71.4	34	126				

Sample ID: **MB-65564B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123307**
Client ID: **PBS**	Batch ID: **65564**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1976995**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.247	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112695-132A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123307**
Client ID: **AY3-R 2**	Batch ID: **65564**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1977004**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.984	5.0						10.78	7.66	20	

Sample ID: **112695-132A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/16/2010**	RunNo: **123307**
Client ID: **AY3-R 2**	Batch ID: **65564**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/19/2010**	SeqNo: **1977005**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.911	5.0	250.0	10.78	78.5	34	126				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65621** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123331**
Client ID: **PBS** Batch ID: **65621** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1977363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.132	5.0									

Sample ID: **LCS-65621** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123331**
Client ID: **LCSS** Batch ID: **65621** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1977364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270.687	5.0	250.0	0.1320	108	80	120				

Sample ID: **112695-100A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123331**
Client ID: **AW1-R 0.5** Batch ID: **65621** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1977366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	71.095	5.0						132.0	60.0	20	R

Sample ID: **112695-100A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123331**
Client ID: **AW1-R 0.5** Batch ID: **65621** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1977367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270.455	5.0	250.0	132.0	55.4	34	126				

Sample ID: **112695-100A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123331**
Client ID: **AW1-R 0.5** Batch ID: **65621** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/19/2010** SeqNo: **1977368**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	307.755	5.0	250.0	132.0	70.3	34	126	270.5	12.9	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112695-100A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123293**
Client ID: **AW1-R 0.5** Batch ID: **65634** TestNo: **EPA 7196A** Analysis Date: **7/19/2010** SeqNo: **1976756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **LCS-65634** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123293**
Client ID: **LCSS** Batch ID: **65634** TestNo: **EPA 7196A** Analysis Date: **7/19/2010** SeqNo: **1976757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.820	0.10	5.000	0	96.4	85	115				

Sample ID: **MB-65634** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123293**
Client ID: **PBS** Batch ID: **65634** TestNo: **EPA 7196A** Analysis Date: **7/19/2010** SeqNo: **1976758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Sample ID: **MB-65634MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123293**
Client ID: **ZZZZZZ** Batch ID: **65634** TestNo: **EPA 7196A** Analysis Date: **7/19/2010** SeqNo: **1976759**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.920	0.10	5.000	0	98.4	85	115				

Sample ID: **MB-65634MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123293**
Client ID: **ZZZZZZ** Batch ID: **65634** TestNo: **EPA 7196A** Analysis Date: **7/19/2010** SeqNo: **1976760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.970	0.10	5.000	0	99.4	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112670-003A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123293**
Client ID: **ZZZZZZ** Batch ID: **65634** TestNo: **EPA 7196A** Analysis Date: **7/19/2010** SeqNo: **1976762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	3.600	0.50	5.000	0	72.0	85	115				S

Sample ID: **112670-003A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123293**
Client ID: **ZZZZZZ** Batch ID: **65634** TestNo: **EPA 7196A** Analysis Date: **7/19/2010** SeqNo: **1976763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	3.550	0.50	5.000	0	71.0	85	115	3.600	1.40	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65535** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123253**
Client ID: **PBS** Batch ID: **65535** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1975864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65535** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123253**
Client ID: **LCSS** Batch ID: **65535** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1975865**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.932	0.10	0.8300	0	112	80	120				

Sample ID: **112695-049A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123253**
Client ID: **AT5-R 3** Batch ID: **65535** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1975866**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.026	0.10	0.8300	0.1260	108	70	130				

Sample ID: **112695-049A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123253**
Client ID: **AT5-R 3** Batch ID: **65535** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1975867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.024	0.10	0.8300	0.1260	108	70	130	1.026	0.185	20	

Sample ID: **112695-049A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123253**
Client ID: **AT5-R 3** Batch ID: **65535** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1975869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.124	0.10						0.1260	1.71	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65536** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123257**
Client ID: **PBS** Batch ID: **65536** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65536** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123257**
Client ID: **LCSS** Batch ID: **65536** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.909	0.10	0.8300	0	109	80	120				

Sample ID: **112695-070A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123257**
Client ID: **AU4-R 2** Batch ID: **65536** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.993	0.10	0.8300	0.08140	110	70	130				

Sample ID: **112695-070A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123257**
Client ID: **AU4-R 2** Batch ID: **65536** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.988	0.10	0.8300	0.08140	109	70	130	0.9928	0.482	20	

Sample ID: **112695-070A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123257**
Client ID: **AU4-R 2** Batch ID: **65536** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976063**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.082	0.10						0.08140	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65537** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123258**
Client ID: **PBS** Batch ID: **65537** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976073**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65537** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123258**
Client ID: **LCSS** Batch ID: **65537** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976074**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.977	0.10	0.8300	0	118	80	120				

Sample ID: **112695-119A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123258**
Client ID: **AY1-R 1** Batch ID: **65537** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976075**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.897	0.10	0.8300	0.03746	104	70	130				

Sample ID: **112695-119A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123258**
Client ID: **AY1-R 1** Batch ID: **65537** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976076**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.897	0.10	0.8300	0.03746	104	70	130	0.8970	0.0277	20	

Sample ID: **112695-119A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123258**
Client ID: **AY1-R 1** Batch ID: **65537** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976078**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.034	0.10						0.03746	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112695
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65538** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123259**
Client ID: **PBS** Batch ID: **65538** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976088**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65538** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123259**
Client ID: **LCSS** Batch ID: **65538** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.801	0.10	0.8300	0	96.5	80	120				

Sample ID: **112712-015A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123259**
Client ID: **ZZZZZZ** Batch ID: **65538** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.908	0.10	0.8300	0.1568	90.5	70	130				

Sample ID: **112712-015A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123259**
Client ID: **ZZZZZZ** Batch ID: **65538** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.912	0.10	0.8300	0.1568	91.0	70	130	0.9082	0.420	20	

Sample ID: **112712-015A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/16/2010** RunNo: **123259**
Client ID: **ZZZZZZ** Batch ID: **65538** TestNo: **EPA 7471A** Analysis Date: **7/18/2010** SeqNo: **1976093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.186	0.10						0.1568	17.0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65623** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123292**
Client ID: **PBS** Batch ID: **65623** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1976744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65623** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123292**
Client ID: **LCSS** Batch ID: **65623** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1976745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.855	0.10	0.8300	0	103	80	120				

Sample ID: **112695-026A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123292**
Client ID: **AT1-R 0.5** Batch ID: **65623** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1976746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.919	0.10	0.8300	0	111	70	130				

Sample ID: **112695-026A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123292**
Client ID: **AT1-R 0.5** Batch ID: **65623** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1976747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.918	0.10	0.8300	0	111	70	130	0.9187	0.0864	20	

Sample ID: **112695-026A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123292**
Client ID: **AT1-R 0.5** Batch ID: **65623** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1976749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112685-018ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123366**
Client ID: **ZZZZZZ** Batch ID: **R123366** TestNo: **EPA 9045C** Analysis Date: **7/19/2010** SeqNo: **1978054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.410	0.10						8.480	0.829	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112695-132ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123368**
Client ID: **AY3-R 2** Batch ID: **R123368** TestNo: **EPA 9045C** Analysis Date: **7/19/2010** SeqNo: **1978083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.310	0.10						8.230	0.967	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/13/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt (11.8)

1. CHILLED	Y	N	4. SEALED	Y	(N)
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	(Y)	N
3. CONTAINER INTACT	(Y)	N	6. PRESERVED	Y	(N)

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature) 7/12/10

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/12/10 Time:
Received by: (Signature and Printed Name) Mary [illegible] Date: 7/13/10 Time: 1005
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Lauren Vigliotti 7/12/10 (Print Name, Date)
Lauren Vigliotti (Signature)

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Day~~
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
10% randomly select for pH analysis
RETURN ALL GEOCON COOLERS

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type	TD
	~~AQ1-R (0.5, 1, 2, 3, 4, 6)~~																							
112695-1/5	AR1-R (0.5, 1, 2, 3, 4, 6)	7/12/10	0610				X			X					X									
6/10	AR2-R (0.5, 1, 2, 3, 4, 6)		0630				X								X						E	5	T	P	4.25'
11/15	AS1-R (0.5, 1, 2, 3, 4, 6)		0650				X								X							5			" "
16/21	AS2-R (0.5, 1, 2, 3, 4, 6)		0700				X								X							5			5'
22/25	AS3-R (0.5, 1, 2, 3, 4, 6)		0745				X								X							6			6'
26/31	AT1-R (0.5, 1, 2, 3, 4, 6)		0750							X					X							4			3'
	AT1-R (0.5)		0750								X				X							6			6

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: E - Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature) Lauren Vigliotti

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/12/10 Time:
Received by: (Signature and Printed Name) MTRL Date: 7/12/10 Time: 1005

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: Lauren Vigliotti 7/12/10
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See page 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		TP
M2695-32/33	AT2-R (0.5, 1, 2, 3)	12 July 10	VAR				X								X							E	4	Bg	P	3
-36/39	AT3-R (0.5, 1, 2, 3)	12 July 10	VAR				X								X							E	4	Bg	P	3
-40/45	AT4-R (0.5, 1, 2, 3, 4, 6)		1035				X								X									1		6
-46/45	AT5-R (0.5, 1, 2, 3, 4, 6)		1045							X					X											6
-52/54	AU1-R (0.5, 1, 2, 3, 4, [redacted])		0840							X					X									T	P	4
-57/61	AU2-R (0.5, 1, 2, 3, 4, [redacted])		0850				X								X									T	P	4
-62/67	AU3-R (0.5, 1, 2, 3, 4, 6)		0900				X								X									T	P	6
-68/70	AU4-R (0.5, 1, 2, [redacted])	12 July 10	VAR							X					X							E	3	T	P	C	2

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: E-Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client ATL
FedEx OnTrac
GSO
Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature) 7/12/10

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/12/10 Time: Received by: (Signature and Printed Name) Mary Date: 7/13/10 Time: 1005

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Lauren Vigliotti 7/12/10
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
See page 1

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type			TD
(12695-71/76)	AV1-R (0.5, 1, 2, 3, 4, 6)	7/12/10	0920				X								X							E	6	T	P		6
-77/~~84~~	AV2-R (0.5, 1, 2, 3, 4, 6, [redacted])		0930				X								X									T	P		8
-83/88	AW1-RAMP (0.5, 1, 2, 3, 4, 6)		0950							X					X									T	P		
-89/94	AW2-RAMP (0.5, 1, 2, 3, 4, 6)		1000				X								X									T	P		
-95/99	AW3-RAMP (0.5, 1, 2, 3, 4, [redacted])	12 July 10	VAR				X								X							E	5	B	P		4
-100/103	AW1-R (0.5, 1, 2, 3, [redacted])		VAR				X								X								8	B	P		3
	AW1-R (0.5)		1157								X				X								1	T	P		3.5
-104/105	AW2-R (0.5, 1, [redacted])		VAR							X					X								2	T	P		1

- TAT starts 8AM the following day if samples received after 5 PM

TAT: E-Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: _____ (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: 7/13/10 Time: 1005

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: _____
Print Name _____ Date _____
Signature _____

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See pg. 1

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		TC
112695-100/111	AX1-R (0.5, 1, 2, 3, 4, 6)	12 July 10	VAR				X								X							E	6	T	P	6
-112/117	AX2-R (0.5, 1, 2, 3, 4, 6)		1150				X								X											6
-118/123	AY1-R (0.5, 1, 2, 3, 4, 6)		1215						X						X											6
-124/129	AY2-R (0.5, 1, 2, 3, 4, 6)		1230				X								X											6
-130/135	AY3-R (0.5, 1, 2, ~~3, 4, 6~~)	12 July 10	VAR				X								X							E	3	Bu	P	2
	~~AZ1-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X											
	~~AZ2-RW3 (0.5, 1, 2, 3, 4, 6,15)~~						X								X											
	~~AZ2-RW3 (15)~~										X				X		X									
	~~AZ2-RW3 (15)~~							X							X		X									

- TAT starts 8AM the following day if samples received after 5 PM

TAT: E- Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

July 27, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112695

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 13, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112695

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112695-063A, 112695-065A and 112695-089A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/27/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-001A	AR1-R 0.5	2.5	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-022A	AS3-R 0.5	2.5	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-032A	AT2-R 0.5	5.4	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-036A	AT3-R 0.5	4.0	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-057A	AU2-R 0.5	0.61	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-058A	AU2-R 1	3.2	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-062A	AU3-R 0.5	7.8	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-063A	AU3-R 1	14	mg/L	65739	0.50	2	7/12/2010	7/26/2010
112695-064A	AU3-R 2	2.3	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-065A	AU3-R 3	11	mg/L	65739	0.50	2	7/12/2010	7/26/2010
112695-066A	AU3-R 4	2.6	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-068A	AU4-R 0.5	2.9	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-079A	AV2-R 2	7.5	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-081A	AV2-R 4	0.52	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-082A	AV2-R 6	3.0	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-083A	AW1-RAMP 0.5	5.1	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-089A	AW2-RAMP 0.5	10	mg/L	65739	0.50	2	7/12/2010	7/26/2010
112695-100A	AW1-R 0.5	4.5	mg/L	65739	0.25	1	7/12/2010	7/26/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Date: 7/27/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112695
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/13/2010 10:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112695-118A	AY1-R 0.5	1.9	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-122A	AY1-R 4	3.3	mg/L	65739	0.25	1	7/12/2010	7/26/2010
112695-124A	AY2-R 0.5	8.3	mg/L	65851	0.25	1	7/12/2010	7/26/2010
112695-130A	AY3-R 0.5	2.7	mg/L	65851	0.25	1	7/12/2010	7/26/2010
112695-131A	AY3-R 1	3.6	mg/L	65851	0.25	1	7/12/2010	7/26/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65739A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123638**
Client ID: **PBS** Batch ID: **65739** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984423**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65739** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123638**
Client ID: **LCSS** Batch ID: **65739** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984424**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.063	0.25	5.000	0	101	80	120				

Sample ID: **112695-065A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123638**
Client ID: **AU3-R 3** Batch ID: **65739** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.279	0.50						11.25	0.236	20	

Sample ID: **112695-065A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123638**
Client ID: **AU3-R 3** Batch ID: **65739** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.465	0.50	5.000	11.25	104	80	120				

Sample ID: **MB-65739B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123638**
Client ID: **PBS** Batch ID: **65739** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112695-122A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123638**
Client ID: **AY1-R 4** Batch ID: **65739** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.368	0.25						3.330	1.15	20	

Sample ID: **112695-122A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123638**
Client ID: **AY1-R 4** Batch ID: **65739** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.386	0.25	5.000	3.330	101	80	120				

Sample ID: **112695-122A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123638**
Client ID: **AY1-R 4** Batch ID: **65739** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.438	0.25	5.000	3.330	102	80	120	8.386	0.616	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112695
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65851A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123639**
Client ID: **PBS** Batch ID: **65851** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984457**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65851** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123639**
Client ID: **LCSS** Batch ID: **65851** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.165	0.25	5.000	0	103	80	120				

Sample ID: **112695-131A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123639**
Client ID: **AY3-R 1** Batch ID: **65851** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.588	0.25						3.605	0.480	20	

Sample ID: **112695-131A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123639**
Client ID: **AY3-R 1** Batch ID: **65851** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.704	0.25	5.000	3.605	102	80	120				

Sample ID: **112695-131A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/24/2010** RunNo: **123639**
Client ID: **AY3-R 1** Batch ID: **65851** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/26/2010** SeqNo: **1984464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.795	0.25	5.000	3.605	104	80	120	8.704	1.04	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Diane Galvan

From: Livermore Office (Rick Day) [day@geoconinc.com]
Sent: Friday, July 16, 2010 4:40 PM
To: Diane Galvan
Cc: Lauren Vigliotti; David Watts
Subject: RE: Results/EDD - Alameda County Eastbound I-580 Truck Climbing Lane Project (112631)

Hi Diane –

For the Eastbound I-580 Truck Climbing Lane project (Geocon project no. E8435-06-47), please run WET lead on all sample with total lead > 50 mg/kg.

This applies to ATL Nos. 112595, 112611, 112631, and future work orders.

Thanks,
Rick.

July 22, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112713

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 14, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112713

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 112713-055AMS; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112713-010ADUP, 112713-061ADUP, 112713-078AMSD, 112713-089ADUP, 112713-094ADUP, 112713-114ADUP and 112713-117ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 8015 (DRO/ORO)

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for sample 112685-018AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 8015/8021

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 112760-001AMS; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for sample 112760-001AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-001A	AZ1-RW3 0.5	ND	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-002A	AZ1-RW3 1	5.1	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-003A	AZ1-RW3 2	ND	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-004A	AZ2-RW3 0.5	260	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-005A	AZ2-RW3 1	110	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-006A	AZ2-RW3 2	10	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-007A	AZ2-RW3 3	7.9	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-008A	AZ2-RW3 4	16	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-009A	AZ2-RW3 6	7.4	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-010A	AZ2-RW3 15	10	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-011A	BA1-RW3 0.5	14	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-012A	BA1-RW3 1	81	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-013A	BA1-RW3 2	16	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-014A	BA1-RW3 3	14	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-015A	BA1-RW3 4	13	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-016A	BA1-RW3 6	10	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-017A	BA2-RW3 0.5	60	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-018A	BA2-RW3 1	12	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-019A	BA2-RW3 2	8.1	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-020A	BA2-RW3 3	9.8	mg/Kg	65596	5.0	1	7/13/2010	7/20/2010
112713-021A	BA2-RW3 4	12	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-022A	BA2-RW3 6	12	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-023A	BA2-RW3 8	11	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-029A	BB2-RW3 0.5	28	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-030A	BB2-RW3 1	11	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-031A	BC1-RW3 0.5	110	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-032A	BC1-RW3 1	100	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-033A	BC1-RW3 2	5.0	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-034A	BC1-RW3 3	9.7	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-035A	BC1-RW3 4	12	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-036A	BC1-RW3 6	35	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-037A	BC2-RW3 0.5	31	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-038A	BC2-RW3 1	19	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-039A	BC2-RW3 2	20	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-040A	BC3-RW3 0.5	240	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-041A	BC3-RW3 1	14	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-042A	BD1-RW3 0.5	240	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-043A	BD1-RW3 1	200	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-044A	BD1-RW3 2	12	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-045A	BD1-RW3 3	10	mg/Kg	65597	5.0	1	7/13/2010	7/20/2010
112713-046A	BD1-RW3 4	ND	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-047A	BD1-RW3 6	9.9	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-048A	BD2-RW3 0.5	32	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-049A	BD2-RW3 1	34	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-050A	BD2-RW3 2	10	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-051A	BD2-RW3 3	11	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-052A	BD2-RW3 4	13	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-053A	BE1-RW3 0.5	12	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-054A	BE1-RW3 1	9.1	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-055A	BE1-RW3 2	54	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-056A	BE1-RW3 3	52	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-063A	BE3-RW3 0.5	16	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-064A	BE3-RW3 1	220	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-065A	BF1-RW3 0.5	17	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-066A	BF1-RW3 1	30	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-067A	BF1-RW3 2	17	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-068A	BF1-RW3 3	180	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-069A	BF1-RW3 4	13	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-070A	BF1-RW3 6	7.6	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-078A	BG1-RW3 0.5	10	mg/Kg	65598	5.0	1	7/13/2010	7/20/2010
112713-079A	BG1-RW3 1	32	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-080A	BG1-RW3 2	8.2	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-081A	BG1-RW3 3	8.7	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-082A	BG1-RW3 4	8.2	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-083A	BG1-RW3 6	11	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-084A	BG3-RW3 0.5	160	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-085A	BG3-RW3 1	14	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-086A	BG3-RW3 2	9.4	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-087A	BG3-RW3 3	12	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-094A	BH2-R 0.5	170	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-095A	BH2-R 1	9.3	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-096A	BH2-R 2	12	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-097A	BH2-R 3	11	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-098A	BH2-R 4	10	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-099A	BH2-R 6	8.3	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-100A	BI1-R 0.5	18	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-101A	BI1-R 1	11	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-102A	BI1-R 2	36	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-103A	BI1-R 3	12	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-104A	BI1-R 4	11	mg/Kg	65599	5.0	1	7/13/2010	7/20/2010
112713-105A	BI1-R 6	17	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-106A	BI2-R 0.5	310	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-107A	BI2-R 1	23	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-108A	BI2-R 2	10	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-109A	BI2-R 3	10	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-110A	BI2-R 4	10	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-111A	BI2-R 6	9.2	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-112A	BI3-R 0.5	76	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-113A	BI3-R 1	91	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-114A	BI3-R 2	16	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-115A	BI3-R 3	ND	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-116A	BI3-R 4	10	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010
112713-117A	BI3-R 6	8.1	mg/Kg	65600	5.0	1	7/13/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/22/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-011A	BA1-RW3 0.5	ND	mg/Kg	65719	0.10	1	7/13/2010	7/20/2010
112713-053A	BE1-RW3 0.5	ND	mg/Kg	65719	0.10	1	7/13/2010	7/20/2010
112713-100A	BI1-R 0.5	ND	mg/Kg	65719	0.10	1	7/13/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/22/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-002A	AZ1-RW3 1	8.2	pH Units	R123405	0.10	1	7/13/2010	7/20/2010
112713-013A	BA1-RW3 2	8.5	pH Units	R123405	0.10	1	7/13/2010	7/20/2010
112713-024A	BB1-RW3 0.5	8.0	pH Units	R123405	0.10	1	7/13/2010	7/20/2010
112713-035A	BC1-RW3 4	8.4	pH Units	R123405	0.10	1	7/13/2010	7/20/2010
112713-046A	BD1-RW3 4	8.1	pH Units	R123405	0.10	1	7/13/2010	7/20/2010
112713-057A	BE2-RW3 0.5	8.2	pH Units	R123493	0.10	1	7/13/2010	7/20/2010
112713-068A	BF1-RW3 3	8.5	pH Units	R123493	0.10	1	7/13/2010	7/20/2010
112713-079A	BG1-RW3 1	8.4	pH Units	R123493	0.10	1	7/13/2010	7/20/2010
112713-081A	BG1-RW3 3	8.4	pH Units	R123493	0.10	1	7/13/2010	7/20/2010
112713-092A	BH1-R 4	8.3	pH Units	R123493	0.10	1	7/13/2010	7/20/2010
112713-103A	BI1-R 3	8.5	pH Units	R123493	0.10	1	7/13/2010	7/20/2010
112713-114A	BI3-R 2	8.5	pH Units	R123493	0.10	1	7/13/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AZ2-RW3 15
Lab Order:	112713	**Collection Date:**	7/13/2010 6:30:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-010A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100720E	QC Batch: 65647			PrepDate: 7/19/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	7/20/2010 05:00 PM
ORO	1.3	1.0		mg/Kg	1	7/20/2010 05:00 PM
Surr: p-Terphenyl	74.2	30-128		%REC	1	7/20/2010 05:00 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100720A	QC Batch: E10VS210			PrepDate:		Analyst: **CL**
GRO	ND	1.0		mg/Kg	1	7/20/2010 12:59 PM
Surr: Bromofluorobenzene (FID)	115	56-137		%REC	1	7/20/2010 12:59 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100720A	QC Batch: E10VS210			PrepDate:		Analyst: **CL**
Benzene	ND	5.0		µg/Kg	1	7/20/2010 12:59 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/20/2010 12:59 PM
m,p-Xylene	ND	10		µg/Kg	1	7/20/2010 12:59 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/20/2010 12:59 PM
o-Xylene	ND	5.0		µg/Kg	1	7/20/2010 12:59 PM
Toluene	ND	5.0		µg/Kg	1	7/20/2010 12:59 PM
Surr: Bromofluorobenzene (PID)	107	64-116		%REC	1	7/20/2010 12:59 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-RW3 0.5
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-024A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:07 PM
Arsenic	ND	1.0		mg/Kg	1	7/20/2010 03:07 PM
Barium	100	1.0		mg/Kg	1	7/20/2010 03:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:07 PM
Chromium	19	1.0		mg/Kg	1	7/20/2010 03:07 PM
Cobalt	5.8	1.0		mg/Kg	1	7/20/2010 03:07 PM
Copper	14	2.0		mg/Kg	1	7/20/2010 03:07 PM
Lead	30	1.0		mg/Kg	1	7/20/2010 03:07 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:07 PM
Nickel	26	1.0		mg/Kg	1	7/20/2010 03:07 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:07 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:07 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:07 PM
Vanadium	23	1.0		mg/Kg	1	7/20/2010 03:07 PM
Zinc	33	1.0		mg/Kg	1	7/20/2010 03:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:15 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-RW3 1
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-025A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:11 PM
Arsenic	5.8	1.0		mg/Kg	1	7/20/2010 03:11 PM
Barium	99	1.0		mg/Kg	1	7/20/2010 03:11 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:11 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:11 PM
Chromium	33	1.0		mg/Kg	1	7/20/2010 03:11 PM
Cobalt	9.6	1.0		mg/Kg	1	7/20/2010 03:11 PM
Copper	28	2.0		mg/Kg	1	7/20/2010 03:11 PM
Lead	54	1.0		mg/Kg	1	7/20/2010 03:11 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:11 PM
Nickel	39	1.0		mg/Kg	1	7/20/2010 03:11 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:11 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:11 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:11 PM
Vanadium	36	1.0		mg/Kg	1	7/20/2010 03:11 PM
Zinc	60	1.0		mg/Kg	1	7/20/2010 03:11 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:17 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-RW3 2
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-026A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:16 PM
Arsenic	4.7	1.0		mg/Kg	1	7/20/2010 03:16 PM
Barium	93	1.0		mg/Kg	1	7/20/2010 03:16 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:16 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:16 PM
Chromium	24	1.0		mg/Kg	1	7/20/2010 03:16 PM
Cobalt	11	1.0		mg/Kg	1	7/20/2010 03:16 PM
Copper	21	2.0		mg/Kg	1	7/20/2010 03:16 PM
Lead	5.0	1.0		mg/Kg	1	7/20/2010 03:16 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:16 PM
Nickel	23	1.0		mg/Kg	1	7/20/2010 03:16 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:16 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:16 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:16 PM
Vanadium	58	1.0		mg/Kg	1	7/20/2010 03:16 PM
Zinc	55	1.0		mg/Kg	1	7/20/2010 03:16 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	0.17	0.10		mg/Kg	1	7/20/2010 09:19 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-RW3 3
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-027A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:40 PM
Arsenic	11	1.0		mg/Kg	1	7/20/2010 03:40 PM
Barium	110	1.0		mg/Kg	1	7/20/2010 03:40 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Cadmium	1.0	1.0		mg/Kg	1	7/20/2010 03:40 PM
Chromium	33	1.0		mg/Kg	1	7/20/2010 03:40 PM
Cobalt	13	1.0		mg/Kg	1	7/20/2010 03:40 PM
Copper	38	2.0		mg/Kg	1	7/20/2010 03:40 PM
Lead	9.4	1.0		mg/Kg	1	7/20/2010 03:40 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Nickel	36	1.0		mg/Kg	1	7/20/2010 03:40 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Vanadium	51	1.0		mg/Kg	1	7/20/2010 03:40 PM
Zinc	88	1.0		mg/Kg	1	7/20/2010 03:40 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:26 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-RW3 4
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-028A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:44 PM
Arsenic	8.2	1.0		mg/Kg	1	7/20/2010 03:44 PM
Barium	110	1.0		mg/Kg	1	7/20/2010 03:44 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:44 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:44 PM
Chromium	31	1.0		mg/Kg	1	7/20/2010 03:44 PM
Cobalt	11	1.0		mg/Kg	1	7/20/2010 03:44 PM
Copper	35	2.0		mg/Kg	1	7/20/2010 03:44 PM
Lead	8.2	1.0		mg/Kg	1	7/20/2010 03:44 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:44 PM
Nickel	35	1.0		mg/Kg	1	7/20/2010 03:44 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:44 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:44 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:44 PM
Vanadium	50	1.0		mg/Kg	1	7/20/2010 03:44 PM
Zinc	75	1.0		mg/Kg	1	7/20/2010 03:44 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:28 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BE2-RW3 0.5
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-057A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:48 PM
Arsenic	4.6	1.0		mg/Kg	1	7/20/2010 03:48 PM
Barium	120	1.0		mg/Kg	1	7/20/2010 03:48 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Chromium	28	1.0		mg/Kg	1	7/20/2010 03:48 PM
Cobalt	12	1.0		mg/Kg	1	7/20/2010 03:48 PM
Copper	30	2.0		mg/Kg	1	7/20/2010 03:48 PM
Lead	43	1.0		mg/Kg	1	7/20/2010 03:48 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Nickel	29	1.0		mg/Kg	1	7/20/2010 03:48 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Vanadium	62	1.0		mg/Kg	1	7/20/2010 03:48 PM
Zinc	71	1.0		mg/Kg	1	7/20/2010 03:48 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:30 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BE2-RW3 1
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-058A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:52 PM
Arsenic	11	1.0		mg/Kg	1	7/20/2010 03:52 PM
Barium	110	1.0		mg/Kg	1	7/20/2010 03:52 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:52 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:52 PM
Chromium	29	1.0		mg/Kg	1	7/20/2010 03:52 PM
Cobalt	15	1.0		mg/Kg	1	7/20/2010 03:52 PM
Copper	34	2.0		mg/Kg	1	7/20/2010 03:52 PM
Lead	14	1.0		mg/Kg	1	7/20/2010 03:52 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:52 PM
Nickel	33	1.0		mg/Kg	1	7/20/2010 03:52 PM
Selenium	3.1	1.0		mg/Kg	1	7/20/2010 03:52 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:52 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:52 PM
Vanadium	46	1.0		mg/Kg	1	7/20/2010 03:52 PM
Zinc	80	1.0		mg/Kg	1	7/20/2010 03:52 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	0.11	0.10		mg/Kg	1	7/20/2010 09:32 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BE2-RW3 2
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-059A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:56 PM
Arsenic	6.6	1.0		mg/Kg	1	7/20/2010 03:56 PM
Barium	95	1.0		mg/Kg	1	7/20/2010 03:56 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:56 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:56 PM
Chromium	24	1.0		mg/Kg	1	7/20/2010 03:56 PM
Cobalt	11	1.0		mg/Kg	1	7/20/2010 03:56 PM
Copper	24	2.0		mg/Kg	1	7/20/2010 03:56 PM
Lead	5.5	1.0		mg/Kg	1	7/20/2010 03:56 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:56 PM
Nickel	28	1.0		mg/Kg	1	7/20/2010 03:56 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:56 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:56 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:56 PM
Vanadium	41	1.0		mg/Kg	1	7/20/2010 03:56 PM
Zinc	65	1.0		mg/Kg	1	7/20/2010 03:56 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:34 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BE2-RW3 3
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-060A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 04:00 PM
Arsenic	5.5	1.0		mg/Kg	1	7/20/2010 04:00 PM
Barium	110	1.0		mg/Kg	1	7/20/2010 04:00 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 04:00 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 04:00 PM
Chromium	27	1.0		mg/Kg	1	7/20/2010 04:00 PM
Cobalt	11	1.0		mg/Kg	1	7/20/2010 04:00 PM
Copper	24	2.0		mg/Kg	1	7/20/2010 04:00 PM
Lead	5.7	1.0		mg/Kg	1	7/20/2010 04:00 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 04:00 PM
Nickel	29	1.0		mg/Kg	1	7/20/2010 04:00 PM
Selenium	1.1	1.0		mg/Kg	1	7/20/2010 04:00 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 04:00 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 04:00 PM
Vanadium	38	1.0		mg/Kg	1	7/20/2010 04:00 PM
Zinc	63	1.0		mg/Kg	1	7/20/2010 04:00 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:36 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BE2-RW3 4
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-061A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100720D	QC Batch: 65614			PrepDate:	7/19/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 04:04 PM
Arsenic	5.2	1.0		mg/Kg	1	7/20/2010 04:04 PM
Barium	130	1.0		mg/Kg	1	7/20/2010 04:04 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 04:04 PM
Cadmium	1.2	1.0		mg/Kg	1	7/20/2010 04:04 PM
Chromium	28	1.0		mg/Kg	1	7/20/2010 04:04 PM
Cobalt	11	1.0		mg/Kg	1	7/20/2010 04:04 PM
Copper	32	2.0		mg/Kg	1	7/20/2010 04:04 PM
Lead	7.8	1.0		mg/Kg	1	7/20/2010 04:04 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 04:04 PM
Nickel	28	1.0		mg/Kg	1	7/20/2010 04:04 PM
Selenium	1.1	1.0		mg/Kg	1	7/20/2010 04:04 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 04:04 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 04:04 PM
Vanadium	45	1.0		mg/Kg	1	7/20/2010 04:04 PM
Zinc	63	1.0		mg/Kg	1	7/20/2010 04:04 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720A	QC Batch: 65601			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	0.11	0.10		mg/Kg	1	7/20/2010 09:11 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BE2-RW3 6
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-062A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:27 PM
Arsenic	11	1.0		mg/Kg	1	7/20/2010 03:27 PM
Barium	130	1.0		mg/Kg	1	7/20/2010 03:27 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:27 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:27 PM
Chromium	28	1.0		mg/Kg	1	7/20/2010 03:27 PM
Cobalt	9.9	1.0		mg/Kg	1	7/20/2010 03:27 PM
Copper	30	2.0		mg/Kg	1	7/20/2010 03:27 PM
Lead	7.7	1.0		mg/Kg	1	7/20/2010 03:27 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:27 PM
Nickel	25	1.0		mg/Kg	1	7/20/2010 03:27 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:27 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:27 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:27 PM
Vanadium	50	1.0		mg/Kg	1	7/20/2010 03:27 PM
Zinc	64	1.0		mg/Kg	1	7/20/2010 03:27 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100719E	QC Batch: 65607			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	0.11	0.10		mg/Kg	1	7/19/2010 05:45 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BF2-RW3 0.5
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-071A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:29 PM
Arsenic	11	1.0		mg/Kg	1	7/20/2010 03:29 PM
Barium	110	1.0		mg/Kg	1	7/20/2010 03:29 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:29 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:29 PM
Chromium	25	1.0		mg/Kg	1	7/20/2010 03:29 PM
Cobalt	11	1.0		mg/Kg	1	7/20/2010 03:29 PM
Copper	36	2.0		mg/Kg	1	7/20/2010 03:29 PM
Lead	10	1.0		mg/Kg	1	7/20/2010 03:29 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:29 PM
Nickel	30	1.0		mg/Kg	1	7/20/2010 03:29 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:29 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:29 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:29 PM
Vanadium	40	1.0		mg/Kg	1	7/20/2010 03:29 PM
Zinc	80	1.0		mg/Kg	1	7/20/2010 03:29 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100719E	QC Batch: 65607			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/19/2010 05:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BF2-RW3 1
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-072A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:31 PM
Arsenic	12	1.0		mg/Kg	1	7/20/2010 03:31 PM
Barium	92	1.0		mg/Kg	1	7/20/2010 03:31 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:31 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:31 PM
Chromium	27	1.0		mg/Kg	1	7/20/2010 03:31 PM
Cobalt	8.9	1.0		mg/Kg	1	7/20/2010 03:31 PM
Copper	37	2.0		mg/Kg	1	7/20/2010 03:31 PM
Lead	9.0	1.0		mg/Kg	1	7/20/2010 03:31 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:31 PM
Nickel	26	1.0		mg/Kg	1	7/20/2010 03:31 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:31 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:31 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:31 PM
Vanadium	41	1.0		mg/Kg	1	7/20/2010 03:31 PM
Zinc	76	1.0		mg/Kg	1	7/20/2010 03:31 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:59 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BF2-RW3 2
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-073A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:33 PM
Arsenic	9.5	1.0		mg/Kg	1	7/20/2010 03:33 PM
Barium	110	1.0		mg/Kg	1	7/20/2010 03:33 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:33 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:33 PM
Chromium	28	1.0		mg/Kg	1	7/20/2010 03:33 PM
Cobalt	9.8	1.0		mg/Kg	1	7/20/2010 03:33 PM
Copper	39	2.0		mg/Kg	1	7/20/2010 03:33 PM
Lead	9.3	1.0		mg/Kg	1	7/20/2010 03:33 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:33 PM
Nickel	33	1.0		mg/Kg	1	7/20/2010 03:33 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:33 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:33 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:33 PM
Vanadium	39	1.0		mg/Kg	1	7/20/2010 03:33 PM
Zinc	79	1.0		mg/Kg	1	7/20/2010 03:33 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/20/2010 10:01 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BF2-RW3 3
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-074A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:35 PM
Arsenic	11	1.0		mg/Kg	1	7/20/2010 03:35 PM
Barium	100	1.0		mg/Kg	1	7/20/2010 03:35 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:35 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:35 PM
Chromium	27	1.0		mg/Kg	1	7/20/2010 03:35 PM
Cobalt	10	1.0		mg/Kg	1	7/20/2010 03:35 PM
Copper	37	2.0		mg/Kg	1	7/20/2010 03:35 PM
Lead	10	1.0		mg/Kg	1	7/20/2010 03:35 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:35 PM
Nickel	30	1.0		mg/Kg	1	7/20/2010 03:35 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:35 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:35 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:35 PM
Vanadium	39	1.0		mg/Kg	1	7/20/2010 03:35 PM
Zinc	75	1.0		mg/Kg	1	7/20/2010 03:35 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/20/2010 10:03 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BF2-RW3 4
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-075A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:37 PM
Arsenic	10	1.0		mg/Kg	1	7/20/2010 03:37 PM
Barium	110	1.0		mg/Kg	1	7/20/2010 03:37 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:37 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:37 PM
Chromium	29	1.0		mg/Kg	1	7/20/2010 03:37 PM
Cobalt	15	1.0		mg/Kg	1	7/20/2010 03:37 PM
Copper	38	2.0		mg/Kg	1	7/20/2010 03:37 PM
Lead	9.7	1.0		mg/Kg	1	7/20/2010 03:37 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:37 PM
Nickel	46	1.0		mg/Kg	1	7/20/2010 03:37 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:37 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:37 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:37 PM
Vanadium	41	1.0		mg/Kg	1	7/20/2010 03:37 PM
Zinc	81	1.0		mg/Kg	1	7/20/2010 03:37 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 10:06 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BF2-RW3 6
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-076A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:40 PM
Arsenic	11	1.0		mg/Kg	1	7/20/2010 03:40 PM
Barium	210	1.0		mg/Kg	1	7/20/2010 03:40 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Chromium	36	1.0		mg/Kg	1	7/20/2010 03:40 PM
Cobalt	23	1.0		mg/Kg	1	7/20/2010 03:40 PM
Copper	46	2.0		mg/Kg	1	7/20/2010 03:40 PM
Lead	9.8	1.0		mg/Kg	1	7/20/2010 03:40 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Nickel	54	1.0		mg/Kg	1	7/20/2010 03:40 PM
Selenium	1.0	1.0		mg/Kg	1	7/20/2010 03:40 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:40 PM
Vanadium	52	1.0		mg/Kg	1	7/20/2010 03:40 PM
Zinc	91	1.0		mg/Kg	1	7/20/2010 03:40 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	0.11	0.10		mg/Kg	1	7/20/2010 10:08 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BF2-RW3 8
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-077A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:45 PM
Arsenic	10	1.0		mg/Kg	1	7/20/2010 03:45 PM
Barium	96	1.0		mg/Kg	1	7/20/2010 03:45 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:45 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:45 PM
Chromium	34	1.0		mg/Kg	1	7/20/2010 03:45 PM
Cobalt	7.5	1.0		mg/Kg	1	7/20/2010 03:45 PM
Copper	51	2.0		mg/Kg	1	7/20/2010 03:45 PM
Lead	9.7	1.0		mg/Kg	1	7/20/2010 03:45 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:45 PM
Nickel	32	1.0		mg/Kg	1	7/20/2010 03:45 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:45 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:45 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:45 PM
Vanadium	47	1.0		mg/Kg	1	7/20/2010 03:45 PM
Zinc	83	1.0		mg/Kg	1	7/20/2010 03:45 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 10:10 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BH1-R 0.5
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-088A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:48 PM
Arsenic	4.1	1.0		mg/Kg	1	7/20/2010 03:48 PM
Barium	99	1.0		mg/Kg	1	7/20/2010 03:48 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Chromium	17	1.0		mg/Kg	1	7/20/2010 03:48 PM
Cobalt	6.0	1.0		mg/Kg	1	7/20/2010 03:48 PM
Copper	18	2.0		mg/Kg	1	7/20/2010 03:48 PM
Lead	19	1.0		mg/Kg	1	7/20/2010 03:48 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Nickel	22	1.0		mg/Kg	1	7/20/2010 03:48 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:48 PM
Vanadium	41	1.0		mg/Kg	1	7/20/2010 03:48 PM
Zinc	52	1.0		mg/Kg	1	7/20/2010 03:48 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 10:16 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BH1-R 1
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-089A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720G	QC Batch: 65615			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 03:50 PM
Arsenic	3.2	1.0		mg/Kg	1	7/20/2010 03:50 PM
Barium	70	1.0		mg/Kg	1	7/20/2010 03:50 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 03:50 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 03:50 PM
Chromium	24	1.0		mg/Kg	1	7/20/2010 03:50 PM
Cobalt	5.3	1.0		mg/Kg	1	7/20/2010 03:50 PM
Copper	20	2.0		mg/Kg	1	7/20/2010 03:50 PM
Lead	56	1.0		mg/Kg	1	7/20/2010 03:50 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 03:50 PM
Nickel	41	1.0		mg/Kg	1	7/20/2010 03:50 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 03:50 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 03:50 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 03:50 PM
Vanadium	32	1.0		mg/Kg	1	7/20/2010 03:50 PM
Zinc	36	1.0		mg/Kg	1	7/20/2010 03:50 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 10:18 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BH1-R 2
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-090A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720H	QC Batch: 65616			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 04:55 PM
Arsenic	3.0	1.0		mg/Kg	1	7/20/2010 04:55 PM
Barium	91	1.0		mg/Kg	1	7/20/2010 04:55 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 04:55 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 04:55 PM
Chromium	13	1.0		mg/Kg	1	7/20/2010 04:55 PM
Cobalt	9.3	1.0		mg/Kg	1	7/20/2010 04:55 PM
Copper	16	2.0		mg/Kg	1	7/20/2010 04:55 PM
Lead	3.3	1.0		mg/Kg	1	7/20/2010 04:55 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 04:55 PM
Nickel	16	1.0		mg/Kg	1	7/20/2010 04:55 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 04:55 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 04:55 PM
Thallium	1.6	1.0		mg/Kg	1	7/20/2010 04:55 PM
Vanadium	80	1.0		mg/Kg	1	7/20/2010 04:55 PM
Zinc	41	1.0		mg/Kg	1	7/20/2010 04:55 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 10:20 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BH1-R 3
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-091A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720H	QC Batch: 65616			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 04:57 PM
Arsenic	1.9	1.0		mg/Kg	1	7/20/2010 04:57 PM
Barium	88	1.0		mg/Kg	1	7/20/2010 04:57 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 04:57 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 04:57 PM
Chromium	11	1.0		mg/Kg	1	7/20/2010 04:57 PM
Cobalt	5.5	1.0		mg/Kg	1	7/20/2010 04:57 PM
Copper	16	2.0		mg/Kg	1	7/20/2010 04:57 PM
Lead	4.2	1.0		mg/Kg	1	7/20/2010 04:57 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 04:57 PM
Nickel	12	1.0		mg/Kg	1	7/20/2010 04:57 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 04:57 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 04:57 PM
Thallium	1.6	1.0		mg/Kg	1	7/20/2010 04:57 PM
Vanadium	65	1.0		mg/Kg	1	7/20/2010 04:57 PM
Zinc	36	1.0		mg/Kg	1	7/20/2010 04:57 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720B	QC Batch: 65602			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 09:55 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BH1-R 4
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-092A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720H	QC Batch: 65616			PrepDate:	7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 05:03 PM
Arsenic	10	1.0		mg/Kg	1	7/20/2010 05:03 PM
Barium	98	1.0		mg/Kg	1	7/20/2010 05:03 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 05:03 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 05:03 PM
Chromium	31	1.0		mg/Kg	1	7/20/2010 05:03 PM
Cobalt	16	1.0		mg/Kg	1	7/20/2010 05:03 PM
Copper	48	2.0		mg/Kg	1	7/20/2010 05:03 PM
Lead	12	1.0		mg/Kg	1	7/20/2010 05:03 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 05:03 PM
Nickel	28	1.0		mg/Kg	1	7/20/2010 05:03 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 05:03 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 05:03 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 05:03 PM
Vanadium	44	1.0		mg/Kg	1	7/20/2010 05:03 PM
Zinc	82	1.0		mg/Kg	1	7/20/2010 05:03 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720C	QC Batch: 65603			PrepDate:	7/19/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 10:43 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BH1-R 6
Lab Order:	112713	**Collection Date:**	7/13/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112713-093A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100720H	QC Batch: 65616				PrepDate: 7/19/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/20/2010 05:05 PM
Arsenic	16	1.0		mg/Kg	1	7/20/2010 05:05 PM
Barium	97	1.0		mg/Kg	1	7/20/2010 05:05 PM
Beryllium	ND	1.0		mg/Kg	1	7/20/2010 05:05 PM
Cadmium	ND	1.0		mg/Kg	1	7/20/2010 05:05 PM
Chromium	30	1.0		mg/Kg	1	7/20/2010 05:05 PM
Cobalt	14	1.0		mg/Kg	1	7/20/2010 05:05 PM
Copper	28	2.0		mg/Kg	1	7/20/2010 05:05 PM
Lead	6.9	1.0		mg/Kg	1	7/20/2010 05:05 PM
Molybdenum	ND	1.0		mg/Kg	1	7/20/2010 05:05 PM
Nickel	50	1.0		mg/Kg	1	7/20/2010 05:05 PM
Selenium	ND	1.0		mg/Kg	1	7/20/2010 05:05 PM
Silver	ND	1.0		mg/Kg	1	7/20/2010 05:05 PM
Thallium	ND	1.0		mg/Kg	1	7/20/2010 05:05 PM
Vanadium	48	1.0		mg/Kg	1	7/20/2010 05:05 PM
Zinc	74	1.0		mg/Kg	1	7/20/2010 05:05 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720C	QC Batch: 65603				PrepDate: 7/19/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/20/2010 10:45 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65614** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123424**
Client ID: **PBS** Batch ID: **65614** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979131**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65614** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123424**
Client ID: **LCSS** Batch ID: **65614** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979132**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.286	2.0	50.00	0	90.6	80	120				
Arsenic	45.013	1.0	50.00	0	90.0	80	120				
Barium	48.550	1.0	50.00	0	97.1	80	120				
Beryllium	47.737	1.0	50.00	0	95.5	80	120				
Cadmium	46.340	1.0	50.00	0	92.7	80	120				
Chromium	47.979	1.0	50.00	0	96.0	80	120				
Cobalt	48.336	1.0	50.00	0	96.7	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65614** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123424**
Client ID: **LCSS** Batch ID: **65614** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979132**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	48.405	2.0	50.00	0	96.8	80	120				
Lead	47.859	1.0	50.00	0	95.7	80	120				
Molybdenum	48.251	1.0	50.00	0	96.5	80	120				
Nickel	47.262	1.0	50.00	0	94.5	80	120				
Selenium	43.677	1.0	50.00	0	87.4	80	120				
Silver	48.830	1.0	50.00	0	97.7	80	120				
Thallium	42.534	1.0	50.00	0	85.1	80	120				
Vanadium	47.260	1.0	50.00	0	94.5	80	120				
Zinc	46.293	1.0	50.00	0	92.6	80	120				

Sample ID: **112713-061A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123424**
Client ID: **BE2-RW3 4** Batch ID: **65614** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979143**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.024	2.0						0.6521	0	20	
Arsenic	8.205	1.0						5.236	44.2	20	R
Barium	148.784	1.0						125.6	16.9	20	
Beryllium	0.339	1.0						0.2435	0	20	
Cadmium	1.759	1.0						1.152	41.7	20	R
Chromium	33.886	1.0						27.92	19.3	20	
Cobalt	13.570	1.0						11.18	19.3	20	
Copper	40.813	2.0						31.88	24.6	20	R
Lead	10.640	1.0						7.752	31.4	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	36.715	1.0						28.41	25.5	20	R
Selenium	2.096	1.0						1.068	64.9	20	R
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	56.922	1.0						44.55	24.4	20	R
Zinc	79.358	1.0						62.93	23.1	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112713-061A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123424**
Client ID: **BE2-RW3 4** Batch ID: **65614** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979144**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	84.266	2.0	125.0	0.6521	66.9	32	105				
Arsenic	96.633	1.0	125.0	5.236	73.1	49	106				
Barium	217.265	1.0	125.0	125.6	73.4	31	133				
Beryllium	99.183	1.0	125.0	0.2435	79.2	56	106				
Cadmium	90.673	1.0	125.0	1.152	71.6	51	103				
Chromium	123.851	1.0	125.0	27.92	76.7	45	114				
Cobalt	102.616	1.0	125.0	11.18	73.1	52	106				
Copper	141.419	2.0	125.0	31.88	87.6	54	125				
Lead	101.870	1.0	125.0	7.752	75.3	34	126				
Molybdenum	94.787	1.0	125.0	0	75.8	54	106				
Nickel	119.066	1.0	125.0	28.41	72.5	45	111				
Selenium	91.134	1.0	125.0	1.068	72.1	47	104				
Silver	100.757	1.0	125.0	0	80.6	56	112				
Thallium	86.842	1.0	125.0	0	69.5	46	101				
Vanadium	141.130	1.0	125.0	44.55	77.3	54	114				
Zinc	147.211	1.0	125.0	62.93	67.4	28	125				

Sample ID: **112713-061A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123424**
Client ID: **BE2-RW3 4** Batch ID: **65614** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.912	2.0	125.0	0.6521	66.6	32	105	84.27	0.420	20	
Arsenic	98.393	1.0	125.0	5.236	74.5	49	106	96.63	1.80	20	
Barium	218.519	1.0	125.0	125.6	74.4	31	133	217.3	0.576	20	
Beryllium	99.246	1.0	125.0	0.2435	79.2	56	106	99.18	0.0644	20	
Cadmium	90.325	1.0	125.0	1.152	71.3	51	103	90.67	0.385	20	
Chromium	124.953	1.0	125.0	27.92	77.6	45	114	123.9	0.886	20	
Cobalt	102.783	1.0	125.0	11.18	73.3	52	106	102.6	0.162	20	
Copper	142.427	2.0	125.0	31.88	88.4	54	125	141.4	0.710	20	
Lead	103.449	1.0	125.0	7.752	76.6	34	126	101.9	1.54	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112713-061A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123424**
Client ID: **BE2-RW3 4** Batch ID: **65614** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	95.866	1.0	125.0	0	76.7	54	106	94.79	1.13	20	
Nickel	118.066	1.0	125.0	28.41	71.7	45	111	119.1	0.844	20	
Selenium	92.175	1.0	125.0	1.068	72.9	47	104	91.13	1.14	20	
Silver	100.139	1.0	125.0	0	80.1	56	112	100.8	0.615	20	
Thallium	86.946	1.0	125.0	0	69.6	46	101	86.84	0.120	20	
Vanadium	144.337	1.0	125.0	44.55	79.8	54	114	141.1	2.25	20	
Zinc	149.592	1.0	125.0	62.93	69.3	28	125	147.2	1.60	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65615** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123423**
Client ID: **PBS** Batch ID: **65615** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.021	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	0.331	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.309	1.0									

Sample ID: **LCS-65615** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123423**
Client ID: **LCSS** Batch ID: **65615** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	46.288	2.0	50.00	0	92.6	80	120				
Arsenic	46.013	1.0	50.00	0	92.0	80	120				
Barium	47.924	1.0	50.00	0	95.8	80	120				
Beryllium	47.219	1.0	50.00	0	94.4	80	120				
Cadmium	46.071	1.0	50.00	0.02111	92.1	80	120				
Chromium	46.080	1.0	50.00	0	92.2	80	120				
Cobalt	47.256	1.0	50.00	0	94.5	80	120				
Copper	47.139	2.0	50.00	0	94.3	80	120				
Lead	47.479	1.0	50.00	0.3308	94.3	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65615** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123423**
Client ID: **LCSS** Batch ID: **65615** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	48.460	1.0	50.00	0	96.9	80	120				
Nickel	46.013	1.0	50.00	0	92.0	80	120				
Selenium	45.145	1.0	50.00	0	90.3	80	120				
Silver	47.305	1.0	50.00	0	94.6	80	120				
Thallium	45.835	1.0	50.00	0	91.7	80	120				
Vanadium	46.011	1.0	50.00	0	92.0	80	120				
Zinc	46.308	1.0	50.00	0.3086	92.0	80	120				

Sample ID: **112713-089A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123423**
Client ID: **BH1-R 1** Batch ID: **65615** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	3.222	1.0						3.227	0.170	20	
Barium	89.261	1.0						69.59	24.8	20	R
Beryllium	ND	1.0						0	0	20	
Cadmium	0.092	1.0						0.09524	0	20	
Chromium	22.168	1.0						24.20	8.78	20	
Cobalt	6.237	1.0						5.305	16.1	20	
Copper	23.654	2.0						20.50	14.3	20	
Lead	50.051	1.0						55.82	10.9	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	44.439	1.0						40.60	9.02	20	
Selenium	ND	1.0						0	0	20	
Silver	0.201	1.0						0.1743	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	39.394	1.0						31.63	21.9	20	R
Zinc	42.598	1.0						35.95	16.9	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112713-089A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123423**
Client ID: **BH1-R 1** Batch ID: **65615** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979129**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	104.356	2.0	125.0	0	83.5	32	105				
Arsenic	113.219	1.0	125.0	3.227	88.0	49	106				
Barium	193.889	1.0	125.0	69.59	99.4	31	133				
Beryllium	115.939	1.0	125.0	0	92.8	56	106				
Cadmium	106.453	1.0	125.0	0.09524	85.1	51	103				
Chromium	132.312	1.0	125.0	24.20	86.5	45	114				
Cobalt	113.855	1.0	125.0	5.305	86.8	52	106				
Copper	136.840	2.0	125.0	20.50	93.1	54	125				
Lead	193.677	1.0	125.0	55.82	110	34	126				
Molybdenum	110.398	1.0	125.0	0	88.3	54	106				
Nickel	146.354	1.0	125.0	40.60	84.6	45	111				
Selenium	110.931	1.0	125.0	0	88.7	47	104				
Silver	118.141	1.0	125.0	0.1743	94.4	56	112				
Thallium	105.330	1.0	125.0	0	84.3	46	101				
Vanadium	152.394	1.0	125.0	31.63	96.6	54	114				
Zinc	151.371	1.0	125.0	35.95	92.3	28	125				

Sample ID: **112713-089A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123423**
Client ID: **BH1-R 1** Batch ID: **65615** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	105.525	2.0	125.0	0	84.4	32	105	104.4	1.11	20	
Arsenic	114.775	1.0	125.0	3.227	89.2	49	106	113.2	1.37	20	
Barium	197.171	1.0	125.0	69.59	102	31	133	193.9	1.68	20	
Beryllium	117.738	1.0	125.0	0	94.2	56	106	115.9	1.54	20	
Cadmium	107.903	1.0	125.0	0.09524	86.2	51	103	106.5	1.35	20	
Chromium	135.987	1.0	125.0	24.20	89.4	45	114	132.3	2.74	20	
Cobalt	115.573	1.0	125.0	5.305	88.2	52	106	113.9	1.50	20	
Copper	141.073	2.0	125.0	20.50	96.5	54	125	136.8	3.05	20	
Lead	200.804	1.0	125.0	55.82	116	34	126	193.7	3.61	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112713-089A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123423**
Client ID: **BH1-R 1** Batch ID: **65615** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	112.523	1.0	125.0	0	90.0	54	106	110.4	1.91	20	
Nickel	145.364	1.0	125.0	40.60	83.8	45	111	146.4	0.679	20	
Selenium	112.845	1.0	125.0	0	90.3	47	104	110.9	1.71	20	
Silver	120.717	1.0	125.0	0.1743	96.4	56	112	118.1	2.16	20	
Thallium	107.334	1.0	125.0	0	85.9	46	101	105.3	1.88	20	
Vanadium	152.097	1.0	125.0	31.63	96.4	54	114	152.4	0.195	20	
Zinc	149.036	1.0	125.0	35.95	90.5	28	125	151.4	1.55	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65616** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123434**
Client ID: **PBS** Batch ID: **65616** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979308**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	0.155	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.205	1.0									

Sample ID: **LCS-65616** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123434**
Client ID: **LCSS** Batch ID: **65616** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	46.254	2.0	50.00	0	92.5	80	120				
Arsenic	46.213	1.0	50.00	0	92.4	80	120				
Barium	47.950	1.0	50.00	0	95.9	80	120				
Beryllium	46.878	1.0	50.00	0	93.8	80	120				
Cadmium	46.181	1.0	50.00	0	92.4	80	120				
Chromium	45.801	1.0	50.00	0	91.6	80	120				
Cobalt	47.049	1.0	50.00	0	94.1	80	120				
Copper	46.695	2.0	50.00	0	93.4	80	120				
Lead	47.326	1.0	50.00	0.1548	94.3	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65616** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123434**
Client ID: **LCSS** Batch ID: **65616** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	48.584	1.0	50.00	0	97.2	80	120				
Nickel	45.573	1.0	50.00	0	91.1	80	120				
Selenium	44.853	1.0	50.00	0	89.7	80	120				
Silver	47.062	1.0	50.00	0	94.1	80	120				
Thallium	45.879	1.0	50.00	0	91.8	80	120				
Vanadium	46.147	1.0	50.00	0	92.3	80	120				
Zinc	45.934	1.0	50.00	0.2051	91.5	80	120				

Sample ID: **112714-006A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123434**
Client ID: **ZZZZZZ** Batch ID: **65616** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.867	2.0						0.8277	0	20	
Arsenic	6.363	1.0						6.250	1.80	20	
Barium	137.388	1.0						121.8	12.1	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.091	1.0						0.09464	0	20	
Chromium	59.519	1.0						59.77	0.429	20	
Cobalt	8.821	1.0						8.651	1.95	20	
Copper	24.460	2.0						23.89	2.37	20	
Lead	12.544	1.0						12.58	0.295	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	72.603	1.0						73.01	0.564	20	
Selenium	ND	1.0						0	0	20	
Silver	0.212	1.0						0.1809	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	33.158	1.0						30.58	8.09	20	
Zinc	43.949	1.0						41.68	5.31	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112714-006A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123434**
Client ID: **ZZZZZZ** Batch ID: **65616** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	87.033	2.0	125.0	0.8277	69.0	32	105				
Arsenic	105.280	1.0	125.0	6.250	79.2	49	106				
Barium	228.121	1.0	125.0	121.8	85.1	31	133				
Beryllium	103.346	1.0	125.0	0	82.7	56	106				
Cadmium	92.837	1.0	125.0	0.09464	74.2	51	103				
Chromium	165.679	1.0	125.0	59.77	84.7	45	114				
Cobalt	101.332	1.0	125.0	8.651	74.1	52	106				
Copper	126.755	2.0	125.0	23.89	82.3	54	125				
Lead	108.674	1.0	125.0	12.58	76.9	34	126				
Molybdenum	97.213	1.0	125.0	0	77.8	54	106				
Nickel	161.899	1.0	125.0	73.01	71.1	45	111				
Selenium	98.382	1.0	125.0	0	78.7	47	104				
Silver	108.286	1.0	125.0	0.1809	86.5	56	112				
Thallium	92.346	1.0	125.0	0	73.9	46	101				
Vanadium	135.929	1.0	125.0	30.58	84.3	54	114				
Zinc	130.132	1.0	125.0	41.68	70.8	28	125				

Sample ID: **112714-006A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123434**
Client ID: **ZZZZZZ** Batch ID: **65616** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	91.231	2.0	125.0	0.8277	72.3	32	105	87.03	4.71	20	
Arsenic	108.846	1.0	125.0	6.250	82.1	49	106	105.3	3.33	20	
Barium	227.673	1.0	125.0	121.8	84.7	31	133	228.1	0.197	20	
Beryllium	108.393	1.0	125.0	0	86.7	56	106	103.3	4.77	20	
Cadmium	98.506	1.0	125.0	0.09464	78.7	51	103	92.84	5.93	20	
Chromium	158.335	1.0	125.0	59.77	78.8	45	114	165.7	4.53	20	
Cobalt	106.212	1.0	125.0	8.651	78.0	52	106	101.3	4.70	20	
Copper	129.575	2.0	125.0	23.89	84.6	54	125	126.8	2.20	20	
Lead	110.127	1.0	125.0	12.58	78.0	34	126	108.7	1.33	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112714-006A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123434**
Client ID: **ZZZZZZ** Batch ID: **65616** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/20/2010** SeqNo: **1979322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	102.128	1.0	125.0	0	81.7	54	106	97.21	4.93	20	
Nickel	159.522	1.0	125.0	73.01	69.2	45	111	161.9	1.48	20	
Selenium	102.472	1.0	125.0	0	82.0	47	104	98.38	4.07	20	
Silver	111.546	1.0	125.0	0.1809	89.1	56	112	108.3	2.97	20	
Thallium	97.283	1.0	125.0	0	77.8	46	101	92.35	5.21	20	
Vanadium	139.354	1.0	125.0	30.58	87.0	54	114	135.9	2.49	20	
Zinc	134.530	1.0	125.0	41.68	74.3	28	125	130.1	3.32	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65596A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123387**
Client ID: **PBS** Batch ID: **65596** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.163	5.0									

Sample ID: **LCS-65596** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123387**
Client ID: **LCSS** Batch ID: **65596** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.188	5.0	250.0	0.1631	112	80	120				

Sample ID: **112713-010A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123387**
Client ID: **AZ2-RW3 15** Batch ID: **65596** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.098	5.0						10.47	22.3	20	R

Sample ID: **112713-010A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123387**
Client ID: **AZ2-RW3 15** Batch ID: **65596** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	229.961	5.0	250.0	10.47	87.8	34	126				

Sample ID: **MB-65596B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123387**
Client ID: **PBS** Batch ID: **65596** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978561**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.233	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112713-020A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123387**
Client ID: **BA2-RW3 3**	Batch ID: **65596**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978572**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.213	5.0						9.762	5.79	20	

Sample ID: **112713-020A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123387**
Client ID: **BA2-RW3 3**	Batch ID: **65596**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	221.712	5.0	250.0	9.762	84.8	34	126				

Sample ID: **112713-020A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123387**
Client ID: **BA2-RW3 3**	Batch ID: **65596**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	229.134	5.0	250.0	9.762	87.7	34	126	221.7	3.29	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65597A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123396**
Client ID: **PBS** Batch ID: **65597** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.867	5.0									

Sample ID: **LCS-65597** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123396**
Client ID: **LCSS** Batch ID: **65597** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978692**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290.054	5.0	250.0	2.867	115	80	120				

Sample ID: **112713-035A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123396**
Client ID: **BC1-RW3 4** Batch ID: **65597** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.460	5.0						12.21	9.71	20	

Sample ID: **112713-035A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123396**
Client ID: **BC1-RW3 4** Batch ID: **65597** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978704**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	223.851	5.0	250.0	12.21	84.7	34	126				

Sample ID: **MB-65597B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123396**
Client ID: **PBS** Batch ID: **65597** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978705**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.208	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112713-045A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123396**
Client ID: **BD1-RW3 3**	Batch ID: **65597**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.012	5.0						10.32	15.2	20	

Sample ID: **112713-045A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123396**
Client ID: **BD1-RW3 3**	Batch ID: **65597**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.241	5.0	250.0	10.32	86.0	34	126				

Sample ID: **112713-045A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123396**
Client ID: **BD1-RW3 3**	Batch ID: **65597**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.299	5.0	250.0	10.32	88.8	34	126	225.2	3.08	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65598A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123389**
Client ID: **PBS** Batch ID: **65598** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.171	5.0									

Sample ID: **LCS-65598** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123389**
Client ID: **LCSS** Batch ID: **65598** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	286.454	5.0	250.0	0.1709	115	80	120				

Sample ID: **112713-055A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123389**
Client ID: **BE1-RW3 2** Batch ID: **65598** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978593**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.196	5.0						53.98	0	20	

Sample ID: **112713-055A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123389**
Client ID: **BE1-RW3 2** Batch ID: **65598** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978594**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.594	5.0	250.0	53.98	-10.6	34	126				S

Sample ID: **MB-65598B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123389**
Client ID: **PBS** Batch ID: **65598** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978595**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.147	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112713-078A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123389**
Client ID: **BG1-RW3 0.5**	Batch ID: **65598**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.143	5.0						10.07	18.6	20	

Sample ID: **112713-078A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123389**
Client ID: **BG1-RW3 0.5**	Batch ID: **65598**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	144.124	5.0	250.0	10.07	53.6	34	126	264.1	58.8	20	R

Sample ID: **112713-078A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/19/2010**	RunNo: **123389**
Client ID: **BG1-RW3 0.5**	Batch ID: **65598**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/20/2010**	SeqNo: **1978625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	264.104	5.0	250.0	10.07	102	34	126				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65599A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123393**
Client ID: **PBS** Batch ID: **65599** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978654**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.161	5.0									

Sample ID: **LCS-65599** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123393**
Client ID: **LCSS** Batch ID: **65599** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978655**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	292.204	5.0	250.0	0.1607	117	80	120				

Sample ID: **112713-094A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123393**
Client ID: **BH2-R 0.5** Batch ID: **65599** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978666**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	132.485	5.0						166.2	22.6	20	R

Sample ID: **112713-094A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123393**
Client ID: **BH2-R 0.5** Batch ID: **65599** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978667**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	369.436	5.0	250.0	166.2	81.3	34	126				

Sample ID: **MB-65599B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123393**
Client ID: **PBS** Batch ID: **65599** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978668**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.354	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112713-104A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123393**
Client ID: **BI1-R 4** Batch ID: **65599** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978679**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.978	5.0						11.26	2.56	20	

Sample ID: **112713-104A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123393**
Client ID: **BI1-R 4** Batch ID: **65599** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978680**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	212.241	5.0	250.0	11.26	80.4	34	126				

Sample ID: **112713-104A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123393**
Client ID: **BI1-R 4** Batch ID: **65599** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978681**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	185.583	5.0	250.0	11.26	69.7	34	126	212.2	13.4	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65600A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123404**
Client ID: **PBS** Batch ID: **65600** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.124	5.0									

Sample ID: **LCS-65600** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123404**
Client ID: **LCSS** Batch ID: **65600** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	289.072	5.0	250.0	0.1243	116	80	120				

Sample ID: **112713-114A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123404**
Client ID: **BI3-R 2** Batch ID: **65600** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978847**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.758	5.0						15.67	28.5	20	R

Sample ID: **112713-114A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123404**
Client ID: **BI3-R 2** Batch ID: **65600** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978848**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	228.115	5.0	250.0	15.67	85.0	34	126				

Sample ID: **MB-65600A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123404**
Client ID: **PBS** Batch ID: **65600** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.115	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112713-117A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123404**
Client ID: **BI3-R 6** Batch ID: **65600** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.474	5.0						8.084	68.3	20	R

Sample ID: **112713-117A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123404**
Client ID: **BI3-R 6** Batch ID: **65600** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.850	5.0	250.0	8.084	85.1	34	126				

Sample ID: **112713-117A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123404**
Client ID: **BI3-R 6** Batch ID: **65600** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/20/2010** SeqNo: **1978855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	223.847	5.0	250.0	8.084	86.3	34	126	220.9	1.35	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112713-011A-MS**	SampType: **MS**	TestCode: **7196_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123446**
Client ID: **BA1-RW3 0.5**	Batch ID: **65719**	TestNo: **EPA 7196A**		Analysis Date: **7/20/2010**	SeqNo: **1979619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.900	0.10	5.000	0	98.0	85	115				

Sample ID: **112713-011A-MSD**	SampType: **MSD**	TestCode: **7196_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123446**
Client ID: **BA1-RW3 0.5**	Batch ID: **65719**	TestNo: **EPA 7196A**		Analysis Date: **7/20/2010**	SeqNo: **1979620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.940	0.10	5.000	0	98.8	85	115	4.900	0.813	20	

Sample ID: **112768-083A-DUP**	SampType: **DUP**	TestCode: **7196_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123446**
Client ID: **ZZZZZZ**	Batch ID: **65719**	TestNo: **EPA 7196A**		Analysis Date: **7/20/2010**	SeqNo: **1979629**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **LCS-65719**	SampType: **LCS**	TestCode: **7196_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123446**
Client ID: **LCSS**	Batch ID: **65719**	TestNo: **EPA 7196A**		Analysis Date: **7/20/2010**	SeqNo: **1979630**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.940	0.10	5.000	0	98.8	85	115				

Sample ID: **MB-65719**	SampType: **MBLK**	TestCode: **7196_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123446**
Client ID: **PBS**	Batch ID: **65719**	TestNo: **EPA 7196A**		Analysis Date: **7/20/2010**	SeqNo: **1979631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65601** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123369**
Client ID: **PBS** Batch ID: **65601** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65601** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123369**
Client ID: **LCSS** Batch ID: **65601** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.826	0.10	0.8300	0	99.6	80	120				

Sample ID: **112713-061A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123369**
Client ID: **BE2-RW3 4** Batch ID: **65601** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.020	0.10	0.8300	0.1081	110	70	130				

Sample ID: **112713-061A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123369**
Client ID: **BE2-RW3 4** Batch ID: **65601** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.019	0.10	0.8300	0.1081	110	70	130	1.020	0.106	20	

Sample ID: **112713-061A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123369**
Client ID: **BE2-RW3 4** Batch ID: **65601** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.107	0.10						0.1081	1.02	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65602** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123373**
Client ID: **PBS** Batch ID: **65602** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978155**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65602** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123373**
Client ID: **LCSS** Batch ID: **65602** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978156**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.831	0.10	0.8300	0	100	80	120				

Sample ID: **112713-091A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123373**
Client ID: **BH1-R 3** Batch ID: **65602** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.945	0.10	0.8300	0.03431	110	70	130				

Sample ID: **112713-091A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123373**
Client ID: **BH1-R 3** Batch ID: **65602** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978158**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.950	0.10	0.8300	0.03431	110	70	130	0.9446	0.602	20	

Sample ID: **112713-091A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123373**
Client ID: **BH1-R 3** Batch ID: **65602** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978160**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.035	0.10						0.03431	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65603** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123375**
Client ID: **PBS** Batch ID: **65603** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978234**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65603** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123375**
Client ID: **LCSS** Batch ID: **65603** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978235**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.886	0.10	0.8300	0	107	80	120				

Sample ID: **112714-033A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123375**
Client ID: **ZZZZZZ** Batch ID: **65603** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978236**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.130	0.10	0.8300	0.09813	124	70	130				

Sample ID: **112714-033A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123375**
Client ID: **ZZZZZZ** Batch ID: **65603** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.130	0.10	0.8300	0.09813	124	70	130	1.130	0.0166	20	

Sample ID: **112714-033A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123375**
Client ID: **ZZZZZZ** Batch ID: **65603** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1978239**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.098	0.10						0.09813	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65607** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123352**
Client ID: **PBS** Batch ID: **65607** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1977778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65607** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123352**
Client ID: **LCSS** Batch ID: **65607** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1977779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.978	0.10	0.8300	0	118	80	120				

Sample ID: **112777-003A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123352**
Client ID: **ZZZZZZ** Batch ID: **65607** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1977780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.998	0.10	0.8300	0.05952	113	70	130				

Sample ID: **112777-003A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123352**
Client ID: **ZZZZZZ** Batch ID: **65607** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1977781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.990	0.10	0.8300	0.05952	112	70	130	0.9984	0.882	20	

Sample ID: **112777-003A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123352**
Client ID: **ZZZZZZ** Batch ID: **65607** TestNo: **EPA 7471A** Analysis Date: **7/19/2010** SeqNo: **1977783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.055	0.10						0.05952	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-65647** SampType: **MBLK** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123469**
Client ID: **PBS** Batch ID: **65647** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/20/2010** SeqNo: **1980424**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.364		2.670		88.5	30	128				

Sample ID: **LCS-65647** SampType: **LCS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123469**
Client ID: **LCSS** Batch ID: **65647** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/20/2010** SeqNo: **1980425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	25.173	1.0	33.00	0	76.3	35	118				
Surr: p-Terphenyl	2.343		2.670		87.8	30	128				

Sample ID: **112685-018ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123469**
Client ID: **ZZZZZZ** Batch ID: **65647** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/20/2010** SeqNo: **1980428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	2.603	1.0						2.781	6.61	20	
ORO	16.855	1.0						18.86	11.2	20	
Surr: p-Terphenyl	1.662		2.670		62.2	30	128		0	0	

Sample ID: **112685-018AMS** SampType: **MS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123469**
Client ID: **ZZZZZZ** Batch ID: **65647** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/20/2010** SeqNo: **1980429**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	29.900	1.0	33.00	2.781	82.2	25	129				
Surr: p-Terphenyl	2.328		2.670		87.2	30	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **112685-018AMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/19/2010** RunNo: **123469**
Client ID: **ZZZZZZ** Batch ID: **65647** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/20/2010** SeqNo: **1980430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	21.342	1.0	33.00	2.781	56.2	25	129	29.90	33.4	20	R
Surr: p-Terphenyl	1.976		2.670		74.0	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E100720LCS2** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123438**
Client ID: **LCSS** Batch ID: **E10VS210** TestNo: **EPA 8015B(M** Analysis Date: **7/20/2010** SeqNo: **1979417**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.510	1.0	5.000	0	110	70	130				
Surr: Bromofluorobenzene (FID)	122.054		100.0		122	56	137				

Sample ID: **E100720MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123438**
Client ID: **PBS** Batch ID: **E10VS210** TestNo: **EPA 8015B(M** Analysis Date: **7/20/2010** SeqNo: **1979418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	109.245		100.0		109	56	137				

Sample ID: **112721-015ADUP** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123438**
Client ID: **ZZZZZZ** Batch ID: **E10VS210** TestNo: **EPA 8015B(M** Analysis Date: **7/20/2010** SeqNo: **1979421**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	112.466		100.0		112	56	137		0	0	

Sample ID: **112760-001AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg-dry** Prep Date: RunNo: **123438**
Client ID: **ZZZZZZ** Batch ID: **E10VS210** TestNo: **EPA 8015B(M** Analysis Date: **7/20/2010** SeqNo: **1979441**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.837	1.1	5.693	0	32.3	40	121				S
Surr: Bromofluorobenzene (FID)	107.498		113.9		94.4	56	137				

Sample ID: **112760-001AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg-dry** Prep Date: RunNo: **123438**
Client ID: **ZZZZZZ** Batch ID: **E10VS210** TestNo: **EPA 8015B(M** Analysis Date: **7/20/2010** SeqNo: **1979442**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	2.305	1.1	5.693	0	40.5	40	121	1.837	22.6	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **112760-001AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg-dry** Prep Date: RunNo: **123438**
Client ID: **ZZZZZZ** Batch ID: **E10VS210** TestNo: **EPA 8015B(M** Analysis Date: **7/20/2010** SeqNo: **1979442**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	123.044		113.9		108	56	137		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **E100720LCS1** SampType: **LCS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123438**
Client ID: **LCSS** Batch ID: **E10VS210** TestNo: **EPA 8021B** Analysis Date: **7/20/2010** SeqNo: **1979446**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	94.554	5.0	100.0	0	94.6	70	130				
Ethylbenzene	96.098	5.0	100.0	0	96.1	70	130				
m,p-Xylene	196.163	10	200.0	0	98.1	70	130				
Methyl tert-butyl ether	93.693	5.0	100.0	0	93.7	70	130				
o-Xylene	97.968	5.0	100.0	0	98.0	70	130				
Toluene	97.431	5.0	100.0	0	97.4	70	130				
Surr: Bromofluorobenzene (PID)	105.203		100.0		105	64	116				

Sample ID: **E100720MB1** SampType: **MBLK** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123438**
Client ID: **PBS** Batch ID: **E10VS210** TestNo: **EPA 8021B** Analysis Date: **7/20/2010** SeqNo: **1979448**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	101.794		100.0		102	64	116				

Sample ID: **112721-015ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123438**
Client ID: **ZZZZZZ** Batch ID: **E10VS210** TestNo: **EPA 8021B** Analysis Date: **7/20/2010** SeqNo: **1979451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **112721-015ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123438**
Client ID: **ZZZZZZ** Batch ID: **E10VS210** TestNo: **EPA 8021B** Analysis Date: **7/20/2010** SeqNo: **1979451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (PID)	104.635		100.0		105	64	116		0	0	

Sample ID: **112760-001AMSD** SampType: **MSD** TestCode: **8021_S_BTE** Units: **µg/Kg-dry** Prep Date: RunNo: **123438**
Client ID: **ZZZZZZ** Batch ID: **E10VS210** TestNo: **EPA 8021B** Analysis Date: **7/20/2010** SeqNo: **1979460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	28.336	5.7	25.22	0	112	41	112				S
Ethylbenzene	23.642	5.7	48.17	0	49.1	26	100				
m,p-Xylene	82.317	11	205.2	0	40.1	32	106				
Methyl tert-butyl ether	383.033	5.7	659.2	0	58.1	44	124				
o-Xylene	30.190	5.7	73.79	0	40.9	30	100				
Toluene	104.376	5.7	196.6	0	53.1	38	112				
Surr: Bromofluorobenzene (PID)	113.339		113.9		99.5	64	116				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112713-046ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123405**
Client ID: **BD1-RW3 4** Batch ID: **R123405** TestNo: **EPA 9045C** Analysis Date: **7/20/2010** SeqNo: **1978862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.280	0.10						8.110	2.07	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112714-003ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123493**
Client ID: **ZZZZZZ** Batch ID: **R123493** TestNo: **EPA 9045C** Analysis Date: **7/20/2010** SeqNo: **1981041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.230	0.10						8.400	2.04	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CHAIN OF CUSTODY RECORD

ATL

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: Quote #:
Logged By: Date: 7/14/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client / ATL; FedEx / OnTrac; GSO; Other: GSO

Sample Condition Upon Receipt: 8.8, 7.0

1. CHILLED (Y) N
2. HEADSPACE (VOA) Y N
3. CONTAINER INTACT (Y) N
4. SEALED Y (N)
5. # OF SPLS MATCH COC (Y) N
6. PRESERVED Y (N)

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CHRIS MERRITT (Signature) SAME

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
CHRIS MERRITT	7-13-10	1645	MIKE	7/14/10	845

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: CM 7-13-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
SELECT 10% @ RANDOM FOR pH ANALYSIS

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~AX1-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~AX2-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~AY1-R (0.5, 1, 2, 3, 4, 6)~~								X						X									
	~~AY2-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~AY3-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
1/2713-1/3	AZ1-RW3 (0.5, 1, 2, [redacted])	7-13-10	0610				X								X									
1 -4/10	AZ2-RW3 (0.5, 1, 2, 3, 4, 6,15)		0630				X								X									
	AZ2-RW3 (15)										X				X		[redacted]							
	AZ2-RW3 (15)							X							X		[redacted]							

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

ATL

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CHRIS MERRITT (Signature) SAME

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-13-10 Time: 1645
Received by: (Signature and Printed Name) Mark Date: 7/14/10 Time: 845

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-13-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE P1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
1127/3-11/16	BA1-RW3 (0.5, 1, 2, 3, 4, 6)	7-13-10	0700				X									X								
	BA1-RW3 (0.5)		" "								X					X								
-17/23	BA2-RW3 (0.5, 1, 2, 3, 4, 6, 8)		0720				X									X								
-24/28	BB1-RW3 (0.5, 1, 2, 3, 4, [illegible])		0745							X						X								
-29/33	BB2-RW3 (0.5, 1, [illegible], 16)		0755				X									X								
	~~BB2-RW3 (16)~~											X				X		X						
	~~BB2-RW3 (16)~~							X								X		X						
-31/36	BC1-RW3 (0.5, 1, 2, 3, 4, 6)		0815				X									X								
-37/39	BC2-RW3 (0.5, 1, 2, [illegible])		[illegible]				X									X								

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

ATL

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CHRIS MERRITT
(Signature) SAME

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-13-10 Time: 1645
Received by: (Signature and Printed Name) [illegible] Date: 7/14/10 Time: 845

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: CM 7-13-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE P1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
1/2713-40/41	BC3-RW3 (0.5, 1, [redacted])	7-13-10	0840				X									X								
	~~BC3-RW3 (20)~~											X				X		X						
	~~BC3-RW3 (20)~~							X								X		X						
-42/43	BD1-RW3 (0.5, 1, 2, 3, 4, 6)	7-13-10	0900				X									X								
-48/52	BD2-RW3 (0.5, 1, 2, 3, 4, [redacted])		0930				X									X								
-53/58	BE1-RW3 (0.5, 1, 2, 3, [redacted])		1020				X									X								
	BE1-RW3 (0.5)										X					X								
-57/62	BE2-RW3 (0.5, 1, 2, 3, 4, 6)		1000							X						X								

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

ATL

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client ATL
FedEx OnTrac
GSO
Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CHRIS MERRITT
(Signature) SAME

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-13-10 Time: 1645
Received by: (Signature and Printed Name) [illegible] Date: 7/14/10 Time: 8:45

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-13-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
SEE P1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
12713-63/64	BE3-RW3 (0.5, 1, 2, 8, 9, 10, 14)	7-13-10	1030				X								X									
	~~BE3-RW3 (14)~~										X				X		X							
	~~BE3-RW3 (14)~~							X							X		X							
-65/70	BF1-RW3 (0.5, 1, 2, 3, 4, 6)		1110				X								X									
-71/77	BF2-RW3 (0.5, 1, 2, 3, 4, 6, 18)		1045							X					X									
-78/83	BG1-RW3 (0.5, 1, 2, 3, 4, 6)		1130				X								X									
	~~BG2-RW3 (0.5, 1, 2, 3, 4, 6)~~		1145				X								X									
-84/87	BG3-RW3 (0.5, 1, 2, 3, 8, 14)		1145				X								X									
	~~BG3-RW3 (14)~~										X				X		X							
	~~BG3-RW3 (14)~~							X							X		X							

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

ATL

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport
Client — ATL
FedEx — OnTrac
GSO
Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CHRIS MERRITT (Signature) SAME

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-13-10 Time: 1645
Received by: (Signature and Printed Name) Mango Date: 7/14/10 Time: 845

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: CM 7-13-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE P1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
1/127/13-88/93	BH1-R (0.5, 1, 2, 3, 4, 6)	7-13-10	1215							X					X									
-94/99	BH2-R (0.5, 1, 2, 3, 4, 6)		1230				X								X									
-100/105	BI1-R (0.5, 1, 2, 3, 4, 6)		1245				X								X									
	BI1-R (0.5)		" "								X				X									
-106/111	BI2-R (0.5, 1, 2, 3, 4, 6)		1300				X								X									
-112/117	BI3-R (0.5, 1, 2, 3, 4, 6)		1315				X								X									
	~~BJ1-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BJ2-R (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BK1-RW4 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BK2-RW4 (0.5, 1, 2, 3, 4, 6)~~									X					X									

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

August 13, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112713

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 14, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112713

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112713-004A, 112713-031A, 112713-040A, 112713-042A, 112713-043A and 112713-106A, due to sample matrix.Dilution was necessary due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/13/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-004A	AZ2-RW3 0.5	25	mg/L	65864	2.5	10	7/13/2010	7/28/2010
112713-005A	AZ2-RW3 1	5.7	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-012A	BA1-RW3 1	2.8	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-017A	BA2-RW3 0.5	2.2	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-025A	BB1-RW3 1	4.9	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-031A	BC1-RW3 0.5	9.7	mg/L	65864	0.50	2	7/13/2010	7/28/2010
112713-032A	BC1-RW3 1	2.6	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-040A	BC3-RW3 0.5	13	mg/L	65864	0.50	2	7/13/2010	7/28/2010
112713-042A	BD1-RW3 0.5	21	mg/L	65864	2.5	10	7/13/2010	7/28/2010
112713-043A	BD1-RW3 1	12	mg/L	65864	0.50	2	7/13/2010	7/28/2010
112713-055A	BE1-RW3 2	1.7	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-056A	BE1-RW3 3	ND	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-064A	BE3-RW3 1	0.69	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-068A	BF1-RW3 3	ND	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-084A	BG3-RW3 0.5	5.5	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-089A	BH1-R 1	4.8	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-094A	BH2-R 0.5	5.2	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-106A	BI2-R 0.5	12	mg/L	65864	0.50	2	7/13/2010	7/28/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/13/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-112A	BI3-R 0.5	3.9	mg/L	65864	0.25	1	7/13/2010	7/28/2010
112713-113A	BI3-R 1	4.3	mg/L	65864	0.25	1	7/13/2010	7/28/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65864A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123733**
Client ID: **PBS** Batch ID: **65864** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65864** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123733**
Client ID: **LCSS** Batch ID: **65864** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.097	0.25	5.000	0	102	80	120				

Sample ID: **112713-043A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123733**
Client ID: **BD1-RW3 1** Batch ID: **65864** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985971**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.586	0.50						11.62	0.277	20	

Sample ID: **112713-043A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123733**
Client ID: **BD1-RW3 1** Batch ID: **65864** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985972**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.656	0.50	5.000	11.62	101	80	120				

Sample ID: **MB-65864B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123733**
Client ID: **PBS** Batch ID: **65864** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112713-113A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123733**
Client ID: **BI3-R 1** Batch ID: **65864** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.403	0.25						4.335	1.57	20	

Sample ID: **112713-113A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123733**
Client ID: **BI3-R 1** Batch ID: **65864** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.783	0.50	5.000	4.335	109	80	120				

Sample ID: **112713-113A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123733**
Client ID: **BI3-R 1** Batch ID: **65864** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.842	0.50	5.000	4.335	110	80	120	9.783	0.606	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Friday, August 06, 2010 3:54 PM
To: Diane Galvan
Cc: 'David Watts'; 'Rick Day (Geocon)'
Subject: FW: more labs from Altamont (112713 and 112751)

Hi Diane. Please analyze the following samples for Pb WET. Have a good weekend!
-Lauren

WO 112713
AZ2-RW3 0.5
AZ2-RW3 1
BA1-RW3 1
BA2-RW3 0.5
BB1-RW3 1
BC1-RW3 0.5
BC1-RW3 1
BC3-RW3 0.5
BD1-RW3 0.5
BD1-RW3 1
BE1-RW3 2
BE1-RW3 3
BE3-RW3 1
BF1-RW3 3
BG3-RW3 0.5
BH1-R 1
BH2-R 0.5
BI2-R 0.5
BI3-R 0.5
BI3-R 1

WO112751
BJ2-R 0.5
BL1-RW4 0.5
BL2-RW4 0.5
BM1-RW8 0.5
BM2-RW8 0.5
BM2-RW8 2
BM3-RW8 1
BM3-RW8 2
BM3-RW8 3
BN2-RW8 0.5
BN2-RW8 1
BN2-RW8 2
BN2-RW8 3
BN2-RW8 4
BO2-RW8 1
BO2-RW8 2
BO2-RW8 3
BO2-RW8 4
BO3-RW8 0.5
BO3-RW8 1
BP2-RW8 0.5
BP2-RW8 1
BP2-RW8 2
BP2-RW8 3
BP2-RW8 4

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 321-3291

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank Bakersfield Sacramento Livermore Carson City Portland

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September 02, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112713

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 14, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: 9/2/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112713
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/14/2010 8:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112713-004A	AZ2-RW3 0.5	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010
112713-005A	AZ2-RW3 1	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010
112713-031A	BC1-RW3 0.5	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010
112713-040A	BC3-RW3 0.5	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010
112713-042A	BD1-RW3 0.5	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010
112713-043A	BD1-RW3 1	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010
112713-084A	BG3-RW3 0.5	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010
112713-094A	BH2-R 0.5	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010
112713-106A	BI2-R 0.5	ND	mg/L	66503	0.25	1	7/13/2010	9/1/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-66503A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **PBS** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003265**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66503** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **LCSS** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003266**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.215	0.25	5.000	0	104	80	120				

Sample ID: **112751-031A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **ZZZZZZ** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003277**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112751-031A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **ZZZZZZ** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.596	0.25	5.000	0	112	70	130				

Sample ID: **MB-66503B** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **PBS** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003279**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112713
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **112751-062A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **ZZZZZZ** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003290**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112751-062A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **ZZZZZZ** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.544	0.25	5.000	0	111	70	130				

Sample ID: **112751-062A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **ZZZZZZ** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.548	0.25	5.000	0	111	70	130	5.544	0.0811	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Thursday, August 26, 2010 9:20 AM
To: Diane Galvan
Subject: I-580 Truck Climbing lane

Hi Diane:
Please run the following samples for DI-WET lead, standard TAT. Thanks!
WO 112713: AZ2-RW3 0.5, AZ2-RW3 1, BC1-RW3 0.5, BC3-RW3 0.5, BD1-RW3 0.5, BD1-RW3 1, BG3-RW3 0.5, BH2-R 0.5, BI2-R 0.5
WO112751: BL1-RW4 0.5, BM1-RW8 0.5, BM2-RW8 0.5, BM2-RW8 1, BM2-RW8 2, BM3-RW8 0.5, BM3-RW8 1, BM3-RW8 2,
BM3-RW8 3, BN2-RW8 0.5, BN2-RW8 1, BN2-RW8 2, BN2-RW8 3, BN2-RW8 4, BO2-RW8 4, BO3-RW8 0.5, BO3-RW8 1, BP2-RW8 2, BP2-RW8 3

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
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GEOCON

GEOTECHNICAL ENVIRONMENTAL MATERIALS

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July 22, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112751

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 15, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112751

CASE NARRATIVE

Sample Receiving / General Comments

Sample BK2-RW4 6 was listed on the Chain of Custody (COC), but was not received by the laboratory. The client was notified on 07/19/10.

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112751-035AMS, 112751-093AMS and 112751-093AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112751-002ADUP, 112751-035ADUP, 112751-035AMSD, 112751-044ADUP, 112751-079ADUP, 112751-089ADUP, 112751-094ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-001A	BJ1-R 0.5	15	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-002A	BJ1-R 1	30	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-003A	BJ1-R 2	ND	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-004A	BJ1-R 3	5.3	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-005A	BJ1-R 4	7.7	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-006A	BJ1-R 6	21	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-007A	BJ2-R 0.5	120	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-008A	BJ2-R 1	27	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-009A	BJ2-R 2	8.0	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-010A	BJ2-R 3	7.6	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-011A	BJ2-R 4	7.7	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-012A	BJ2-R 6	7.5	mg/Kg	65672	5.0	1	7/14/2010	7/21/2010
112751-013A	BK1-RW4 0.5	44	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-014A	BK1-RW4 1	17	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-015A	BK1-RW4 2	17	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-016A	BK1-RW4 3	ND	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-017A	BK1-RW4 4	5.8	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-018A	BK1-RW4 6	7.9	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-025A	BK3-RW4 0.5	20	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-026A	BK3-RW4 1	18	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-027A	BK3-RW4 2	19	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-028A	BK3-RW4 3	11	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-029A	BK3-RW4 4	13	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-030A	BK3-RW4 4.5	12	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-037A	BL2-RW4 0.5	54	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-038A	BL2-RW4 1	47	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-039A	BL2-RW4 2	8.8	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-040A	BL2-RW4 3	8.1	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-041A	BL2-RW4 4	8.9	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-042A	BL2-RW4 6	5.6	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-043A	BM1-RW8 0.5	82	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-044A	BM1-RW8 1	25	mg/Kg	65673	5.0	1	7/14/2010	7/21/2010
112751-045A	BM1-RW8 2	ND	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-046A	BM1-RW8 3	23	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-047A	BM1-RW8 4	5.7	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-048A	BM1-RW8 6	6.9	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-049A	BM2-RW8 0.5	220	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-050A	BM2-RW8 1	1100	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-051A	BM2-RW8 2	84	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-052A	BM3-RW8 0.5	690	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-053A	BM3-RW8 1	440	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-054A	BM3-RW8 2	410	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-055A	BM3-RW8 3	130	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-061A	BN2-RW8 0.5	220	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-062A	BN2-RW8 1	320	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-063A	BN2-RW8 2	200	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-064A	BN2-RW8 3	190	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-065A	BN2-RW8 4	300	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-066A	BO1-RW8 0.5	ND	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-067A	BO1-RW8 1	ND	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-068A	BO1-RW8 2	28	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-069A	BO1-RW8 3	16	mg/Kg	65674	5.0	1	7/14/2010	7/21/2010
112751-070A	BO1-RW8 4	ND	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-071A	BO1-RW8 6	14	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: 7/22/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-072A	BO1-RW8 9	12	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-073A	BO2-RW8 0.5	34	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-074A	BO2-RW8 1	52	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-075A	BO2-RW8 2	100	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-076A	BO2-RW8 3	50	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-077A	BO2-RW8 4	170	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-078A	BO3-RW8 0.5	120	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-079A	BO3-RW8 1	170	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-080A	BO3-RW8 2	25	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-081A	BO3-RW8 3	22	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-082A	BO3-RW8 4	9.6	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-083A	BP1-RW8 0.5	9.9	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-084A	BP1-RW8 1	ND	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-085A	BP1-RW8 2	6.1	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-086A	BP1-RW8 3	5.4	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-087A	BP1-RW8 4	9.4	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-088A	BP1-RW8 6	7.5	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010
112751-089A	BP1-RW8 9	8.3	mg/Kg	65675	5.0	1	7/14/2010	7/21/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/22/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-043A	BM1-RW8 0.5	ND	mg/Kg	65719	0.10	1	7/14/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/22/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-010A	BJ2-R 3	8.2	pH Units	R123499	0.10	1	7/14/2010	7/21/2010
112751-020A	BK2-RW4 1	8.2	pH Units	R123499	0.10	1	7/14/2010	7/21/2010
112751-030A	BK3-RW4 4.5	8.4	pH Units	R123499	0.10	1	7/14/2010	7/21/2010
112751-040A	BL2-RW4 3	8.2	pH Units	R123499	0.10	1	7/14/2010	7/21/2010
112751-050A	BM2-RW8 1	8.2	pH Units	R123499	0.10	1	7/14/2010	7/21/2010
112751-060A	BN1-RW8 4	10	pH Units	R123499	0.10	1	7/14/2010	7/21/2010
112751-070A	BO1-RW8 4	7.3	pH Units	R123522	0.10	1	7/14/2010	7/21/2010
112751-080A	BO3-RW8 2	8.0	pH Units	R123522	0.10	1	7/14/2010	7/21/2010
112751-090A	BP2-RW8 0.5	7.6	pH Units	R123522	0.10	1	7/14/2010	7/21/2010
112751-094A	BP2-RW8 4	8.2	pH Units	R123522	0.10	1	7/14/2010	7/21/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BK2-RW4 0.5
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-019A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:16 AM
Arsenic	7.7	1.0		mg/Kg	1	7/21/2010 09:16 AM
Barium	140	1.0		mg/Kg	1	7/21/2010 09:16 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:16 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:16 AM
Chromium	30	1.0		mg/Kg	1	7/21/2010 09:16 AM
Cobalt	16	1.0		mg/Kg	1	7/21/2010 09:16 AM
Copper	51	2.0		mg/Kg	1	7/21/2010 09:16 AM
Lead	25	1.0		mg/Kg	1	7/21/2010 09:16 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:16 AM
Nickel	41	1.0		mg/Kg	1	7/21/2010 09:16 AM
Selenium	1.0	1.0		mg/Kg	1	7/21/2010 09:16 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:16 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:16 AM
Vanadium	38	1.0		mg/Kg	1	7/21/2010 09:16 AM
Zinc	130	1.0		mg/Kg	1	7/21/2010 09:16 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 03:56 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BK2-RW4 1
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-020A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:18 AM
Arsenic	12	1.0		mg/Kg	1	7/21/2010 09:18 AM
Barium	160	1.0		mg/Kg	1	7/21/2010 09:18 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:18 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:18 AM
Chromium	25	1.0		mg/Kg	1	7/21/2010 09:18 AM
Cobalt	18	1.0		mg/Kg	1	7/21/2010 09:18 AM
Copper	34	2.0		mg/Kg	1	7/21/2010 09:18 AM
Lead	8.9	1.0		mg/Kg	1	7/21/2010 09:18 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:18 AM
Nickel	44	1.0		mg/Kg	1	7/21/2010 09:18 AM
Selenium	1.4	1.0		mg/Kg	1	7/21/2010 09:18 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:18 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:18 AM
Vanadium	36	1.0		mg/Kg	1	7/21/2010 09:18 AM
Zinc	87	1.0		mg/Kg	1	7/21/2010 09:18 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 03:58 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BK2-RW4 2
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-021A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:20 AM
Arsenic	8.2	1.0		mg/Kg	1	7/21/2010 09:20 AM
Barium	210	1.0		mg/Kg	1	7/21/2010 09:20 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:20 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:20 AM
Chromium	24	1.0		mg/Kg	1	7/21/2010 09:20 AM
Cobalt	14	1.0		mg/Kg	1	7/21/2010 09:20 AM
Copper	35	2.0		mg/Kg	1	7/21/2010 09:20 AM
Lead	9.6	1.0		mg/Kg	1	7/21/2010 09:20 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:20 AM
Nickel	41	1.0		mg/Kg	1	7/21/2010 09:20 AM
Selenium	2.1	1.0		mg/Kg	1	7/21/2010 09:20 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:20 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:20 AM
Vanadium	33	1.0		mg/Kg	1	7/21/2010 09:20 AM
Zinc	81	1.0		mg/Kg	1	7/21/2010 09:20 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BK2-RW4 3
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-022A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:22 AM
Arsenic	5.7	1.0		mg/Kg	1	7/21/2010 09:22 AM
Barium	120	1.0		mg/Kg	1	7/21/2010 09:22 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:22 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:22 AM
Chromium	28	1.0		mg/Kg	1	7/21/2010 09:22 AM
Cobalt	9.8	1.0		mg/Kg	1	7/21/2010 09:22 AM
Copper	30	2.0		mg/Kg	1	7/21/2010 09:22 AM
Lead	22	1.0		mg/Kg	1	7/21/2010 09:22 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:22 AM
Nickel	45	1.0		mg/Kg	1	7/21/2010 09:22 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:22 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:22 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:22 AM
Vanadium	32	1.0		mg/Kg	1	7/21/2010 09:22 AM
Zinc	80	1.0		mg/Kg	1	7/21/2010 09:22 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	0.76	0.10		mg/Kg	1	7/20/2010 04:07 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BK2-RW4 4
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-023A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:24 AM
Arsenic	5.0	1.0		mg/Kg	1	7/21/2010 09:24 AM
Barium	170	1.0		mg/Kg	1	7/21/2010 09:24 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:24 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:24 AM
Chromium	26	1.0		mg/Kg	1	7/21/2010 09:24 AM
Cobalt	12	1.0		mg/Kg	1	7/21/2010 09:24 AM
Copper	38	2.0		mg/Kg	1	7/21/2010 09:24 AM
Lead	9.1	1.0		mg/Kg	1	7/21/2010 09:24 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:24 AM
Nickel	27	1.0		mg/Kg	1	7/21/2010 09:24 AM
Selenium	1.3	1.0		mg/Kg	1	7/21/2010 09:24 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:24 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:24 AM
Vanadium	38	1.0		mg/Kg	1	7/21/2010 09:24 AM
Zinc	93	1.0		mg/Kg	1	7/21/2010 09:24 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:09 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BL1-RW4 0.5
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-031A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:27 AM
Arsenic	3.1	1.0		mg/Kg	1	7/21/2010 09:27 AM
Barium	81	1.0		mg/Kg	1	7/21/2010 09:27 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:27 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:27 AM
Chromium	21	1.0		mg/Kg	1	7/21/2010 09:27 AM
Cobalt	5.9	1.0		mg/Kg	1	7/21/2010 09:27 AM
Copper	28	2.0		mg/Kg	1	7/21/2010 09:27 AM
Lead	150	1.0		mg/Kg	1	7/21/2010 09:27 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:27 AM
Nickel	32	1.0		mg/Kg	1	7/21/2010 09:27 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:27 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:27 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:27 AM
Vanadium	29	1.0		mg/Kg	1	7/21/2010 09:27 AM
Zinc	65	1.0		mg/Kg	1	7/21/2010 09:27 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/20/2010 04:11 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BL1-RW4 1
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-032A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:29 AM
Arsenic	2.4	1.0		mg/Kg	1	7/21/2010 09:29 AM
Barium	62	1.0		mg/Kg	1	7/21/2010 09:29 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:29 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:29 AM
Chromium	20	1.0		mg/Kg	1	7/21/2010 09:29 AM
Cobalt	5.4	1.0		mg/Kg	1	7/21/2010 09:29 AM
Copper	14	2.0		mg/Kg	1	7/21/2010 09:29 AM
Lead	5.0	1.0		mg/Kg	1	7/21/2010 09:29 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:29 AM
Nickel	36	1.0		mg/Kg	1	7/21/2010 09:29 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:29 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:29 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:29 AM
Vanadium	26	1.0		mg/Kg	1	7/21/2010 09:29 AM
Zinc	24	1.0		mg/Kg	1	7/21/2010 09:29 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BL1-RW4 2
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-033A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:30 AM
Arsenic	3.7	1.0		mg/Kg	1	7/21/2010 09:30 AM
Barium	98	1.0		mg/Kg	1	7/21/2010 09:30 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:30 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:30 AM
Chromium	28	1.0		mg/Kg	1	7/21/2010 09:30 AM
Cobalt	7.4	1.0		mg/Kg	1	7/21/2010 09:30 AM
Copper	18	2.0		mg/Kg	1	7/21/2010 09:30 AM
Lead	18	1.0		mg/Kg	1	7/21/2010 09:30 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:30 AM
Nickel	39	1.0		mg/Kg	1	7/21/2010 09:30 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:30 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:30 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:30 AM
Vanadium	42	1.0		mg/Kg	1	7/21/2010 09:30 AM
Zinc	39	1.0		mg/Kg	1	7/21/2010 09:30 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BL1-RW4 3
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-034A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:32 AM
Arsenic	8.5	1.0		mg/Kg	1	7/21/2010 09:32 AM
Barium	110	1.0		mg/Kg	1	7/21/2010 09:32 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:32 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:32 AM
Chromium	29	1.0		mg/Kg	1	7/21/2010 09:32 AM
Cobalt	14	1.0		mg/Kg	1	7/21/2010 09:32 AM
Copper	36	2.0		mg/Kg	1	7/21/2010 09:32 AM
Lead	8.4	1.0		mg/Kg	1	7/21/2010 09:32 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:32 AM
Nickel	33	1.0		mg/Kg	1	7/21/2010 09:32 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:32 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:32 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:32 AM
Vanadium	51	1.0		mg/Kg	1	7/21/2010 09:32 AM
Zinc	76	1.0		mg/Kg	1	7/21/2010 09:32 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	0.10	0.10		mg/Kg	1	7/20/2010 04:17 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BL1-RW4 4
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-035A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721B	QC Batch: 65663			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:34 AM
Arsenic	9.3	1.0		mg/Kg	1	7/21/2010 09:34 AM
Barium	130	1.0		mg/Kg	1	7/21/2010 09:34 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:34 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:34 AM
Chromium	27	1.0		mg/Kg	1	7/21/2010 09:34 AM
Cobalt	11	1.0		mg/Kg	1	7/21/2010 09:34 AM
Copper	35	2.0		mg/Kg	1	7/21/2010 09:34 AM
Lead	9.2	1.0		mg/Kg	1	7/21/2010 09:34 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:34 AM
Nickel	32	1.0		mg/Kg	1	7/21/2010 09:34 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:34 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:34 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:34 AM
Vanadium	39	1.0		mg/Kg	1	7/21/2010 09:34 AM
Zinc	70	1.0		mg/Kg	1	7/21/2010 09:34 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720J	QC Batch: 65661			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 03:52 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BL1-RW4 6
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-036A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:50 AM
Arsenic	9.8	1.0		mg/Kg	1	7/21/2010 09:50 AM
Barium	220	1.0		mg/Kg	1	7/21/2010 09:50 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:50 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:50 AM
Chromium	28	1.0		mg/Kg	1	7/21/2010 09:50 AM
Cobalt	20	1.0		mg/Kg	1	7/21/2010 09:50 AM
Copper	44	2.0		mg/Kg	1	7/21/2010 09:50 AM
Lead	11	1.0		mg/Kg	1	7/21/2010 09:50 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:50 AM
Nickel	41	1.0		mg/Kg	1	7/21/2010 09:50 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:50 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:50 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:50 AM
Vanadium	38	1.0		mg/Kg	1	7/21/2010 09:50 AM
Zinc	91	1.0		mg/Kg	1	7/21/2010 09:50 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BN1-RW8 0.5
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-056A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:52 AM
Arsenic	2.5	1.0		mg/Kg	1	7/21/2010 09:52 AM
Barium	94	1.0		mg/Kg	1	7/21/2010 09:52 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:52 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:52 AM
Chromium	17	1.0		mg/Kg	1	7/21/2010 09:52 AM
Cobalt	4.3	1.0		mg/Kg	1	7/21/2010 09:52 AM
Copper	11	2.0		mg/Kg	1	7/21/2010 09:52 AM
Lead	2.9	1.0		mg/Kg	1	7/21/2010 09:52 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:52 AM
Nickel	25	1.0		mg/Kg	1	7/21/2010 09:52 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:52 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:52 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:52 AM
Vanadium	19	1.0		mg/Kg	1	7/21/2010 09:52 AM
Zinc	24	1.0		mg/Kg	1	7/21/2010 09:52 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:43 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BN1-RW8 1
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-057A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:54 AM
Arsenic	2.9	1.0		mg/Kg	1	7/21/2010 09:54 AM
Barium	92	1.0		mg/Kg	1	7/21/2010 09:54 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:54 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:54 AM
Chromium	23	1.0		mg/Kg	1	7/21/2010 09:54 AM
Cobalt	4.5	1.0		mg/Kg	1	7/21/2010 09:54 AM
Copper	11	2.0		mg/Kg	1	7/21/2010 09:54 AM
Lead	3.5	1.0		mg/Kg	1	7/21/2010 09:54 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:54 AM
Nickel	29	1.0		mg/Kg	1	7/21/2010 09:54 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:54 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:54 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:54 AM
Vanadium	23	1.0		mg/Kg	1	7/21/2010 09:54 AM
Zinc	23	1.0		mg/Kg	1	7/21/2010 09:54 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:45 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BN1-RW8 2
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-058A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:56 AM
Arsenic	2.8	1.0		mg/Kg	1	7/21/2010 09:56 AM
Barium	83	1.0		mg/Kg	1	7/21/2010 09:56 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:56 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:56 AM
Chromium	8.9	1.0		mg/Kg	1	7/21/2010 09:56 AM
Cobalt	7.3	1.0		mg/Kg	1	7/21/2010 09:56 AM
Copper	17	2.0		mg/Kg	1	7/21/2010 09:56 AM
Lead	3.7	1.0		mg/Kg	1	7/21/2010 09:56 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:56 AM
Nickel	11	1.0		mg/Kg	1	7/21/2010 09:56 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:56 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:56 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:56 AM
Vanadium	55	1.0		mg/Kg	1	7/21/2010 09:56 AM
Zinc	34	1.0		mg/Kg	1	7/21/2010 09:56 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:47 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BN1-RW8 3
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-059A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 09:58 AM
Arsenic	4.3	1.0		mg/Kg	1	7/21/2010 09:58 AM
Barium	110	1.0		mg/Kg	1	7/21/2010 09:58 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 09:58 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 09:58 AM
Chromium	11	1.0		mg/Kg	1	7/21/2010 09:58 AM
Cobalt	6.4	1.0		mg/Kg	1	7/21/2010 09:58 AM
Copper	19	2.0		mg/Kg	1	7/21/2010 09:58 AM
Lead	3.4	1.0		mg/Kg	1	7/21/2010 09:58 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 09:58 AM
Nickel	12	1.0		mg/Kg	1	7/21/2010 09:58 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 09:58 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 09:58 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 09:58 AM
Vanadium	110	1.0		mg/Kg	1	7/21/2010 09:58 AM
Zinc	37	1.0		mg/Kg	1	7/21/2010 09:58 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:49 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BN1-RW8 4
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-060A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 10:05 AM
Arsenic	4.1	1.0		mg/Kg	1	7/21/2010 10:05 AM
Barium	120	1.0		mg/Kg	1	7/21/2010 10:05 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 10:05 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 10:05 AM
Chromium	14	1.0		mg/Kg	1	7/21/2010 10:05 AM
Cobalt	6.9	1.0		mg/Kg	1	7/21/2010 10:05 AM
Copper	18	2.0		mg/Kg	1	7/21/2010 10:05 AM
Lead	5.4	1.0		mg/Kg	1	7/21/2010 10:05 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 10:05 AM
Nickel	13	1.0		mg/Kg	1	7/21/2010 10:05 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 10:05 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 10:05 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 10:05 AM
Vanadium	120	1.0		mg/Kg	1	7/21/2010 10:05 AM
Zinc	37	1.0		mg/Kg	1	7/21/2010 10:05 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:51 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BP2-RW8 0.5
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-090A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 10:07 AM
Arsenic	9.9	1.0		mg/Kg	1	7/21/2010 10:07 AM
Barium	250	1.0		mg/Kg	1	7/21/2010 10:07 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 10:07 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 10:07 AM
Chromium	37	1.0		mg/Kg	1	7/21/2010 10:07 AM
Cobalt	10	1.0		mg/Kg	1	7/21/2010 10:07 AM
Copper	76	2.0		mg/Kg	1	7/21/2010 10:07 AM
Lead	76	1.0		mg/Kg	1	7/21/2010 10:07 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 10:07 AM
Nickel	41	1.0		mg/Kg	1	7/21/2010 10:07 AM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 10:07 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 10:07 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 10:07 AM
Vanadium	45	1.0		mg/Kg	1	7/21/2010 10:07 AM
Zinc	290	1.0		mg/Kg	1	7/21/2010 10:07 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 05:38 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BP2-RW8 1
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-091A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 10:09 AM
Arsenic	10	1.0		mg/Kg	1	7/21/2010 10:09 AM
Barium	160	1.0		mg/Kg	1	7/21/2010 10:09 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 10:09 AM
Cadmium	2.0	1.0		mg/Kg	1	7/21/2010 10:09 AM
Chromium	32	1.0		mg/Kg	1	7/21/2010 10:09 AM
Cobalt	17	1.0		mg/Kg	1	7/21/2010 10:09 AM
Copper	51	2.0		mg/Kg	1	7/21/2010 10:09 AM
Lead	53	1.0		mg/Kg	1	7/21/2010 10:09 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 10:09 AM
Nickel	46	1.0		mg/Kg	1	7/21/2010 10:09 AM
Selenium	1.5	1.0		mg/Kg	1	7/21/2010 10:09 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 10:09 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 10:09 AM
Vanadium	44	1.0		mg/Kg	1	7/21/2010 10:09 AM
Zinc	150	1.0		mg/Kg	1	7/21/2010 10:09 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 05:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BP2-RW8 2
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-092A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 10:11 AM
Arsenic	6.5	1.0		mg/Kg	1	7/21/2010 10:11 AM
Barium	830	1.0		mg/Kg	1	7/21/2010 10:11 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 10:11 AM
Cadmium	4.5	1.0		mg/Kg	1	7/21/2010 10:11 AM
Chromium	22	1.0		mg/Kg	1	7/21/2010 10:11 AM
Cobalt	14	1.0		mg/Kg	1	7/21/2010 10:11 AM
Copper	34	2.0		mg/Kg	1	7/21/2010 10:11 AM
Lead	200	1.0		mg/Kg	1	7/21/2010 10:11 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 10:11 AM
Nickel	43	1.0		mg/Kg	1	7/21/2010 10:11 AM
Selenium	5.1	1.0		mg/Kg	1	7/21/2010 10:11 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 10:11 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 10:11 AM
Vanadium	60	1.0		mg/Kg	1	7/21/2010 10:11 AM
Zinc	77	1.0		mg/Kg	1	7/21/2010 10:11 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 05:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BP2-RW8 3
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-093A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721C	QC Batch: 65664			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 10:13 AM
Arsenic	7.8	1.0		mg/Kg	1	7/21/2010 10:13 AM
Barium	180	1.0		mg/Kg	1	7/21/2010 10:13 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 10:13 AM
Cadmium	2.3	1.0		mg/Kg	1	7/21/2010 10:13 AM
Chromium	30	1.0		mg/Kg	1	7/21/2010 10:13 AM
Cobalt	13	1.0		mg/Kg	1	7/21/2010 10:13 AM
Copper	51	2.0		mg/Kg	1	7/21/2010 10:13 AM
Lead	270	1.0		mg/Kg	1	7/21/2010 10:13 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 10:13 AM
Nickel	38	1.0		mg/Kg	1	7/21/2010 10:13 AM
Selenium	1.3	1.0		mg/Kg	1	7/21/2010 10:13 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 10:13 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 10:13 AM
Vanadium	50	1.0		mg/Kg	1	7/21/2010 10:13 AM
Zinc	190	1.0		mg/Kg	1	7/21/2010 10:13 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720K	QC Batch: 65662			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 04:36 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *22-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BP2-RW8 4
Lab Order:	112751	**Collection Date:**	7/14/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112751-094A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100721A	QC Batch: 65669			PrepDate:	7/20/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 08:56 AM
Arsenic	9.0	1.0		mg/Kg	1	7/21/2010 08:56 AM
Barium	190	1.0		mg/Kg	1	7/21/2010 08:56 AM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 08:56 AM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 08:56 AM
Chromium	32	1.0		mg/Kg	1	7/21/2010 08:56 AM
Cobalt	17	1.0		mg/Kg	1	7/21/2010 08:56 AM
Copper	64	2.0		mg/Kg	1	7/21/2010 08:56 AM
Lead	69	1.0		mg/Kg	1	7/21/2010 08:56 AM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 08:56 AM
Nickel	43	1.0		mg/Kg	1	7/21/2010 08:56 AM
Selenium	1.4	1.0		mg/Kg	1	7/21/2010 08:56 AM
Silver	ND	1.0		mg/Kg	1	7/21/2010 08:56 AM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 08:56 AM
Vanadium	49	1.0		mg/Kg	1	7/21/2010 08:56 AM
Zinc	140	1.0		mg/Kg	1	7/21/2010 08:56 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100720L	QC Batch: 65688			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/20/2010 05:21 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65663** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123444**
Client ID: **PBS** Batch ID: **65663** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.008	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65663** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123444**
Client ID: **LCSS** Batch ID: **65663** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.588	2.0	50.00	0	95.2	80	120				
Arsenic	47.170	1.0	50.00	0	94.3	80	120				
Barium	49.354	1.0	50.00	0	98.7	80	120				
Beryllium	48.871	1.0	50.00	0	97.7	80	120				
Cadmium	47.528	1.0	50.00	0.007518	95.0	80	120				
Chromium	47.661	1.0	50.00	0	95.3	80	120				
Cobalt	48.657	1.0	50.00	0	97.3	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65663** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123444**
Client ID: **LCSS** Batch ID: **65663** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	48.587	2.0	50.00	0	97.2	80	120				
Lead	48.388	1.0	50.00	0	96.8	80	120				
Molybdenum	49.987	1.0	50.00	0	100	80	120				
Nickel	47.510	1.0	50.00	0	95.0	80	120				
Selenium	46.526	1.0	50.00	0	93.1	80	120				
Silver	48.396	1.0	50.00	0	96.8	80	120				
Thallium	47.011	1.0	50.00	0	94.0	80	120				
Vanadium	47.382	1.0	50.00	0	94.8	80	120				
Zinc	47.625	1.0	50.00	0	95.2	80	120				

Sample ID: **112751-035A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123444**
Client ID: **BL1-RW4 4** Batch ID: **65663** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979601**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.583	2.0						0.5440	0	20	
Arsenic	9.090	1.0						9.335	2.66	20	
Barium	113.031	1.0						126.9	11.6	20	
Beryllium	0.300	1.0						0.4213	0	20	
Cadmium	0.188	1.0						0.3026	0	20	
Chromium	30.603	1.0						27.21	11.7	20	
Cobalt	15.393	1.0						11.48	29.1	20	R
Copper	38.153	2.0						35.44	7.37	20	
Lead	10.521	1.0						9.242	12.9	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	33.723	1.0						31.72	6.13	20	
Selenium	0.549	1.0						0.5335	0	20	
Silver	0.186	1.0						0.2989	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	39.043	1.0						39.39	0.881	20	
Zinc	72.460	1.0						69.99	3.47	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112751-035A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123444**
Client ID: **BL1-RW4 4** Batch ID: **65663** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	80.736	2.0	125.0	0.5440	64.2	32	105				
Arsenic	105.916	1.0	125.0	9.335	77.3	49	106				
Barium	298.685	1.0	125.0	126.9	137	31	133				S
Beryllium	102.399	1.0	125.0	0.4213	81.6	56	106				
Cadmium	92.502	1.0	125.0	0.3026	73.8	51	103				
Chromium	125.005	1.0	125.0	27.21	78.2	45	114				
Cobalt	102.848	1.0	125.0	11.48	73.1	52	106				
Copper	135.550	2.0	125.0	35.44	80.1	54	125				
Lead	101.820	1.0	125.0	9.242	74.1	34	126				
Molybdenum	93.127	1.0	125.0	0	74.5	54	106				
Nickel	121.541	1.0	125.0	31.72	71.9	45	111				
Selenium	98.021	1.0	125.0	0.5335	78.0	47	104				
Silver	107.616	1.0	125.0	0.2989	85.9	56	112				
Thallium	88.415	1.0	125.0	0	70.7	46	101				
Vanadium	139.793	1.0	125.0	39.39	80.3	54	114				
Zinc	159.746	1.0	125.0	69.99	71.8	28	125				

Sample ID: **112751-035A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123444**
Client ID: **BL1-RW4 4** Batch ID: **65663** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979603**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	81.294	2.0	125.0	0.5440	64.6	32	105	80.74	0.689	20	
Arsenic	111.154	1.0	125.0	9.335	81.5	49	106	105.9	4.83	20	
Barium	211.464	1.0	125.0	126.9	67.6	31	133	298.7	34.2	20	R
Beryllium	107.793	1.0	125.0	0.4213	85.9	56	106	102.4	5.13	20	
Cadmium	96.659	1.0	125.0	0.3026	77.1	51	103	92.50	4.40	20	
Chromium	130.922	1.0	125.0	27.21	83.0	45	114	125.0	4.62	20	
Cobalt	108.767	1.0	125.0	11.48	77.8	52	106	102.8	5.59	20	
Copper	142.912	2.0	125.0	35.44	86.0	54	125	135.5	5.29	20	
Lead	106.430	1.0	125.0	9.242	77.8	34	126	101.8	4.43	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112751-035A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123444**
Client ID: **BL1-RW4 4** Batch ID: **65663** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979603**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	96.160	1.0	125.0	0	76.9	54	106	93.13	3.20	20	
Nickel	128.719	1.0	125.0	31.72	77.6	45	111	121.5	5.74	20	
Selenium	100.278	1.0	125.0	0.5335	79.8	47	104	98.02	2.28	20	
Silver	111.687	1.0	125.0	0.2989	89.1	56	112	107.6	3.71	20	
Thallium	94.052	1.0	125.0	0	75.2	46	101	88.41	6.18	20	
Vanadium	145.943	1.0	125.0	39.39	85.2	54	114	139.8	4.30	20	
Zinc	164.655	1.0	125.0	69.99	75.7	28	125	159.7	3.03	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65664** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123447**
Client ID: **PBS** Batch ID: **65664** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979633**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.028	1.0									
Chromium	ND	1.0									
Cobalt	0.027	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	0.046	1.0									
Nickel	0.082	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65664** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123447**
Client ID: **LCSS** Batch ID: **65664** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.697	2.0	50.00	0	95.4	80	120				
Arsenic	47.589	1.0	50.00	0	95.2	80	120				
Barium	49.629	1.0	50.00	0	99.3	80	120				
Beryllium	48.764	1.0	50.00	0	97.5	80	120				
Cadmium	47.801	1.0	50.00	0.02839	95.5	80	120				
Chromium	47.870	1.0	50.00	0	95.7	80	120				
Cobalt	48.913	1.0	50.00	0.02674	97.8	80	120				
Copper	48.925	2.0	50.00	0	97.8	80	120				
Lead	49.811	1.0	50.00	0	99.6	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65664** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123447**
Client ID: **LCSS** Batch ID: **65664** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	50.588	1.0	50.00	0.04600	101	80	120				
Nickel	47.990	1.0	50.00	0.08187	95.8	80	120				
Selenium	46.739	1.0	50.00	0	93.5	80	120				
Silver	48.857	1.0	50.00	0	97.7	80	120				
Thallium	47.181	1.0	50.00	0	94.4	80	120				
Vanadium	47.675	1.0	50.00	0	95.3	80	120				
Zinc	47.985	1.0	50.00	0	96.0	80	120				

Sample ID: **112751-093A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123447**
Client ID: **BP2-RW8 3** Batch ID: **65664** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.817	2.0						0.8892	0	20	
Arsenic	7.181	1.0						7.765	7.81	20	
Barium	216.525	1.0						181.4	17.7	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	2.774	1.0						2.287	19.3	20	
Chromium	30.028	1.0						30.45	1.38	20	
Cobalt	12.937	1.0						12.91	0.169	20	
Copper	52.701	2.0						50.71	3.85	20	
Lead	236.134	1.0						274.9	15.2	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	37.798	1.0						38.00	0.527	20	
Selenium	0.962	1.0						1.272	0	20	
Silver	0.296	1.0						0.3675	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	50.216	1.0						50.29	0.144	20	
Zinc	197.432	1.0						186.9	5.49	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112751-093A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123447**
Client ID: **BP2-RW8 3** Batch ID: **65664** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	92.146	2.0	125.0	0.8892	73.0	32	105				
Arsenic	113.596	1.0	125.0	7.765	84.7	49	106				
Barium	279.298	1.0	125.0	181.4	78.3	31	133				
Beryllium	110.838	1.0	125.0	0	88.7	56	106				
Cadmium	102.450	1.0	125.0	2.287	80.1	51	103				
Chromium	136.905	1.0	125.0	30.45	85.2	45	114				
Cobalt	113.101	1.0	125.0	12.91	80.1	52	106				
Copper	164.170	2.0	125.0	50.71	90.8	54	125				
Lead	260.026	1.0	125.0	274.9	-11.9	34	126				S
Molybdenum	101.090	1.0	125.0	0	80.9	54	106				
Nickel	138.239	1.0	125.0	38.00	80.2	45	111				
Selenium	104.895	1.0	125.0	1.272	82.9	47	104				
Silver	113.419	1.0	125.0	0.3675	90.4	56	112				
Thallium	96.187	1.0	125.0	0	76.9	46	101				
Vanadium	159.918	1.0	125.0	50.29	87.7	54	114				
Zinc	276.296	1.0	125.0	186.9	71.5	28	125				

Sample ID: **112751-093A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123447**
Client ID: **BP2-RW8 3** Batch ID: **65664** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979647**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85.697	2.0	125.0	0.8892	67.8	32	105	92.15	7.25	20	
Arsenic	107.557	1.0	125.0	7.765	79.8	49	106	113.6	5.46	20	
Barium	291.027	1.0	125.0	181.4	87.7	31	133	279.3	4.11	20	
Beryllium	104.250	1.0	125.0	0	83.4	56	106	110.8	6.13	20	
Cadmium	97.497	1.0	125.0	2.287	76.2	51	103	102.4	4.95	20	
Chromium	131.644	1.0	125.0	30.45	81.0	45	114	136.9	3.92	20	
Cobalt	107.118	1.0	125.0	12.91	75.4	52	106	113.1	5.43	20	
Copper	158.928	2.0	125.0	50.71	86.6	54	125	164.2	3.24	20	
Lead	239.898	1.0	125.0	274.9	-28.0	34	126	260.0	8.05	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112751-093A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123447**
Client ID: **BP2-RW8 3** Batch ID: **65664** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979647**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	95.043	1.0	125.0	0	76.0	54	106	101.1	6.17	20	
Nickel	133.275	1.0	125.0	38.00	76.2	45	111	138.2	3.66	20	
Selenium	100.017	1.0	125.0	1.272	79.0	47	104	104.9	4.76	20	
Silver	109.110	1.0	125.0	0.3675	87.0	56	112	113.4	3.87	20	
Thallium	90.126	1.0	125.0	0	72.1	46	101	96.19	6.51	20	
Vanadium	155.950	1.0	125.0	50.29	84.5	54	114	159.9	2.51	20	
Zinc	266.676	1.0	125.0	186.9	63.8	28	125	276.3	3.54	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65669**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123440**
Client ID: **PBS**	Batch ID: **65669**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/21/2010**	SeqNo: **1979567**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65669**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123440**
Client ID: **LCSS**	Batch ID: **65669**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/21/2010**	SeqNo: **1979568**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.562	2.0	50.00	0	95.1	80	120				
Arsenic	47.559	1.0	50.00	0	95.1	80	120				
Barium	49.378	1.0	50.00	0	98.8	80	120				
Beryllium	48.775	1.0	50.00	0	97.6	80	120				
Cadmium	47.488	1.0	50.00	0	95.0	80	120				
Chromium	47.917	1.0	50.00	0	95.8	80	120				
Cobalt	48.805	1.0	50.00	0	97.6	80	120				
Copper	48.772	2.0	50.00	0	97.5	80	120				
Lead	48.394	1.0	50.00	0	96.8	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65669** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123440**
Client ID: **LCSS** Batch ID: **65669** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979568**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	50.312	1.0	50.00	0	101	80	120				
Nickel	47.740	1.0	50.00	0	95.5	80	120				
Selenium	46.521	1.0	50.00	0	93.0	80	120				
Silver	48.689	1.0	50.00	0	97.4	80	120				
Thallium	47.107	1.0	50.00	0	94.2	80	120				
Vanadium	47.454	1.0	50.00	0	94.9	80	120				
Zinc	47.577	1.0	50.00	0	95.2	80	120				

Sample ID: **112751-094A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123440**
Client ID: **BP2-RW8 4** Batch ID: **65669** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979570**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.783	2.0						0.7785	0	20	
Arsenic	7.425	1.0						9.005	19.2	20	
Barium	161.076	1.0						185.2	13.9	20	
Beryllium	0.108	1.0						0.1276	0	20	
Cadmium	0.703	1.0						0.8834	0	20	
Chromium	28.393	1.0						32.48	13.4	20	
Copper	55.765	2.0						63.92	13.6	20	
Lead	109.838	1.0						68.59	46.2	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	43.140	1.0						43.02	0.288	20	
Selenium	1.328	1.0						1.422	6.87	20	
Silver	0.438	1.0						0.3134	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	43.178	1.0						48.76	12.1	20	
Zinc	155.278	1.0						142.2	8.77	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112751-094A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123440**
Client ID: **BP2-RW8 4** Batch ID: **65669** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979571**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85.274	2.0	125.0	0.7785	67.6	32	105				
Arsenic	108.798	1.0	125.0	9.005	79.8	49	106				
Barium	288.336	1.0	125.0	185.2	82.5	31	133				
Beryllium	104.821	1.0	125.0	0.1276	83.8	56	106				
Cadmium	94.573	1.0	125.0	0.8834	75.0	51	103				
Chromium	132.883	1.0	125.0	32.48	80.3	45	114				
Cobalt	112.298	1.0	125.0	17.20	76.1	52	106				
Copper	172.598	2.0	125.0	63.92	86.9	54	125				
Lead	175.597	1.0	125.0	68.59	85.6	34	126				
Molybdenum	95.267	1.0	125.0	0	76.2	54	106				
Nickel	148.530	1.0	125.0	43.02	84.4	45	111				
Selenium	99.977	1.0	125.0	1.422	78.8	47	104				
Silver	109.566	1.0	125.0	0.3134	87.4	56	112				
Thallium	88.259	1.0	125.0	0	70.6	46	101				
Vanadium	153.607	1.0	125.0	48.76	83.9	54	114				
Zinc	233.712	1.0	125.0	142.2	73.2	28	125				

Sample ID: **112751-094A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123440**
Client ID: **BP2-RW8 4** Batch ID: **65669** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979572**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.368	2.0	125.0	0.7785	66.1	32	105	85.27	2.26	20	
Arsenic	106.228	1.0	125.0	9.005	77.8	49	106	108.8	2.39	20	
Barium	293.873	1.0	125.0	185.2	86.9	31	133	288.3	1.90	20	
Beryllium	105.555	1.0	125.0	0.1276	84.3	56	106	104.8	0.698	20	
Cadmium	93.348	1.0	125.0	0.8834	74.0	51	103	94.57	1.30	20	
Chromium	130.122	1.0	125.0	32.48	78.1	45	114	132.9	2.10	20	
Cobalt	108.895	1.0	125.0	17.20	73.4	52	106	112.3	3.08	20	
Copper	156.626	2.0	125.0	63.92	74.2	54	125	172.6	9.70	20	
Lead	154.273	1.0	125.0	68.59	68.5	34	126	175.6	12.9	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112751-094A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123440**
Client ID: **BP2-RW8 4** Batch ID: **65669** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979572**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	93.843	1.0	125.0	0	75.1	54	106	95.27	1.51	20	
Nickel	138.442	1.0	125.0	43.02	76.3	45	111	148.5	7.03	20	
Selenium	99.036	1.0	125.0	1.422	78.1	47	104	99.98	0.945	20	
Silver	110.116	1.0	125.0	0.3134	87.8	56	112	109.6	0.501	20	
Thallium	87.716	1.0	125.0	0	70.2	46	101	88.26	0.617	20	
Vanadium	147.643	1.0	125.0	48.76	79.1	54	114	153.6	3.96	20	
Zinc	227.891	1.0	125.0	142.2	68.5	28	125	233.7	2.52	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65672A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123478**
Client ID: **PBS** Batch ID: **65672** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65672** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123478**
Client ID: **LCSS** Batch ID: **65672** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980551**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	268.566	5.0	250.0	0	107	80	120				

Sample ID: **112751-002A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123478**
Client ID: **BJ1-R 1** Batch ID: **65672** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980562**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.505	5.0						30.23	20.9	20	R

Sample ID: **112751-002A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123478**
Client ID: **BJ1-R 1** Batch ID: **65672** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980563**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	223.760	5.0	250.0	30.23	77.4	34	126				

Sample ID: **MB-65672B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123478**
Client ID: **PBS** Batch ID: **65672** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980564**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112751-012A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123478**
Client ID: **BJ2-R 6** Batch ID: **65672** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.287	5.0						7.523	17.9	20	

Sample ID: **112751-012A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123478**
Client ID: **BJ2-R 6** Batch ID: **65672** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	212.286	5.0	250.0	7.523	81.9	34	126				

Sample ID: **112751-012A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123478**
Client ID: **BJ2-R 6** Batch ID: **65672** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.232	5.0	250.0	7.523	80.7	34	126	212.3	1.45	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65673A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123482**
Client ID: **PBS** Batch ID: **65673** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65673** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123482**
Client ID: **LCSS** Batch ID: **65673** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	273.763	5.0	250.0	0	110	80	120				

Sample ID: **112751-028A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123482**
Client ID: **BK3-RW4 3** Batch ID: **65673** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.111	5.0						11.25	15.3	20	

Sample ID: **112751-028A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123482**
Client ID: **BK3-RW4 3** Batch ID: **65673** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	223.724	5.0	250.0	11.25	85.0	34	126				

Sample ID: **MB-65673B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123482**
Client ID: **PBS** Batch ID: **65673** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112751-044A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123482**
Client ID: **BM1-RW8 1** Batch ID: **65673** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.561	5.0						25.38	118	20	R

Sample ID: **112751-044A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123482**
Client ID: **BM1-RW8 1** Batch ID: **65673** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	236.355	5.0	250.0	25.38	84.4	34	126				

Sample ID: **112751-044A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123482**
Client ID: **BM1-RW8 1** Batch ID: **65673** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	224.569	5.0	250.0	25.38	79.7	34	126	236.4	5.11	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65674A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123484**
Client ID: **PBS** Batch ID: **65674** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65674** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123484**
Client ID: **LCSS** Batch ID: **65674** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	279.679	5.0	250.0	0	112	80	120				

Sample ID: **112751-054A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123484**
Client ID: **BM3-RW8 2** Batch ID: **65674** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	457.538	5.0						406.0	11.9	20	

Sample ID: **112751-054A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123484**
Client ID: **BM3-RW8 2** Batch ID: **65674** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	637.090	5.0	250.0	406.0	92.4	34	126				

Sample ID: **MB-65674B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123484**
Client ID: **PBS** Batch ID: **65674** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980764**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112751-069A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123484**
Client ID: **BO1-RW8 3** Batch ID: **65674** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.884	5.0						15.55	4.38	20	

Sample ID: **112751-069A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123484**
Client ID: **BO1-RW8 3** Batch ID: **65674** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980776**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	242.445	5.0	250.0	15.55	90.8	34	126				

Sample ID: **112751-069A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123484**
Client ID: **BO1-RW8 3** Batch ID: **65674** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	243.219	5.0	250.0	15.55	91.1	34	126	242.4	0.319	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65675A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123488**
Client ID: **PBS** Batch ID: **65675** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980822**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65675** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123488**
Client ID: **LCSS** Batch ID: **65675** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	285.957	5.0	250.0	0	114	80	120				

Sample ID: **112751-079A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123488**
Client ID: **BO3-RW8 1** Batch ID: **65675** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	283.668	5.0						174.2	47.8	20	R

Sample ID: **112751-079A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123488**
Client ID: **BO3-RW8 1** Batch ID: **65675** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	402.764	5.0	250.0	174.2	91.4	34	126				

Sample ID: **MB-65675B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123488**
Client ID: **PBS** Batch ID: **65675** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/21/2010** SeqNo: **1980836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112751
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112751-089A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123488**
Client ID: **BP1-RW8 9**	Batch ID: **65675**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/21/2010**	SeqNo: **1980847**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.116	5.0						8.283	29.2	20	R

Sample ID: **112751-089A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123488**
Client ID: **BP1-RW8 9**	Batch ID: **65675**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/21/2010**	SeqNo: **1980848**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.003	5.0	250.0	8.283	78.3	34	126				

Sample ID: **112751-089A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123488**
Client ID: **BP1-RW8 9**	Batch ID: **65675**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/21/2010**	SeqNo: **1980849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	222.532	5.0	250.0	8.283	85.7	34	126	204.0	8.69	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112713-011A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **ZZZZZZ** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.900	0.10	5.000	0	98.0	85	115				

Sample ID: **112713-011A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **ZZZZZZ** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.940	0.10	5.000	0	98.8	85	115	4.900	0.813	20	

Sample ID: **112768-083A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **ZZZZZZ** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979629**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **LCS-65719** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **LCSS** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979630**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.940	0.10	5.000	0	98.8	85	115				

Sample ID: **MB-65719** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **PBS** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65661** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123422**
Client ID: **PBS** Batch ID: **65661** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65661** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123422**
Client ID: **LCSS** Batch ID: **65661** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.912	0.10	0.8300	0	110	80	120				

Sample ID: **112751-035A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123422**
Client ID: **BL1-RW4 4** Batch ID: **65661** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.142	0.10	0.8300	0.08800	127	70	130				

Sample ID: **112751-035A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123422**
Client ID: **BL1-RW4 4** Batch ID: **65661** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.146	0.10	0.8300	0.08800	127	70	130	1.142	0.311	20	

Sample ID: **112751-035A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123422**
Client ID: **BL1-RW4 4** Batch ID: **65661** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.085	0.10						0.08800	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65662** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123426**
Client ID: **PBS** Batch ID: **65662** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65662** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123426**
Client ID: **LCSS** Batch ID: **65662** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.903	0.10	0.8300	0	109	80	120				

Sample ID: **112751-093A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123426**
Client ID: **BP2-RW8 3** Batch ID: **65662** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.908	0.10	0.8300	0.08346	99.3	70	130				

Sample ID: **112751-093A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123426**
Client ID: **BP2-RW8 3** Batch ID: **65662** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.903	0.10	0.8300	0.08346	98.7	70	130	0.9081	0.598	20	

Sample ID: **112751-093A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123426**
Client ID: **BP2-RW8 3** Batch ID: **65662** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979174**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.083	0.10						0.08346	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65688** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123428**
Client ID: **PBS** Batch ID: **65688** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **112751-094A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123428**
Client ID: **BP2-RW8 4** Batch ID: **65688** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.851	0.10	0.8300	0.06744	94.4	70	130				

Sample ID: **112751-094A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123428**
Client ID: **BP2-RW8 4** Batch ID: **65688** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.889	0.10	0.8300	0.06744	99.0	70	130	0.8509	4.38	20	

Sample ID: **LCS-65688** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123428**
Client ID: **LCSS** Batch ID: **65688** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.819	0.10	0.8300	0	98.7	80	120				

Sample ID: **112751-094A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123428**
Client ID: **BP2-RW8 4** Batch ID: **65688** TestNo: **EPA 7471A** Analysis Date: **7/20/2010** SeqNo: **1979195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.068	0.10						0.06744	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112751-050ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123499**
Client ID: **BM2-RW8 1** Batch ID: **R123499** TestNo: **EPA 9045C** Analysis Date: **7/21/2010** SeqNo: **1981140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.650	0.10						8.170	5.71	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112768-054ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123522**
Client ID: **ZZZZZZ** Batch ID: **R123522** TestNo: **EPA 9045C** Analysis Date: **7/21/2010** SeqNo: **1981513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.300	0.10						8.310	0.120	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/16/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client / ATL / FedEx / OnTrac / GSO / Other:

1410

Sample Condition Upon Receipt:
1. CHILLED Y N
2. HEADSPACE (VOA) Y N
3. CONTAINER INTACT Y N
4. SEALED Y N
5. # OF SPLS MATCH COC Y N
6. PRESERVED Y N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Lauren Vigliotti	7/14/10	1300	Marci	7/15/10	849

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: Lauren Vigliotti 7/14/10
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Bay~~
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
10% Randomly select for pH analysis.

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type	TD
	BH1-R (0.5, 1, 2, 3, 4, 6)								X						X										
	~~BH2-R (0.5, 1, 2, 3, 4, 6)~~						X								X										
	BI1-R (0.5, 1, 2, 3, 4, 6)						X								X										
	~~BI1-R (0.5)~~										X				X										
	~~BI2-R (0.5, 1, 2, 3, 4, 6)~~						X								X										
	~~BI3-R (0.5, 1, 2, 3, 4, 6)~~						X								X										
11275	BJ1-R (0.5, 1, 2, 3, 4, 6)	7/14/10	0600				X								X						E	6	T	P	6
-7/17	BJ2-R (0.5, 1, 2, 3, 4, 6)		0615				X								X							6			6
-15/16	BK1-RW4 (0.5, 1, 2, 3, 4, 6)		0635				X								X							6			6
-19/24	BK2-RW4 (0.5, 1, 2, 3, 4, 6)		0630						X						X							5			4

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: E-Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: See page 1 (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/14/10 Time: 1300
Received by: (Signature and Printed Name) Mary Date: 7/15/10 Time: 849

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Lauren Vigliotti 7/14/10
Print Name Date
Lauren Vigliotti
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Bay~~
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See page 1

			DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		TD
11/7751-75/20		BK3-RW4 (0.5, 1, 2, 3, 4, 6, ~~[illegible]~~, 4.5	7/14/10	VAR				X									X						E	6	Bg	P	4.5
		~~BK3-RW4 (18)~~											X				X		X								
		~~BK3-RW4 (18)~~							X								X		X								
-31/26		BL1-RW4 (0.5, 1, 2, 3, 4, 6)	7/14/10	0725							X						X							6	T	P	6
-37/12		BL2-RW4 (0.5, 1, 2, 3, 4, 6, ~~[illegible]~~	7/14/10	0710				X									X							6	T	P	6
		~~BL2-RW4 (15)~~											X				X		X								
		~~BL2-RW4 (15)~~							X								X		X								
-49/48		BM1-RW8 (0.5, 1, 2, 3, 4, 6)	7/14/10	0750				X									X								T/B	P	6
		BM1-RW8 (0.5)	↓	0750							X						X							1	Bg	P	—
-49/51		BM2-RW8 (0.5, 1, 2, ~~3, 4, 6~~)	↓	VAR				X									X						↓	3	Bg	P	—

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: E

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: See page 1 (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/14/10 Time: 1300
Received by: (Signature and Printed Name) Mary Date: 7/15/10 Time: 8:49

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Lauren Vigliotti 7/14/10
Print Name Date
Signature: Lauren Vigliotti

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Day~~
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See page 1

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type			TD
112751-52/55	BM3-RW8 (0.5, 1, 2, 3, ~~4, 6~~)	7/14/10	VAR				X								X							E	4	Bg	P	C	3
-56/60	BN1-RW8 (0.5, 1, 2, 3, 4, ~~6~~)		0830							X					X								5	T	P		4
-61/65	BN2-RW8 (0.5, 1, 2, 3, 4, ~~6, 8~~)		VAR				X								X								5	Bg	P		4
-66/72	BO1-RW8 (0.5, 1, 2, 3, 4, 6) & 9		0900				X								X								7	T	P		9
-73/77	BO2-RW8 (0.5, 1, 2, 3, 4, ~~6, 8~~)		VAR				X								X								5	Bg	P		4
-78/82	BO3-RW8 (0.5, 1, 2, 3, 4, ~~6, 8~~)		VAR				X								X								5	Bg	P		4
-83/89	BP1-RW8 (0.5, 1, 2, 3, 4, 6) & 9		0945				X								X								7	T	P		9
-90/94	BP2-RW8 (0.5, 1, 2, 3, 4, ~~6, 8~~)		VAR							X					X								5	5	G		4

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: E

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

July 30, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112751

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 15, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112751

CASE NARRATIVE

Analytical Comments for Method 7420

RPD for Duplicate (DUP) is outside criteria for sample 112751-050ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/30/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (TCLP)
EPA 1311/ 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-050A	BM2-RW8 1	0.45	mg/L	65958	0.25	1	7/14/2010	7/30/2010
112751-052A	BM3-RW8 0.5	0.41	mg/L	65958	0.25	1	7/14/2010	7/30/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-65958A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987478**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65958** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **LCSS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.043	0.25	1.000	0	104	80	120				

Sample ID: **112751-050A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **BM2-RW8 1** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.368	0.25						0.4539	21.0	20	R

Sample ID: **112751-050A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **BM2-RW8 1** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.162	0.25	2.500	0.4539	108	70	130				

Sample ID: **112934-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **112934-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987494**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.880	0.25	2.500	0	115	70	130				

Sample ID: **112934-001A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **ZZZZZZ** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.865	0.25	2.500	0	115	70	130	2.880	0.522	20	

Sample ID: **MB-65949A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987496**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-65949B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987497**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-65958B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123820**
Client ID: **PBS** Batch ID: **65958** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **7/30/2010** SeqNo: **1987498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Monday, July 26, 2010 10:11 AM
To: Diane Galvan
Cc: 'Rick Day'; 'David Watts'
Subject: FW: Additional Testing - Pb TCLP and DI-WET

Hi Diane:

For the I-580 EB Truck Climbing Lane project, please analyze samples for WET lead with **total lead concentrations between 50 and 500 mg/kg**. This is a revision to the previous instruction to analyze al samples greater than or equal to 50 mg/kg.

Also, below is the list Dave previously sent you for TCLP and DI-WET lead analyses, but I've added the WO #'s for reference. Thanks for your help!
-Lauren

Pb- TCLP:

WO 112631:
AD1-R-1
AE2-R-0.5

WO 112611:
H2-R-3
K1-R-0.5
L2-R-0.5

WO 112751:
BM2-RW8 1
BM3-RW8 0.5

Pb- DI-WET:

WO 112611:
H1-R-0.5
H2-R-0.5
I1-R-0.5
J1-R-0.5
L1-R-0.5
M1-R-0.5
N1-R-0.5
N1-R-1
O1-R-0.5
O3-R-0.5
P2-R-0.5
Q3-R-0.5

WO 112595:
A1-R-0.5
A2-R-0.5
A2-R-1
A2-R-2
A3-R-0.5

A3-R-1
A3-R-3
B2-R-0.5
C1-R-0.5
E1-R-0.5

WO112631:

R2-R-0.5
S2-R-0.5
S2-R-1
S3-R-0.5
AA1-R-0.5
AA3-R-0.5
AB1-R-2
AB2-R-0.5
AD2-R-0.5
AE1-R-0.5
AE2-R-6
AF2-R-0.5
AF2-R-1
AF2-R-4
AG1-R-0.5

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

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August 13, 2010

Lauren Vigliotti
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FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112751

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 15, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112751

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112751-031A, 112751-043A, 112751-049A, 112751-053A, 112751-054A, 112751-061A, 112751-062A, 112751-063A, 112751-064A, 112751-065A, 112751-077A, 112751-078A, 112751-079A and 112751-092A, due to sample matrix.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 112751-092AMS; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: 8/13/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-007A	BJ2-R 0.5	4.4	mg/L	65865	0.25	1	7/14/2010	7/28/2010
112751-031A	BL1-RW4 0.5	10	mg/L	65865	0.50	2	7/14/2010	7/28/2010
112751-037A	BL2-RW4 0.5	2.4	mg/L	65865	0.25	1	7/14/2010	7/28/2010
112751-043A	BM1-RW8 0.5	9.6	mg/L	65865	0.50	2	7/14/2010	7/28/2010
112751-049A	BM2-RW8 0.5	25	mg/L	65865	1.2	5	7/14/2010	7/28/2010
112751-051A	BM2-RW8 2	6.8	mg/L	65865	0.25	1	7/14/2010	7/28/2010
112751-053A	BM3-RW8 1	33	mg/L	65865	2.5	10	7/14/2010	7/28/2010
112751-054A	BM3-RW8 2	34	mg/L	65865	2.5	10	7/14/2010	7/28/2010
112751-055A	BM3-RW8 3	8.9	mg/L	65865	0.25	1	7/14/2010	7/28/2010
112751-061A	BN2-RW8 0.5	14	mg/L	65865	0.50	2	7/14/2010	7/28/2010
112751-062A	BN2-RW8 1	20	mg/L	65865	2.5	10	7/14/2010	7/28/2010
112751-063A	BN2-RW8 2	11	mg/L	65865	0.50	2	7/14/2010	7/28/2010
112751-064A	BN2-RW8 3	11	mg/L	65865	0.50	2	7/14/2010	7/28/2010
112751-065A	BN2-RW8 4	21	mg/L	65866	2.5	10	7/14/2010	7/28/2010
112751-074A	BO2-RW8 1	3.6	mg/L	65866	0.25	1	7/14/2010	7/28/2010
112751-075A	BO2-RW8 2	4.1	mg/L	65866	0.25	1	7/14/2010	7/28/2010
112751-076A	BO2-RW8 3	4.1	mg/L	65866	0.25	1	7/14/2010	7/28/2010
112751-077A	BO2-RW8 4	12	mg/L	65866	0.50	2	7/14/2010	7/28/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 8/13/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-078A	BO3-RW8 0.5	23	mg/L	65866	2.5	10	7/14/2010	7/28/2010
112751-079A	BO3-RW8 1	19	mg/L	65866	2.5	10	7/14/2010	7/28/2010
112751-090A	BP2-RW8 0.5	2.9	mg/L	65866	0.25	1	7/14/2010	7/28/2010
112751-091A	BP2-RW8 1	3.2	mg/L	65866	0.25	1	7/14/2010	7/28/2010
112751-092A	BP2-RW8 2	11	mg/L	65866	0.50	2	7/14/2010	7/28/2010
112751-093A	BP2-RW8 3	8.2	mg/L	65866	0.25	1	7/14/2010	7/28/2010
112751-094A	BP2-RW8 4	2.5	mg/L	65866	0.25	1	7/14/2010	7/28/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65865A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123734**
Client ID: **PBS** Batch ID: **65865** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65865** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123734**
Client ID: **LCSS** Batch ID: **65865** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985988**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.032	0.25	5.000	0	101	80	120				

Sample ID: **112751-049A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123734**
Client ID: **BM2-RW8 0.5** Batch ID: **65865** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	23.320	1.2						24.80	6.13	20	

Sample ID: **112751-049A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123734**
Client ID: **BM2-RW8 0.5** Batch ID: **65865** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985995**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29.248	1.2	5.000	24.80	89.0	80	120				

Sample ID: **MB-65865B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123734**
Client ID: **PBS** Batch ID: **65865** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1985996**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112751-064A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123734**
Client ID: **BN2-RW8 3** Batch ID: **65865** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.163	0.50						11.04	1.07	20	

Sample ID: **112751-064A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123734**
Client ID: **BN2-RW8 3** Batch ID: **65865** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.885	0.50	5.000	11.04	96.8	80	120				

Sample ID: **112751-064A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123734**
Client ID: **BN2-RW8 3** Batch ID: **65865** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.826	0.50	5.000	11.04	95.6	80	120	15.89	0.376	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65866A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123735**
Client ID: **PBS** Batch ID: **65866** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65866** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123735**
Client ID: **LCSS** Batch ID: **65866** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.125	0.25	5.000	0	102	80	120				

Sample ID: **112751-092A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123735**
Client ID: **BP2-RW8 2** Batch ID: **65866** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.388	0.50						11.30	0.812	20	

Sample ID: **112751-092A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123735**
Client ID: **BP2-RW8 2** Batch ID: **65866** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.550	0.50	5.000	11.30	125	80	120				S

Sample ID: **MB-65866B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123735**
Client ID: **PBS** Batch ID: **65866** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112751-094A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123735**
Client ID: **BP2-RW8 4** Batch ID: **65866** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.533	0.25						2.463	2.77	20	

Sample ID: **112751-094A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123735**
Client ID: **BP2-RW8 4** Batch ID: **65866** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.441	0.25	5.000	2.463	99.5	80	120				

Sample ID: **112751-094A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/26/2010** RunNo: **123735**
Client ID: **BP2-RW8 4** Batch ID: **65866** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/28/2010** SeqNo: **1986029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.468	0.25	5.000	2.463	100	80	120	7.441	0.367	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Friday, August 06, 2010 3:54 PM
To: Diane Galvan
Cc: 'David Watts'; 'Rick Day (Geocon)'
Subject: FW: more labs from Altamont (112713 and 112751)

Hi Diane. Please analyze the following samples for Pb WET. Have a good weekend!
-Lauren

WO 112713
AZ2-RW3 0.5
AZ2-RW3 1
BA1-RW3 1
BA2-RW3 0.5
BB1-RW3 1
BC1-RW3 0.5
BC1-RW3 1
BC3-RW3 0.5
BD1-RW3 0.5
BD1-RW3 1
BE1-RW3 2
BE1-RW3 3
BE3-RW3 1
BF1-RW3 3
BG3-RW3 0.5
BH1-R 1
BH2-R 0.5
BI2-R 0.5
BI3-R 0.5
BI3-R 1

WO112751
BJ2-R 0.5
BL1-RW4 0.5
BL2-RW4 0.5
BM1-RW8 0.5
BM2-RW8 0.5
BM2-RW8 2
BM3-RW8 1
BM3-RW8 2
BM3-RW8 3
BN2-RW8 0.5
BN2-RW8 1
BN2-RW8 2
BN2-RW8 3
BN2-RW8 4
BO2-RW8 1
BO2-RW8 2
BO2-RW8 3
BO2-RW8 4
BO3-RW8 0.5
BO3-RW8 1
BP2-RW8 0.5
BP2-RW8 1
BP2-RW8 2
BP2-RW8 3
BP2-RW8 4

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 321-3291

GEOTECHNICAL ENVIRONMENTAL MATERIALS

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September 02, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112751

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 15, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: 9/2/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-031A	BL1-RW4 0.5	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-043A	BM1-RW8 0.5	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-049A	BM2-RW8 0.5	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-050A	BM2-RW8 1	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-051A	BM2-RW8 2	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-052A	BM3-RW8 0.5	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-053A	BM3-RW8 1	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-054A	BM3-RW8 2	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-055A	BM3-RW8 3	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-061A	BN2-RW8 0.5	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-062A	BN2-RW8 1	ND	mg/L	66503	0.25	1	7/14/2010	9/1/2010
112751-063A	BN2-RW8 2	ND	mg/L	66504	0.25	1	7/14/2010	9/1/2010
112751-064A	BN2-RW8 3	ND	mg/L	66504	0.25	1	7/14/2010	9/1/2010
112751-065A	BN2-RW8 4	ND	mg/L	66504	0.25	1	7/14/2010	9/1/2010
112751-077A	BO2-RW8 4	ND	mg/L	66504	0.25	1	7/14/2010	9/1/2010
112751-078A	BO3-RW8 0.5	ND	mg/L	66504	0.25	1	7/14/2010	9/1/2010
112751-079A	BO3-RW8 1	ND	mg/L	66504	0.25	1	7/14/2010	9/1/2010
112751-092A	BP2-RW8 2	ND	mg/L	66504	0.25	1	7/14/2010	9/1/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: 9/2/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112751
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/15/2010 8:49:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112751-093A	BP2-RW8 3	ND	mg/L	66504	0.25	1	7/14/2010	9/1/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-66503A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **PBS** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003265**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66503** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **LCSS** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003266**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.215	0.25	5.000	0	104	80	120				

Sample ID: **112751-031A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **BL1-RW4 0.5** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003277**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112751-031A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **BL1-RW4 0.5** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.596	0.25	5.000	0	112	70	130				

Sample ID: **MB-66503B** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **PBS** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003279**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **112751-062A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **BN2-RW8 1** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003290**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112751-062A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **BN2-RW8 1** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.544	0.25	5.000	0	111	70	130				

Sample ID: **112751-062A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124616**
Client ID: **BN2-RW8 1** Batch ID: **66503** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.548	0.25	5.000	0	111	70	130	5.544	0.0811	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112751
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-66504A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124617**
Client ID: **PBS** Batch ID: **66504** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003308**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66504** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124617**
Client ID: **LCSS** Batch ID: **66504** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.235	0.25	5.000	0	105	80	120				

Sample ID: **112751-093A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124617**
Client ID: **BP2-RW8 3** Batch ID: **66504** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112751-093A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124617**
Client ID: **BP2-RW8 3** Batch ID: **66504** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.527	0.25	5.000	0	111	70	130				

Sample ID: **112751-093A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/30/2010** RunNo: **124617**
Client ID: **BP2-RW8 3** Batch ID: **66504** TestNo: **WET DI/ EPA WET** Analysis Date: **9/1/2010** SeqNo: **2003320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.540	0.25	5.000	0	111	70	130	5.527	0.235	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Thursday, August 26, 2010 9:20 AM
To: Diane Galvan
Subject: I-580 Truck Climbing lane

Hi Diane:
Please run the following samples for DI-WET lead, standard TAT. Thanks!
WO 112713: AZ2-RW3 0.5, AZ2-RW3 1, BC1-RW3 0.5, BC3-RW3 0.5, BD1-RW3 0.5, BD1-RW3 1, BG3-RW3 0.5, BH2-R 0.5, BI2-R 0.5
WO112751: BL1-RW4 0.5, BM1-RW8 0.5, BM2-RW8 0.5, BM2-RW8 1, BM2-RW8 2, BM3-RW8 0.5, BM3-RW8 1, BM3-RW8 2,
BM3-RW8 3, BN2-RW8 0.5, BN2-RW8 1, BN2-RW8 2, BN2-RW8 3, BN2-RW8 4, BO2-RW8 4, BO3-RW8 0.5, BO3-RW8 1, BP2-RW8 2, BP2-RW8 3

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 321-3291

GEOCON

GEOTECHNICAL ENVIRONMENTAL MATERIALS

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July 26, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112768

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 16, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112768

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 112818-012AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112818-012ADUP, 112768-032AMSD, 112768-079ADUP, 112768-089ADUP, 112768-094ADUP and 112787-032ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 7471

Dilution was necessary for samples 112768-039A and 112768-040A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/26/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-007A	B1-L 0.5	28	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-008A	B1-L 1	14	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-009A	B1-L 2	5.7	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-010A	B1-L 3	5.4	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-011A	B1-L 4	6.3	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-012A	B1-L 6	26	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-013A	C1-L 0.5	ND	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-014A	C1-L 1	6.2	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-015A	C1-L 2	11	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-016A	C1-L 3	5.8	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-017A	C1-L 4	ND	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-018A	C1-L 6	ND	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-025A	E1-L 0.5	44	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-026A	E1-L 1	22	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-027A	E1-L 2	11	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-028A	E1-L 3	8.3	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-029A	E1-L 4	7.1	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-030A	E1-L 6	26	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/26/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-031A	F1-L 0.5	320	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-032A	F1-L 1	98	mg/Kg	65728	5.0	1	7/15/2010	7/22/2010
112768-033A	F1-L 2	16	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-034A	F1-L 3	18	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-035A	F1-L 4	21	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-036A	F1-L 6	27	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-043A	H1-L 0.5	12	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-044A	H1-L 1	25	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-045A	H1-L 2	10	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-046A	H1-L 3	9.6	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-047A	H1-L 4	7.1	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-048A	H1-L 6	5.7	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-049A	I1-L 0.5	8.4	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-050A	I1-L 1	23	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-051A	I1-L 2	ND	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-052A	I1-L 3	9.1	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-053A	I1-L 4	7.0	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-054A	I1-L 6	6.4	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/26/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-060A	K1-L 0.5	9.3	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-061A	K1-L 1	ND	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-062A	K1-L 2	ND	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-063A	K1-L 3	ND	mg/Kg	65729	5.0	1	7/15/2010	7/22/2010
112768-064A	K1-L 4	ND	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-065A	L1-L 0.5	9.3	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-066A	L1-L 1	11	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-067A	L1-L 2	7.2	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-068A	L1-L 3	ND	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-069A	L1-L 4	ND	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-070A	L1-L 6	ND	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-077A	N1-L 0.5	ND	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-078A	N1-L 1	23	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-079A	N1-L 2	8.1	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-080A	N1-L 3	9.2	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-081A	N1-L 4	8.0	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-082A	N1-L 6	8.3	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-083A	O1-L 0.5	22	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/26/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-084A	O1-L 1	11	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-085A	O1-L 2	7.8	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-086A	O1-L 3	5.7	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-087A	O1-L 4	5.7	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-088A	O1-L 6	ND	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-094A	Q1-L 1	66	mg/Kg	65730	5.0	1	7/15/2010	7/22/2010
112768-095A	Q1-L 2	ND	mg/Kg	65731	5.0	1	7/15/2010	7/22/2010
112768-096A	Q1-L 3	ND	mg/Kg	65731	5.0	1	7/15/2010	7/22/2010
112768-097A	Q1-L 4	8.3	mg/Kg	65731	5.0	1	7/15/2010	7/22/2010
112768-098A	Q1-L 6	11	mg/Kg	65731	5.0	1	7/15/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/26/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-013A	C1-L 0.5	ND	mg/Kg	65719	0.10	1	7/15/2010	7/20/2010
112768-025A	E1-L 0.5	ND	mg/Kg	65719	0.10	1	7/15/2010	7/20/2010
112768-043A	H1-L 0.5	ND	mg/Kg	65719	0.10	1	7/15/2010	7/20/2010
112768-055A	J1-L 0.5	ND	mg/Kg	65719	0.10	1	7/15/2010	7/20/2010
112768-083A	O1-L 0.5	ND	mg/Kg	65719	0.10	1	7/15/2010	7/20/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/26/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-005A	A1-L 4	8.4	pH Units	R123522	0.10	1	7/15/2010	7/21/2010
112768-017A	C1-L 4	8.9	pH Units	R123522	0.10	1	7/15/2010	7/21/2010
112768-029A	E1-L 4	8.4	pH Units	R123522	0.10	1	7/15/2010	7/21/2010
112768-031A	F1-L 0.5	8.0	pH Units	R123522	0.10	1	7/15/2010	7/21/2010
112768-042A	G1-L 6	8.2	pH Units	R123522	0.10	1	7/15/2010	7/21/2010
112768-054A	I1-L 6	8.3	pH Units	R123522	0.10	1	7/15/2010	7/21/2010
112768-066A	L1-L 1	7.5	pH Units	R123539	0.10	1	7/15/2010	7/22/2010
112768-078A	N1-L 1	8.0	pH Units	R123539	0.10	1	7/15/2010	7/22/2010
112768-090A	P1-L 2	9.4	pH Units	R123539	0.10	1	7/15/2010	7/22/2010
112768-093A	P1-L 6	8.7	pH Units	R123539	0.10	1	7/15/2010	7/22/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A1-L 0.5
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 03:55 PM
Arsenic	1.2	1.0		mg/Kg	1	7/21/2010 03:55 PM
Barium	130	1.0		mg/Kg	1	7/21/2010 03:55 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 03:55 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 03:55 PM
Chromium	23	1.0		mg/Kg	1	7/21/2010 03:55 PM
Cobalt	8.8	1.0		mg/Kg	1	7/21/2010 03:55 PM
Copper	28	2.0		mg/Kg	1	7/21/2010 03:55 PM
Lead	1300	1.0		mg/Kg	1	7/21/2010 03:55 PM
Molybdenum	1.3	1.0		mg/Kg	1	7/21/2010 03:55 PM
Nickel	20	1.0		mg/Kg	1	7/21/2010 03:55 PM
Selenium	1.4	1.0		mg/Kg	1	7/21/2010 03:55 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 03:28 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 03:55 PM
Vanadium	60	1.0		mg/Kg	1	7/21/2010 03:55 PM
Zinc	150	1.0		mg/Kg	1	7/21/2010 03:55 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:07 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A1-L 1
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 03:59 PM
Arsenic	ND	1.0		mg/Kg	1	7/21/2010 03:59 PM
Barium	140	1.0		mg/Kg	1	7/21/2010 03:59 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 03:59 PM
Cadmium	1.0	1.0		mg/Kg	1	7/21/2010 03:59 PM
Chromium	29	1.0		mg/Kg	1	7/21/2010 03:59 PM
Cobalt	10	1.0		mg/Kg	1	7/21/2010 03:59 PM
Copper	39	2.0		mg/Kg	1	7/21/2010 03:59 PM
Lead	1200	1.0		mg/Kg	1	7/21/2010 03:59 PM
Molybdenum	2.4	1.0		mg/Kg	1	7/21/2010 03:59 PM
Nickel	21	1.0		mg/Kg	1	7/21/2010 03:59 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 03:59 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 03:32 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 03:59 PM
Vanadium	93	1.0		mg/Kg	1	7/21/2010 03:59 PM
Zinc	210	1.0		mg/Kg	1	7/21/2010 03:59 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:09 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A1-L 2
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 04:03 PM
Arsenic	ND	1.0		mg/Kg	1	7/21/2010 04:03 PM
Barium	75	1.0		mg/Kg	1	7/21/2010 04:03 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 04:03 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 04:03 PM
Chromium	14	1.0		mg/Kg	1	7/21/2010 04:03 PM
Cobalt	9.7	1.0		mg/Kg	1	7/21/2010 04:03 PM
Copper	15	2.0		mg/Kg	1	7/21/2010 04:03 PM
Lead	14	1.0		mg/Kg	1	7/21/2010 04:03 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 04:03 PM
Nickel	14	1.0		mg/Kg	1	7/21/2010 04:03 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 04:03 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 03:35 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 04:03 PM
Vanadium	69	1.0		mg/Kg	1	7/21/2010 04:03 PM
Zinc	36	1.0		mg/Kg	1	7/21/2010 04:03 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A1-L 3
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-004A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 04:07 PM
Arsenic	7.5	1.0		mg/Kg	1	7/21/2010 04:07 PM
Barium	140	1.0		mg/Kg	1	7/21/2010 04:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 04:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 04:07 PM
Chromium	18	1.0		mg/Kg	1	7/21/2010 04:07 PM
Cobalt	10	1.0		mg/Kg	1	7/21/2010 04:07 PM
Copper	16	2.0		mg/Kg	1	7/21/2010 04:07 PM
Lead	47	1.0		mg/Kg	1	7/21/2010 04:07 PM
Molybdenum	1.5	1.0		mg/Kg	1	7/21/2010 04:07 PM
Nickel	25	1.0		mg/Kg	1	7/21/2010 04:07 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 04:07 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 03:38 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 04:07 PM
Vanadium	54	1.0		mg/Kg	1	7/21/2010 04:07 PM
Zinc	48	1.0		mg/Kg	1	7/21/2010 04:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A1-L 4
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-005A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 04:12 PM
Arsenic	7.0	1.0		mg/Kg	1	7/21/2010 04:12 PM
Barium	180	1.0		mg/Kg	1	7/21/2010 04:12 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 04:12 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 04:12 PM
Chromium	15	1.0		mg/Kg	1	7/21/2010 04:12 PM
Cobalt	13	1.0		mg/Kg	1	7/21/2010 04:12 PM
Copper	21	2.0		mg/Kg	1	7/21/2010 04:12 PM
Lead	8.9	1.0		mg/Kg	1	7/21/2010 04:12 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 04:12 PM
Nickel	22	1.0		mg/Kg	1	7/21/2010 04:12 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 04:12 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 03:50 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 04:12 PM
Vanadium	44	1.0		mg/Kg	1	7/21/2010 04:12 PM
Zinc	42	1.0		mg/Kg	1	7/21/2010 04:12 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:20 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	A1-L 6
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-006A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 04:16 PM
Arsenic	10	1.0		mg/Kg	1	7/21/2010 04:16 PM
Barium	72	1.0		mg/Kg	1	7/21/2010 04:16 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 04:16 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 04:16 PM
Chromium	35	1.0		mg/Kg	1	7/21/2010 04:16 PM
Cobalt	14	1.0		mg/Kg	1	7/21/2010 04:16 PM
Copper	13	2.0		mg/Kg	1	7/21/2010 04:16 PM
Lead	5.1	1.0		mg/Kg	1	7/21/2010 04:16 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 04:16 PM
Nickel	39	1.0		mg/Kg	1	7/21/2010 04:16 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 04:16 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 03:53 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 04:16 PM
Vanadium	58	1.0		mg/Kg	1	7/21/2010 04:16 PM
Zinc	45	1.0		mg/Kg	1	7/21/2010 04:16 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-L 0.5
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-019A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 04:29 PM
Arsenic	2.6	1.0		mg/Kg	1	7/21/2010 04:29 PM
Barium	93	1.0		mg/Kg	1	7/21/2010 04:29 PM
Beryllium	1.0	1.0		mg/Kg	1	7/21/2010 04:29 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 04:29 PM
Chromium	5.4	1.0		mg/Kg	1	7/21/2010 04:29 PM
Cobalt	6.4	1.0		mg/Kg	1	7/21/2010 04:29 PM
Copper	31	2.0		mg/Kg	1	7/21/2010 04:29 PM
Lead	15	1.0		mg/Kg	1	7/21/2010 04:29 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 04:29 PM
Nickel	13	1.0		mg/Kg	1	7/21/2010 04:29 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 04:29 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 03:57 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 04:29 PM
Vanadium	21	1.0		mg/Kg	1	7/21/2010 04:29 PM
Zinc	46	1.0		mg/Kg	1	7/21/2010 04:29 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	0.14	0.10		mg/Kg	1	7/21/2010 02:24 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-L 1
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-020A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 04:33 PM
Arsenic	1.7	1.0		mg/Kg	1	7/21/2010 04:33 PM
Barium	66	1.0		mg/Kg	1	7/21/2010 04:33 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 04:33 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 04:33 PM
Chromium	10	1.0		mg/Kg	1	7/21/2010 04:33 PM
Cobalt	20	1.0		mg/Kg	1	7/21/2010 04:33 PM
Copper	26	2.0		mg/Kg	1	7/21/2010 04:33 PM
Lead	17	1.0		mg/Kg	1	7/21/2010 04:33 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 04:33 PM
Nickel	17	1.0		mg/Kg	1	7/21/2010 04:33 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 04:33 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 04:01 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 04:33 PM
Vanadium	18	1.0		mg/Kg	1	7/21/2010 04:33 PM
Zinc	45	1.0		mg/Kg	1	7/21/2010 04:33 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:26 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-L 2
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-021A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 04:37 PM
Arsenic	2.0	1.0		mg/Kg	1	7/21/2010 04:37 PM
Barium	130	1.0		mg/Kg	1	7/21/2010 04:37 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 04:37 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 04:37 PM
Chromium	10	1.0		mg/Kg	1	7/21/2010 04:37 PM
Cobalt	10	1.0		mg/Kg	1	7/21/2010 04:37 PM
Copper	28	2.0		mg/Kg	1	7/21/2010 04:37 PM
Lead	9.6	1.0		mg/Kg	1	7/21/2010 04:37 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 04:37 PM
Nickel	17	1.0		mg/Kg	1	7/21/2010 04:37 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 04:37 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 04:05 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 04:37 PM
Vanadium	29	1.0		mg/Kg	1	7/21/2010 04:37 PM
Zinc	50	1.0		mg/Kg	1	7/21/2010 04:37 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	0.14	0.10		mg/Kg	1	7/21/2010 02:28 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-L 3
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-022A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721E	QC Batch: 65704			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 03:21 PM
Arsenic	ND	1.0		mg/Kg	1	7/21/2010 03:21 PM
Barium	82	1.0		mg/Kg	1	7/21/2010 03:21 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 03:21 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 03:21 PM
Chromium	7.9	1.0		mg/Kg	1	7/21/2010 03:21 PM
Cobalt	4.5	1.0		mg/Kg	1	7/21/2010 03:21 PM
Copper	18	2.0		mg/Kg	1	7/21/2010 03:21 PM
Lead	6.4	1.0		mg/Kg	1	7/21/2010 03:21 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 03:21 PM
Nickel	9.2	1.0		mg/Kg	1	7/21/2010 03:21 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 03:21 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 03:14 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 03:21 PM
Vanadium	21	1.0		mg/Kg	1	7/21/2010 03:21 PM
Zinc	31	1.0		mg/Kg	1	7/21/2010 03:21 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721C	QC Batch: 65700			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:03 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-L 4
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-023A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:19 PM
Arsenic	1.6	1.0		mg/Kg	1	7/21/2010 06:19 PM
Barium	100	1.0		mg/Kg	1	7/21/2010 06:19 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:19 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 06:19 PM
Chromium	13	1.0		mg/Kg	1	7/21/2010 06:19 PM
Cobalt	6.2	1.0		mg/Kg	1	7/21/2010 06:19 PM
Copper	26	2.0		mg/Kg	1	7/21/2010 06:19 PM
Lead	31	1.0		mg/Kg	1	7/21/2010 06:19 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:19 PM
Nickel	12	1.0		mg/Kg	1	7/21/2010 06:19 PM
Selenium	ND	1.0		mg/Kg	1	7/22/2010 04:19 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:19 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:19 PM
Vanadium	32	1.0		mg/Kg	1	7/21/2010 06:19 PM
Zinc	45	1.0		mg/Kg	1	7/21/2010 06:19 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	D1-L 6
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-024A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:23 PM
Arsenic	ND	1.0		mg/Kg	1	7/21/2010 06:23 PM
Barium	91	1.0		mg/Kg	1	7/21/2010 06:23 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:23 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 06:23 PM
Chromium	11	1.0		mg/Kg	1	7/21/2010 06:23 PM
Cobalt	5.2	1.0		mg/Kg	1	7/21/2010 06:23 PM
Copper	18	2.0		mg/Kg	1	7/21/2010 06:23 PM
Lead	12	1.0		mg/Kg	1	7/21/2010 06:23 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:23 PM
Nickel	12	1.0		mg/Kg	1	7/21/2010 06:23 PM
Selenium	ND	1.0		mg/Kg	1	7/22/2010 04:23 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:23 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:23 PM
Vanadium	25	1.0		mg/Kg	1	7/21/2010 06:23 PM
Zinc	36	1.0		mg/Kg	1	7/21/2010 06:23 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G1-L 0.5
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-037A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:34 PM
Arsenic	18	1.0		mg/Kg	1	7/21/2010 06:28 PM
Barium	35	1.0		mg/Kg	1	7/21/2010 06:28 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:28 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 06:28 PM
Chromium	26	1.0		mg/Kg	1	7/21/2010 06:28 PM
Cobalt	12	1.0		mg/Kg	1	7/21/2010 06:28 PM
Copper	40	2.0		mg/Kg	1	7/21/2010 06:28 PM
Lead	18	1.0		mg/Kg	1	7/21/2010 06:28 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:28 PM
Nickel	36	1.0		mg/Kg	1	7/21/2010 06:28 PM
Selenium	2.7	1.0		mg/Kg	1	7/22/2010 04:34 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:28 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:28 PM
Vanadium	38	1.0		mg/Kg	1	7/21/2010 06:28 PM
Zinc	75	1.0		mg/Kg	1	7/21/2010 06:28 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G1-L 1
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-038A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:37 PM
Arsenic	12	1.0		mg/Kg	1	7/21/2010 06:31 PM
Barium	26	1.0		mg/Kg	1	7/21/2010 06:31 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:31 PM
Cadmium	1.0	1.0		mg/Kg	1	7/21/2010 06:31 PM
Chromium	23	1.0		mg/Kg	1	7/21/2010 06:31 PM
Cobalt	8.4	1.0		mg/Kg	1	7/21/2010 06:31 PM
Copper	31	2.0		mg/Kg	1	7/21/2010 06:31 PM
Lead	9.4	1.0		mg/Kg	1	7/21/2010 06:31 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:31 PM
Nickel	25	1.0		mg/Kg	1	7/21/2010 06:31 PM
Selenium	1.8	1.0		mg/Kg	1	7/22/2010 04:37 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:31 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:31 PM
Vanadium	36	1.0		mg/Kg	1	7/21/2010 06:31 PM
Zinc	75	1.0		mg/Kg	1	7/21/2010 06:31 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	0.33	0.10		mg/Kg	1	7/21/2010 02:58 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G1-L 2
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-039A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:40 PM
Arsenic	31	1.0		mg/Kg	1	7/21/2010 06:35 PM
Barium	42	1.0		mg/Kg	1	7/21/2010 06:35 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:35 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 06:35 PM
Chromium	27	1.0		mg/Kg	1	7/21/2010 06:35 PM
Cobalt	9.6	1.0		mg/Kg	1	7/21/2010 06:35 PM
Copper	40	2.0		mg/Kg	1	7/21/2010 06:35 PM
Lead	12	1.0		mg/Kg	1	7/21/2010 06:35 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:35 PM
Nickel	27	1.0		mg/Kg	1	7/21/2010 06:35 PM
Selenium	3.1	1.0		mg/Kg	1	7/22/2010 04:40 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:35 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:35 PM
Vanadium	39	1.0		mg/Kg	1	7/21/2010 06:35 PM
Zinc	60	1.0		mg/Kg	1	7/21/2010 06:35 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	3.0	0.20		mg/Kg	2	7/21/2010 03:17 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G1-L 3
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-040A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:43 PM
Arsenic	4.0	1.0		mg/Kg	1	7/21/2010 06:39 PM
Barium	33	1.0		mg/Kg	1	7/21/2010 06:39 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:39 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 06:39 PM
Chromium	25	1.0		mg/Kg	1	7/21/2010 06:39 PM
Cobalt	12	1.0		mg/Kg	1	7/21/2010 06:39 PM
Copper	45	2.0		mg/Kg	1	7/21/2010 06:39 PM
Lead	10	1.0		mg/Kg	1	7/21/2010 06:39 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:39 PM
Nickel	31	1.0		mg/Kg	1	7/21/2010 06:39 PM
Selenium	1.9	1.0		mg/Kg	1	7/22/2010 04:43 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:39 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:39 PM
Vanadium	39	1.0		mg/Kg	1	7/21/2010 06:39 PM
Zinc	82	1.0		mg/Kg	1	7/21/2010 06:39 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	1.7	0.20		mg/Kg	2	7/21/2010 03:19 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G1-L 4
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-041A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:47 PM
Arsenic	29	1.0		mg/Kg	1	7/21/2010 06:43 PM
Barium	23	1.0		mg/Kg	1	7/21/2010 06:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:43 PM
Cadmium	1.5	1.0		mg/Kg	1	7/21/2010 06:43 PM
Chromium	18	1.0		mg/Kg	1	7/21/2010 06:43 PM
Cobalt	6.5	1.0		mg/Kg	1	7/21/2010 06:43 PM
Copper	18	2.0		mg/Kg	1	7/21/2010 06:43 PM
Lead	6.7	1.0		mg/Kg	1	7/21/2010 06:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:43 PM
Nickel	18	1.0		mg/Kg	1	7/21/2010 06:43 PM
Selenium	2.4	1.0		mg/Kg	1	7/22/2010 04:47 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:43 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:43 PM
Vanadium	28	1.0		mg/Kg	1	7/21/2010 06:43 PM
Zinc	60	1.0		mg/Kg	1	7/21/2010 06:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	1.4	0.10		mg/Kg	1	7/21/2010 03:09 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	G1-L 6
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-042A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:51 PM
Arsenic	4.5	1.0		mg/Kg	1	7/21/2010 06:47 PM
Barium	30	1.0		mg/Kg	1	7/21/2010 06:47 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:47 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 06:47 PM
Chromium	26	1.0		mg/Kg	1	7/21/2010 06:47 PM
Cobalt	12	1.0		mg/Kg	1	7/21/2010 06:47 PM
Copper	32	2.0		mg/Kg	1	7/21/2010 06:47 PM
Lead	5.8	1.0		mg/Kg	1	7/21/2010 06:47 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:47 PM
Nickel	26	1.0		mg/Kg	1	7/21/2010 06:47 PM
Selenium	1.3	1.0		mg/Kg	1	7/22/2010 04:51 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:47 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:47 PM
Vanadium	40	1.0		mg/Kg	1	7/21/2010 06:47 PM
Zinc	58	1.0		mg/Kg	1	7/21/2010 06:47 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	1.2	0.10		mg/Kg	1	7/21/2010 03:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	J1-L 0.5
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-055A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705				PrepDate: 7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 04:55 PM
Arsenic	3.8	1.0		mg/Kg	1	7/21/2010 06:59 PM
Barium	77	1.0		mg/Kg	1	7/21/2010 06:59 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 06:59 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 06:59 PM
Chromium	19	1.0		mg/Kg	1	7/21/2010 06:59 PM
Cobalt	8.5	1.0		mg/Kg	1	7/21/2010 06:59 PM
Copper	12	2.0		mg/Kg	1	7/21/2010 06:59 PM
Lead	23	1.0		mg/Kg	1	7/21/2010 06:59 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 06:59 PM
Nickel	17	1.0		mg/Kg	1	7/21/2010 06:59 PM
Selenium	ND	1.0		mg/Kg	1	7/22/2010 04:55 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 06:59 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 06:59 PM
Vanadium	39	1.0		mg/Kg	1	7/21/2010 06:59 PM
Zinc	47	1.0		mg/Kg	1	7/21/2010 06:59 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701				PrepDate: 7/21/2010	Analyst: **IL**
Mercury	0.19	0.10		mg/Kg	1	7/21/2010 03:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	J1-L 1
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-056A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721G	QC Batch: 65705			PrepDate:	7/21/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 05:54 PM
Arsenic	3.0	1.0		mg/Kg	1	7/21/2010 05:54 PM
Barium	77	1.0		mg/Kg	1	7/21/2010 05:54 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 05:54 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 05:54 PM
Chromium	21	1.0		mg/Kg	1	7/21/2010 05:54 PM
Cobalt	8.6	1.0		mg/Kg	1	7/21/2010 05:54 PM
Copper	9.1	2.0		mg/Kg	1	7/21/2010 05:54 PM
Lead	13	1.0		mg/Kg	1	7/21/2010 05:54 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 05:54 PM
Nickel	16	1.0		mg/Kg	1	7/21/2010 05:54 PM
Selenium	1.0	1.0		mg/Kg	1	7/21/2010 05:54 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 05:54 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 05:54 PM
Vanadium	44	1.0		mg/Kg	1	7/21/2010 05:54 PM
Zinc	44	1.0		mg/Kg	1	7/21/2010 05:54 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721D	QC Batch: 65701			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 02:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	J1-L 2
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-057A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:00 PM
Arsenic	5.6	1.0		mg/Kg	1	7/23/2010 03:00 PM
Barium	54	1.0		mg/Kg	1	7/23/2010 03:00 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:00 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:00 PM
Chromium	17	1.0		mg/Kg	1	7/23/2010 03:00 PM
Cobalt	7.2	1.0		mg/Kg	1	7/23/2010 03:00 PM
Copper	10	2.0		mg/Kg	1	7/23/2010 03:00 PM
Lead	9.2	1.0		mg/Kg	1	7/23/2010 03:00 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:00 PM
Nickel	15	1.0		mg/Kg	1	7/23/2010 03:00 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:00 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:00 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:00 PM
Vanadium	42	1.0		mg/Kg	1	7/23/2010 03:00 PM
Zinc	45	1.0		mg/Kg	1	7/23/2010 03:00 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	0.14	0.10		mg/Kg	1	7/21/2010 03:59 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	J1-L 3
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-058A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:02 PM
Arsenic	5.3	1.0		mg/Kg	1	7/23/2010 03:02 PM
Barium	54	1.0		mg/Kg	1	7/23/2010 03:02 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:02 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:02 PM
Chromium	18	1.0		mg/Kg	1	7/23/2010 03:02 PM
Cobalt	7.3	1.0		mg/Kg	1	7/23/2010 03:02 PM
Copper	10	2.0		mg/Kg	1	7/23/2010 03:02 PM
Lead	6.7	1.0		mg/Kg	1	7/23/2010 03:02 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:02 PM
Nickel	15	1.0		mg/Kg	1	7/23/2010 03:02 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:02 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:02 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:02 PM
Vanadium	37	1.0		mg/Kg	1	7/23/2010 03:02 PM
Zinc	44	1.0		mg/Kg	1	7/23/2010 03:02 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 04:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	J1-L 4
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-059A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:04 PM
Arsenic	5.4	1.0		mg/Kg	1	7/23/2010 03:04 PM
Barium	51	1.0		mg/Kg	1	7/23/2010 03:04 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:04 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:04 PM
Chromium	17	1.0		mg/Kg	1	7/23/2010 03:04 PM
Cobalt	7.6	1.0		mg/Kg	1	7/23/2010 03:04 PM
Copper	10	2.0		mg/Kg	1	7/23/2010 03:04 PM
Lead	4.6	1.0		mg/Kg	1	7/23/2010 03:04 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:04 PM
Nickel	15	1.0		mg/Kg	1	7/23/2010 03:04 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:04 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:04 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:04 PM
Vanadium	35	1.0		mg/Kg	1	7/23/2010 03:04 PM
Zinc	44	1.0		mg/Kg	1	7/23/2010 03:04 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 04:03 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M1-L 0.5
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-071A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:06 PM
Arsenic	12	1.0		mg/Kg	1	7/23/2010 03:06 PM
Barium	110	1.0		mg/Kg	1	7/23/2010 03:06 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:06 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:06 PM
Chromium	28	1.0		mg/Kg	1	7/23/2010 03:06 PM
Cobalt	9.5	1.0		mg/Kg	1	7/23/2010 03:06 PM
Copper	38	2.0		mg/Kg	1	7/23/2010 03:06 PM
Lead	310	1.0		mg/Kg	1	7/23/2010 03:06 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:06 PM
Nickel	43	1.0		mg/Kg	1	7/23/2010 03:06 PM
Selenium	1.1	1.0		mg/Kg	1	7/23/2010 03:06 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:06 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:06 PM
Vanadium	35	1.0		mg/Kg	1	7/23/2010 03:06 PM
Zinc	110	1.0		mg/Kg	1	7/23/2010 03:06 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	0.11	0.10		mg/Kg	1	7/21/2010 04:05 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M1-L 1
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-072A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:07 PM
Arsenic	7.8	1.0		mg/Kg	1	7/23/2010 03:07 PM
Barium	120	1.0		mg/Kg	1	7/23/2010 03:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:07 PM
Chromium	28	1.0		mg/Kg	1	7/23/2010 03:07 PM
Cobalt	8.5	1.0		mg/Kg	1	7/23/2010 03:07 PM
Copper	36	2.0		mg/Kg	1	7/23/2010 03:07 PM
Lead	260	1.0		mg/Kg	1	7/23/2010 03:07 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:07 PM
Nickel	38	1.0		mg/Kg	1	7/23/2010 03:07 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:07 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:07 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:07 PM
Vanadium	28	1.0		mg/Kg	1	7/23/2010 03:07 PM
Zinc	84	1.0		mg/Kg	1	7/23/2010 03:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	0.17	0.10		mg/Kg	1	7/21/2010 04:07 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M1-L 2
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-073A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:33 PM
Arsenic	7.5	1.0		mg/Kg	1	7/23/2010 03:33 PM
Barium	120	1.0		mg/Kg	1	7/23/2010 03:33 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:33 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:33 PM
Chromium	24	1.0		mg/Kg	1	7/23/2010 03:33 PM
Cobalt	8.9	1.0		mg/Kg	1	7/23/2010 03:33 PM
Copper	39	2.0		mg/Kg	1	7/23/2010 03:33 PM
Lead	15	1.0		mg/Kg	1	7/23/2010 03:33 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:33 PM
Nickel	77	1.0		mg/Kg	1	7/23/2010 03:33 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:33 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:33 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:33 PM
Vanadium	45	1.0		mg/Kg	1	7/23/2010 03:33 PM
Zinc	120	1.0		mg/Kg	1	7/23/2010 03:33 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 04:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M1-L 3
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-074A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:11 PM
Arsenic	8.3	1.0		mg/Kg	1	7/23/2010 03:11 PM
Barium	98	1.0		mg/Kg	1	7/23/2010 03:11 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:11 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:11 PM
Chromium	21	1.0		mg/Kg	1	7/23/2010 03:11 PM
Cobalt	8.0	1.0		mg/Kg	1	7/23/2010 03:11 PM
Copper	14	2.0		mg/Kg	1	7/23/2010 03:11 PM
Lead	56	1.0		mg/Kg	1	7/23/2010 03:11 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:11 PM
Nickel	29	1.0		mg/Kg	1	7/23/2010 03:11 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:11 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:11 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:11 PM
Vanadium	31	1.0		mg/Kg	1	7/23/2010 03:11 PM
Zinc	58	1.0		mg/Kg	1	7/23/2010 03:11 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 04:12 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M1-L 4
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-075A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:17 PM
Arsenic	6.0	1.0		mg/Kg	1	7/23/2010 03:17 PM
Barium	59	1.0		mg/Kg	1	7/23/2010 03:17 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:17 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:17 PM
Chromium	15	1.0		mg/Kg	1	7/23/2010 03:17 PM
Cobalt	3.6	1.0		mg/Kg	1	7/23/2010 03:17 PM
Copper	6.3	2.0		mg/Kg	1	7/23/2010 03:17 PM
Lead	11	1.0		mg/Kg	1	7/23/2010 03:17 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:17 PM
Nickel	14	1.0		mg/Kg	1	7/23/2010 03:17 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:17 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:17 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:17 PM
Vanadium	24	1.0		mg/Kg	1	7/23/2010 03:17 PM
Zinc	33	1.0		mg/Kg	1	7/23/2010 03:17 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 04:14 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	M1-L 6
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-076A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:19 PM
Arsenic	9.4	1.0		mg/Kg	1	7/23/2010 03:19 PM
Barium	110	1.0		mg/Kg	1	7/23/2010 03:19 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:19 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:19 PM
Chromium	24	1.0		mg/Kg	1	7/23/2010 03:19 PM
Cobalt	9.1	1.0		mg/Kg	1	7/23/2010 03:19 PM
Copper	18	2.0		mg/Kg	1	7/23/2010 03:19 PM
Lead	560	1.0		mg/Kg	1	7/23/2010 03:19 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:19 PM
Nickel	29	1.0		mg/Kg	1	7/23/2010 03:19 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:19 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:19 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:19 PM
Vanadium	31	1.0		mg/Kg	1	7/23/2010 03:19 PM
Zinc	120	1.0		mg/Kg	1	7/23/2010 03:19 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 04:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	P1-L 1
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-089A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723J	QC Batch: 65795			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:21 PM
Arsenic	4.2	1.0		mg/Kg	1	7/23/2010 03:21 PM
Barium	100	1.0		mg/Kg	1	7/23/2010 03:21 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:21 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:21 PM
Chromium	11	1.0		mg/Kg	1	7/23/2010 03:21 PM
Cobalt	250	1.0		mg/Kg	1	7/23/2010 03:21 PM
Copper	81	2.0		mg/Kg	1	7/23/2010 03:21 PM
Lead	7.0	1.0		mg/Kg	1	7/23/2010 03:21 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:21 PM
Nickel	60	1.0		mg/Kg	1	7/23/2010 03:21 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:21 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:21 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:21 PM
Vanadium	78	1.0		mg/Kg	1	7/23/2010 03:21 PM
Zinc	31	1.0		mg/Kg	1	7/23/2010 03:21 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721E	QC Batch: 65702			PrepDate:	7/21/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 03:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	P1-L 2
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-090A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721B	QC Batch: 65707			PrepDate:	7/20/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 01:18 PM
Arsenic	ND	1.0		mg/Kg	1	7/21/2010 01:18 PM
Barium	60	1.0		mg/Kg	1	7/21/2010 01:18 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 01:18 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 01:18 PM
Chromium	6.5	1.0		mg/Kg	1	7/21/2010 01:18 PM
Cobalt	8.7	1.0		mg/Kg	1	7/21/2010 01:18 PM
Copper	11	2.0		mg/Kg	1	7/21/2010 01:18 PM
Lead	12	1.0		mg/Kg	1	7/21/2010 01:18 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 01:18 PM
Nickel	9.9	1.0		mg/Kg	1	7/21/2010 01:18 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 01:18 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 01:18 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 01:18 PM
Vanadium	32	1.0		mg/Kg	1	7/21/2010 01:18 PM
Zinc	23	1.0		mg/Kg	1	7/21/2010 01:18 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721A	QC Batch: 65703			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 10:10 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	P1-L 3
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-091A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721B	QC Batch: 65707			PrepDate:	7/20/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 01:22 PM
Arsenic	5.3	1.0		mg/Kg	1	7/21/2010 01:22 PM
Barium	74	1.0		mg/Kg	1	7/21/2010 01:22 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 01:22 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 01:22 PM
Chromium	23	1.0		mg/Kg	1	7/21/2010 01:22 PM
Cobalt	12	1.0		mg/Kg	1	7/21/2010 01:22 PM
Copper	21	2.0		mg/Kg	1	7/21/2010 01:22 PM
Lead	5.0	1.0		mg/Kg	1	7/21/2010 01:22 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 01:22 PM
Nickel	24	1.0		mg/Kg	1	7/21/2010 01:22 PM
Selenium	1.6	1.0		mg/Kg	1	7/21/2010 01:22 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 01:22 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 01:22 PM
Vanadium	40	1.0		mg/Kg	1	7/21/2010 01:22 PM
Zinc	53	1.0		mg/Kg	1	7/21/2010 01:22 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721A	QC Batch: 65703			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 10:12 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	P1-L 4
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-092A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721B	QC Batch: 65707			PrepDate:	7/20/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 01:27 PM
Arsenic	4.5	1.0		mg/Kg	1	7/21/2010 01:27 PM
Barium	58	1.0		mg/Kg	1	7/21/2010 01:27 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 01:27 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 01:27 PM
Chromium	25	1.0		mg/Kg	1	7/21/2010 01:27 PM
Cobalt	11	1.0		mg/Kg	1	7/21/2010 01:27 PM
Copper	16	2.0		mg/Kg	1	7/21/2010 01:27 PM
Lead	16	1.0		mg/Kg	1	7/21/2010 01:27 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 01:27 PM
Nickel	22	1.0		mg/Kg	1	7/21/2010 01:27 PM
Selenium	1.3	1.0		mg/Kg	1	7/21/2010 01:27 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 01:27 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 01:27 PM
Vanadium	45	1.0		mg/Kg	1	7/21/2010 01:27 PM
Zinc	51	1.0		mg/Kg	1	7/21/2010 01:27 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721A	QC Batch: 65703			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 10:14 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	P1-L 6
Lab Order:	112768	**Collection Date:**	7/15/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112768-093A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100721B	QC Batch: 65707			PrepDate:	7/20/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/21/2010 01:31 PM
Arsenic	5.0	1.0		mg/Kg	1	7/21/2010 01:31 PM
Barium	45	1.0		mg/Kg	1	7/21/2010 01:31 PM
Beryllium	ND	1.0		mg/Kg	1	7/21/2010 01:31 PM
Cadmium	ND	1.0		mg/Kg	1	7/21/2010 01:31 PM
Chromium	21	1.0		mg/Kg	1	7/21/2010 01:31 PM
Cobalt	7.9	1.0		mg/Kg	1	7/21/2010 01:31 PM
Copper	5.4	2.0		mg/Kg	1	7/21/2010 01:31 PM
Lead	1.8	1.0		mg/Kg	1	7/21/2010 01:31 PM
Molybdenum	ND	1.0		mg/Kg	1	7/21/2010 01:31 PM
Nickel	15	1.0		mg/Kg	1	7/21/2010 01:31 PM
Selenium	ND	1.0		mg/Kg	1	7/21/2010 01:31 PM
Silver	ND	1.0		mg/Kg	1	7/21/2010 01:31 PM
Thallium	ND	1.0		mg/Kg	1	7/21/2010 01:31 PM
Vanadium	44	1.0		mg/Kg	1	7/21/2010 01:31 PM
Zinc	35	1.0		mg/Kg	1	7/21/2010 01:31 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100721A	QC Batch: 65703			PrepDate:	7/20/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/21/2010 10:20 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65704** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123502**
Client ID: **PBS** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981182**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.288	2.0									
Arsenic	ND	1.0									
Barium	0.197	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	0.094	1.0									
Cobalt	0.398	1.0									
Copper	ND	2.0									
Lead	0.124	1.0									
Molybdenum	0.065	1.0									
Nickel	0.134	1.0									
Selenium	ND	1.0									
Thallium	ND	1.0									
Vanadium	0.034	1.0									
Zinc	0.255	1.0									

Sample ID: **LCS-65704** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123502**
Client ID: **LCSS** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981183**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.973	2.0	50.00	0.2877	95.4	80	120				
Arsenic	47.810	1.0	50.00	0	95.6	80	120				
Barium	53.445	1.0	50.00	0.1969	106	80	120				
Beryllium	49.407	1.0	50.00	0	98.8	80	120				
Cadmium	49.173	1.0	50.00	0	98.3	80	120				
Chromium	51.745	1.0	50.00	0.09432	103	80	120				
Cobalt	53.417	1.0	50.00	0.3976	106	80	120				
Copper	52.652	2.0	50.00	0	105	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65704** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123502**
Client ID: **LCSS** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981183**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.975	1.0	50.00	0.1242	102	80	120				
Molybdenum	51.343	1.0	50.00	0.06477	103	80	120				
Nickel	50.507	1.0	50.00	0.1344	101	80	120				
Selenium	45.510	1.0	50.00	0	91.0	80	120				
Thallium	44.249	1.0	50.00	0	88.5	80	120				
Vanadium	50.918	1.0	50.00	0.03363	102	80	120				
Zinc	48.684	1.0	50.00	0.2548	96.9	80	120				

Sample ID: **112768-022A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123502**
Client ID: **D1-L 3** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981185**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	0.685	1.0						0.8558	0	20	
Barium	80.282	1.0						81.62	1.65	20	
Beryllium	0.528	1.0						0.5064	0	20	
Cadmium	0.291	1.0						0.2909	0	20	
Chromium	7.750	1.0						7.880	1.67	20	
Cobalt	4.605	1.0						4.521	1.83	20	
Copper	18.643	2.0						18.26	2.10	20	
Lead	6.451	1.0						6.396	0.866	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	9.403	1.0						9.236	1.78	20	
Selenium	0.700	1.0						0.7970	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	20.995	1.0						20.51	2.34	20	
Zinc	31.295	1.0						30.92	1.19	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112768-022A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123502**
Client ID: **D1-L 3** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	76.918	2.0	125.0	0	61.5	32	105				
Arsenic	92.871	1.0	125.0	0.8558	73.6	49	106				
Barium	183.094	1.0	125.0	81.62	81.2	31	133				
Beryllium	99.408	1.0	125.0	0.5064	79.1	56	106				
Cadmium	94.705	1.0	125.0	0.2909	75.5	51	103				
Chromium	108.860	1.0	125.0	7.880	80.8	45	114				
Cobalt	103.278	1.0	125.0	4.521	79.0	52	106				
Copper	126.850	2.0	125.0	18.26	86.9	54	125				
Lead	104.251	1.0	125.0	6.396	78.3	34	126				
Molybdenum	94.123	1.0	125.0	0	75.3	54	106				
Nickel	106.374	1.0	125.0	9.236	77.7	45	111				
Selenium	92.105	1.0	125.0	0.7970	73.0	47	104				
Thallium	90.445	1.0	125.0	0	72.4	46	101				
Vanadium	123.503	1.0	125.0	20.51	82.4	54	114				
Zinc	122.190	1.0	125.0	30.92	73.0	28	125				

Sample ID: **112768-022A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123502**
Client ID: **D1-L 3** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	76.046	2.0	125.0	0	60.8	32	105	76.92	1.14	20	
Arsenic	88.640	1.0	125.0	0.8558	70.2	49	106	92.87	4.66	20	
Barium	172.063	1.0	125.0	81.62	72.4	31	133	183.1	6.21	20	
Beryllium	96.676	1.0	125.0	0.5064	76.9	56	106	99.41	2.79	20	
Cadmium	90.213	1.0	125.0	0.2909	71.9	51	103	94.71	4.86	20	
Chromium	103.180	1.0	125.0	7.880	76.2	45	114	108.9	5.36	20	
Cobalt	97.787	1.0	125.0	4.521	74.6	52	106	103.3	5.46	20	
Copper	117.727	2.0	125.0	18.26	79.6	54	125	126.8	7.46	20	
Lead	102.574	1.0	125.0	6.396	76.9	34	126	104.3	1.62	20	
Molybdenum	89.553	1.0	125.0	0	71.6	54	106	94.12	4.98	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112768-022A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123502**
Client ID: **D1-L 3** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	100.865	1.0	125.0	9.236	73.3	45	111	106.4	5.32	20	
Selenium	87.844	1.0	125.0	0.7970	69.6	47	104	92.10	4.74	20	
Thallium	85.821	1.0	125.0	0	68.7	46	101	90.44	5.25	20	
Vanadium	116.042	1.0	125.0	20.51	76.4	54	114	123.5	6.23	20	
Zinc	116.683	1.0	125.0	30.92	68.6	28	125	122.2	4.61	20	

Sample ID: **MB-65704** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123552**
Client ID: **PBS** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.053	1.0									

Sample ID: **LCS-65704** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123552**
Client ID: **LCSS** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	50.917	1.0	50.00	0.05337	102	80	120				

Sample ID: **112768-022A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123552**
Client ID: **D1-L 3** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	1.0						0	0	20	

Sample ID: **112768-022A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123552**
Client ID: **D1-L 3** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	105.878	1.0	125.0	0	84.7	56	112				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112768-022A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123552**
Client ID: **D1-L 3** Batch ID: **65704** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	101.548	1.0	125.0	0	81.2	56	112	105.9	4.17	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65705**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123506**
Client ID: **PBS**	Batch ID: **65705**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/21/2010**	SeqNo: **1981220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.012	1.0									
Chromium	ND	1.0									
Cobalt	0.154	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	0.056	1.0									
Nickel	0.105	1.0									
Selenium	ND	1.0									
Silver	0.039	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65705**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123506**
Client ID: **LCSS**	Batch ID: **65705**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/21/2010**	SeqNo: **1981221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.595	2.0	50.00	0	95.2	80	120				
Arsenic	47.169	1.0	50.00	0	94.3	80	120				
Barium	53.500	1.0	50.00	0	107	80	120				
Beryllium	49.195	1.0	50.00	0	98.4	80	120				
Cadmium	48.997	1.0	50.00	0.01235	98.0	80	120				
Chromium	51.766	1.0	50.00	0	104	80	120				
Cobalt	52.978	1.0	50.00	0.1537	106	80	120				
Copper	52.705	2.0	50.00	0	105	80	120				
Lead	51.115	1.0	50.00	0	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65705** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123506**
Client ID: **LCSS** Batch ID: **65705** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	51.133	1.0	50.00	0.05643	102	80	120				
Nickel	50.354	1.0	50.00	0.1049	100	80	120				
Selenium	44.695	1.0	50.00	0	89.4	80	120				
Silver	52.028	1.0	50.00	0.03914	104	80	120				
Thallium	43.744	1.0	50.00	0	87.5	80	120				
Vanadium	50.630	1.0	50.00	0	101	80	120				
Zinc	48.763	1.0	50.00	0	97.5	80	120				

Sample ID: **112768-056A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123506**
Client ID: **J1-L 1** Batch ID: **65705** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981223**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	3.045	1.0						2.995	1.67	20	
Barium	78.746	1.0						76.87	2.41	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.712	1.0						0.6191	0	20	
Chromium	20.623	1.0						20.71	0.406	20	
Cobalt	8.979	1.0						8.563	4.75	20	
Copper	9.311	2.0						9.070	2.62	20	
Lead	12.688	1.0						12.92	1.82	20	
Molybdenum	0.150	1.0						0.05970	0	20	
Nickel	16.231	1.0						16.29	0.378	20	
Selenium	0.905	1.0						1.013	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	42.548	1.0						43.76	2.80	20	
Zinc	44.637	1.0						43.95	1.55	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112768-056A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123506**
Client ID: **J1-L 1** Batch ID: **65705** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981224**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	99.922	1.0	125.0	2.995	77.5	49	106				
Barium	177.563	1.0	125.0	76.87	80.6	31	133				
Beryllium	105.713	1.0	125.0	0	84.6	56	106				
Cadmium	96.856	1.0	125.0	0.6191	77.0	51	103				
Chromium	122.921	1.0	125.0	20.71	81.8	45	114				
Cobalt	110.005	1.0	125.0	8.563	81.2	52	106				
Copper	124.315	2.0	125.0	9.070	92.2	54	125				
Lead	115.116	1.0	125.0	12.92	81.8	34	126				
Molybdenum	100.126	1.0	125.0	0.05970	80.1	54	106				
Nickel	114.324	1.0	125.0	16.29	78.4	45	111				
Silver	109.599	1.0	125.0	0	87.7	56	112				
Thallium	89.965	1.0	125.0	0	72.0	46	101				
Vanadium	147.880	1.0	125.0	43.76	83.3	54	114				
Zinc	137.905	1.0	125.0	43.95	75.2	28	125				

Sample ID: **112768-056A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123506**
Client ID: **J1-L 1** Batch ID: **65705** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	95.352	1.0	125.0	2.995	73.9	49	106	99.92	4.68	20	
Barium	161.957	1.0	125.0	76.87	68.1	31	133	177.6	9.19	20	
Beryllium	98.041	1.0	125.0	0	78.4	56	106	105.7	7.53	20	
Cadmium	90.450	1.0	125.0	0.6191	71.9	51	103	96.86	6.84	20	
Chromium	114.748	1.0	125.0	20.71	75.2	45	114	122.9	6.88	20	
Cobalt	102.385	1.0	125.0	8.563	75.1	52	106	110.0	7.18	20	
Copper	117.385	2.0	125.0	9.070	86.7	54	125	124.3	5.73	20	
Lead	102.558	1.0	125.0	12.92	71.7	34	126	115.1	11.5	20	
Molybdenum	94.166	1.0	125.0	0.05970	75.3	54	106	100.1	6.13	20	
Nickel	106.306	1.0	125.0	16.29	72.0	45	111	114.3	7.27	20	
Silver	103.988	1.0	125.0	0	83.2	56	112	109.6	5.25	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112768-056A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123506**
Client ID: **J1-L 1** Batch ID: **65705** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1981225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	84.705	1.0	125.0	0	67.8	46	101	89.96	6.02	20	
Vanadium	140.216	1.0	125.0	43.76	77.2	54	114	147.9	5.32	20	
Zinc	126.679	1.0	125.0	43.95	66.2	28	125	137.9	8.49	20	

Sample ID: **112768-056A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123506**
Client ID: **J1-L 1** Batch ID: **65705** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.180	2.0	125.0	0	71.3	32	105				
Selenium	101.647	1.0	125.0	1.013	80.5	47	104				

Sample ID: **112768-056A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123506**
Client ID: **J1-L 1** Batch ID: **65705** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982283**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.556	2.0	125.0	0	66.8	32	105	89.18	6.51	20	
Selenium	96.078	1.0	125.0	1.013	76.1	47	104	101.6	5.63	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65707**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123455**
Client ID: **PBS**	Batch ID: **65707**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/21/2010**	SeqNo: **1979776**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	0.018	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65707**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/20/2010**	RunNo: **123455**
Client ID: **LCSS**	Batch ID: **65707**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/21/2010**	SeqNo: **1979777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.241	2.0	50.00	0	94.5	80	120				
Arsenic	47.078	1.0	50.00	0	94.2	80	120				
Barium	51.786	1.0	50.00	0	104	80	120				
Beryllium	48.434	1.0	50.00	0	96.9	80	120				
Cadmium	47.444	1.0	50.00	0	94.9	80	120				
Chromium	50.063	1.0	50.00	0	100	80	120				
Cobalt	51.164	1.0	50.00	0	102	80	120				
Copper	51.967	2.0	50.00	0	104	80	120				
Lead	48.669	1.0	50.00	0	97.3	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65707** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123455**
Client ID: **LCSS** Batch ID: **65707** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	50.683	1.0	50.00	0	101	80	120				
Nickel	48.274	1.0	50.00	0	96.5	80	120				
Selenium	44.160	1.0	50.00	0	88.3	80	120				
Silver	51.618	1.0	50.00	0.01756	103	80	120				
Thallium	43.207	1.0	50.00	0	86.4	80	120				
Vanadium	49.027	1.0	50.00	0	98.1	80	120				
Zinc	47.113	1.0	50.00	0	94.2	80	120				

Sample ID: **112818-012A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123455**
Client ID: **ZZZZZZ** Batch ID: **65707** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.650	2.0						0.6088	0	20	
Arsenic	25.834	1.0						24.79	4.11	20	
Barium	231.175	1.0						210.2	9.48	20	
Beryllium	0.126	1.0						0.07635	0	20	
Cadmium	0.873	1.0						0.6705	0	20	
Chromium	30.708	1.0						26.64	14.2	20	
Cobalt	8.981	1.0						6.792	27.8	20	R
Copper	29.887	2.0						25.12	17.3	20	
Lead	114.370	1.0						128.4	11.5	20	
Molybdenum	0.571	1.0						0.4757	0	20	
Nickel	21.028	1.0						18.35	13.6	20	
Selenium	0.832	1.0						1.020	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	30.570	1.0						24.89	20.5	20	R
Zinc	217.433	1.0						161.5	29.5	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112818-012A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123455**
Client ID: **ZZZZZZ** Batch ID: **65707** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85.876	2.0	125.0	0.6088	68.2	32	105				
Arsenic	135.205	1.0	125.0	24.79	88.3	49	106				
Barium	372.992	1.0	125.0	210.2	130	31	133				
Beryllium	105.837	1.0	125.0	0.07635	84.6	56	106				
Cadmium	99.083	1.0	125.0	0.6705	78.7	51	103				
Chromium	133.484	1.0	125.0	26.64	85.5	45	114				
Cobalt	111.737	1.0	125.0	6.792	84.0	52	106				
Copper	143.086	2.0	125.0	25.12	94.4	54	125				
Lead	213.184	1.0	125.0	128.4	67.8	34	126				
Molybdenum	101.635	1.0	125.0	0.4757	80.9	54	106				
Nickel	121.115	1.0	125.0	18.35	82.2	45	111				
Selenium	95.358	1.0	125.0	1.020	75.5	47	104				
Silver	109.470	1.0	125.0	0	87.6	56	112				
Thallium	94.904	1.0	125.0	0	75.9	46	101				
Vanadium	134.262	1.0	125.0	24.89	87.5	54	114				
Zinc	274.114	1.0	125.0	161.5	90.1	28	125				

Sample ID: **112818-012A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123455**
Client ID: **ZZZZZZ** Batch ID: **65707** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.043	2.0	125.0	0.6088	70.7	32	105	85.88	3.62	20	
Arsenic	139.160	1.0	125.0	24.79	91.5	49	106	135.2	2.88	20	
Barium	399.322	1.0	125.0	210.2	151	31	133	373.0	6.82	20	S
Beryllium	106.809	1.0	125.0	0.07635	85.4	56	106	105.8	0.914	20	
Cadmium	99.576	1.0	125.0	0.6705	79.1	51	103	99.08	0.496	20	
Chromium	131.114	1.0	125.0	26.64	83.6	45	114	133.5	1.79	20	
Cobalt	111.158	1.0	125.0	6.792	83.5	52	106	111.7	0.520	20	
Copper	145.053	2.0	125.0	25.12	95.9	54	125	143.1	1.37	20	
Lead	196.576	1.0	125.0	128.4	54.6	34	126	213.2	8.11	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112818-012A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123455**
Client ID: **ZZZZZZ** Batch ID: **65707** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/21/2010** SeqNo: **1979781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	102.103	1.0	125.0	0.4757	81.3	54	106	101.6	0.459	20	
Nickel	120.808	1.0	125.0	18.35	82.0	45	111	121.1	0.254	20	
Selenium	95.835	1.0	125.0	1.020	75.9	47	104	95.36	0.499	20	
Silver	109.427	1.0	125.0	0	87.5	56	112	109.5	0.0388	20	
Thallium	94.812	1.0	125.0	0	75.8	46	101	94.90	0.0969	20	
Vanadium	131.772	1.0	125.0	24.89	85.5	54	114	134.3	1.87	20	
Zinc	262.831	1.0	125.0	161.5	81.0	28	125	274.1	4.20	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65795**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123613**
Client ID: **PBS**	Batch ID: **65795**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/23/2010**	SeqNo: **1983600**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	0.131	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	0.025	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65795**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123613**
Client ID: **LCSS**	Batch ID: **65795**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/23/2010**	SeqNo: **1983601**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	50.020	2.0	50.00	0	100	80	120				
Arsenic	49.939	1.0	50.00	0	99.9	80	120				
Barium	52.592	1.0	50.00	0	105	80	120				
Beryllium	52.130	1.0	50.00	0	104	80	120				
Cadmium	51.464	1.0	50.00	0	103	80	120				
Chromium	50.889	1.0	50.00	0	102	80	120				
Cobalt	52.907	1.0	50.00	0	106	80	120				
Copper	51.163	2.0	50.00	0	102	80	120				
Lead	51.730	1.0	50.00	0.1313	103	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65795** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123613**
Client ID: **LCSS** Batch ID: **65795** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983601**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	53.357	1.0	50.00	0	107	80	120				
Nickel	50.272	1.0	50.00	0	101	80	120				
Selenium	49.053	1.0	50.00	0	98.1	80	120				
Silver	50.885	1.0	50.00	0.02521	102	80	120				
Thallium	49.092	1.0	50.00	0	98.2	80	120				
Vanadium	52.785	1.0	50.00	0	106	80	120				
Zinc	50.618	1.0	50.00	0	101	80	120				

Sample ID: **112768-089A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123613**
Client ID: **P1-L 1** Batch ID: **65795** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983611**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	4.118	1.0						4.171	1.28	20	
Barium	106.888	1.0						104.6	2.18	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.009	1.0						0.01085	0	20	
Chromium	10.211	1.0						10.83	5.87	20	
Cobalt	235.176	1.0						246.4	4.68	20	
Copper	75.898	2.0						80.92	6.41	20	
Lead	4.646	1.0						6.987	40.2	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	56.970	1.0						59.91	5.04	20	
Selenium	ND	1.0						0	0	20	
Silver	0.424	1.0						0.4208	0	20	
Thallium	0.708	1.0						0.8649	0	20	
Vanadium	76.804	1.0						78.41	2.07	20	
Zinc	31.174	1.0						31.45	0.897	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112768-089A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123613**
Client ID: **P1-L 1** Batch ID: **65795** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983612**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.357	2.0	125.0	0	71.5	32	105				
Arsenic	110.639	1.0	125.0	4.171	85.2	49	106				
Barium	218.113	1.0	125.0	104.6	90.8	31	133				
Beryllium	113.635	1.0	125.0	0	90.9	56	106				
Cadmium	102.911	1.0	125.0	0.01085	82.3	51	103				
Chromium	120.839	1.0	125.0	10.83	88.0	45	114				
Cobalt	369.107	1.0	125.0	246.4	98.1	52	106				
Copper	196.489	2.0	125.0	80.92	92.5	54	125				
Lead	109.254	1.0	125.0	6.987	81.8	34	126				
Molybdenum	104.393	1.0	125.0	0	83.5	54	106				
Nickel	166.727	1.0	125.0	59.91	85.5	45	111				
Selenium	106.231	1.0	125.0	0	85.0	47	104				
Silver	113.997	1.0	125.0	0.4208	90.9	56	112				
Thallium	99.891	1.0	125.0	0.8649	79.2	46	101				
Vanadium	203.178	1.0	125.0	78.41	99.8	54	114				
Zinc	134.626	1.0	125.0	31.45	82.5	28	125				

Sample ID: **112768-089A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123613**
Client ID: **P1-L 1** Batch ID: **65795** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983613**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.890	2.0	125.0	0	63.1	32	105	89.36	12.4	20	
Arsenic	103.594	1.0	125.0	4.171	79.5	49	106	110.6	6.58	20	
Barium	202.933	1.0	125.0	104.6	78.7	31	133	218.1	7.21	20	
Beryllium	106.041	1.0	125.0	0	84.8	56	106	113.6	6.91	20	
Cadmium	96.257	1.0	125.0	0.01085	77.0	51	103	102.9	6.68	20	
Chromium	112.257	1.0	125.0	10.83	81.1	45	114	120.8	7.36	20	
Cobalt	314.511	1.0	125.0	246.4	54.5	52	106	369.1	16.0	20	
Copper	177.912	2.0	125.0	80.92	77.6	54	125	196.5	9.92	20	
Lead	102.306	1.0	125.0	6.987	76.3	34	126	109.3	6.57	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112768-089A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123613**
Client ID: **P1-L 1** Batch ID: **65795** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983613**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	98.191	1.0	125.0	0	78.6	54	106	104.4	6.12	20	
Nickel	151.922	1.0	125.0	59.91	73.6	45	111	166.7	9.29	20	
Selenium	100.161	1.0	125.0	0	80.1	47	104	106.2	5.88	20	
Silver	107.082	1.0	125.0	0.4208	85.3	56	112	114.0	6.26	20	
Thallium	94.558	1.0	125.0	0.8649	75.0	46	101	99.89	5.48	20	
Vanadium	192.782	1.0	125.0	78.41	91.5	54	114	203.2	5.25	20	
Zinc	125.685	1.0	125.0	31.45	75.4	28	125	134.6	6.87	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65728A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123509**
Client ID: **PBS** Batch ID: **65728** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981275**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65728** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123509**
Client ID: **LCSS** Batch ID: **65728** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981276**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	266.831	5.0	250.0	0	107	80	120				

Sample ID: **112768-016A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123509**
Client ID: **C1-L 3** Batch ID: **65728** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.102	5.0						5.761	12.1	20	

Sample ID: **112768-016A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123509**
Client ID: **C1-L 3** Batch ID: **65728** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	205.787	5.0	250.0	5.761	80.0	34	126				

Sample ID: **MB-65728B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123509**
Client ID: **PBS** Batch ID: **65728** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112768-032A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123509**
Client ID: **F1-L 1** Batch ID: **65728** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981300**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	102.316	5.0						98.02	4.29	20	

Sample ID: **112768-032A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123509**
Client ID: **F1-L 1** Batch ID: **65728** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981301**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	246.072	5.0	250.0	98.02	59.2	34	126				

Sample ID: **112768-032A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123509**
Client ID: **F1-L 1** Batch ID: **65728** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981302**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	329.751	5.0	250.0	98.02	92.7	34	126	246.1	29.1	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65729A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123510**
Client ID: **PBS** Batch ID: **65729** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65729** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123510**
Client ID: **LCSS** Batch ID: **65729** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	267.882	5.0	250.0	0	107	80	120				

Sample ID: **112768-048A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123510**
Client ID: **H1-L 6** Batch ID: **65729** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.011	5.0						5.669	5.86	20	

Sample ID: **112768-048A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123510**
Client ID: **H1-L 6** Batch ID: **65729** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	197.688	5.0	250.0	5.669	76.8	34	126				

Sample ID: **MB-65729B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123510**
Client ID: **PBS** Batch ID: **65729** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112768-063A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123510**
Client ID: **K1-L 3**	Batch ID: **65729**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.528	5.0						2.965	0	20	

Sample ID: **112768-063A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123510**
Client ID: **K1-L 3**	Batch ID: **65729**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981331**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	199.944	5.0	250.0	2.965	78.8	34	126				

Sample ID: **112768-063A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123510**
Client ID: **K1-L 3**	Batch ID: **65729**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981332**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	214.335	5.0	250.0	2.965	84.5	34	126	199.9	6.95	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65730A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123521**
Client ID: **PBS** Batch ID: **65730** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65730** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123521**
Client ID: **LCSS** Batch ID: **65730** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280.658	5.0	250.0	0	112	80	120				

Sample ID: **112768-079A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123521**
Client ID: **N1-L 2** Batch ID: **65730** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.431	5.0						8.058	34.6	20	R

Sample ID: **112768-079A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123521**
Client ID: **N1-L 2** Batch ID: **65730** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	226.497	5.0	250.0	8.058	87.4	34	126				

Sample ID: **MB-65730B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123521**
Client ID: **PBS** Batch ID: **65730** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112768-094A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123521**
Client ID: **Q1-L 1**	Batch ID: **65730**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	115.804	5.0						66.47	54.1	20	R

Sample ID: **112768-094A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123521**
Client ID: **Q1-L 1**	Batch ID: **65730**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	292.004	5.0	250.0	66.47	90.2	34	126				

Sample ID: **112768-094A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123521**
Client ID: **Q1-L 1**	Batch ID: **65730**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	293.707	5.0	250.0	66.47	90.9	34	126	292.0	0.582	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112768
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65731A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **PBS** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65731** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **LCSS** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981352**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280.967	5.0	250.0	0	112	80	120				

Sample ID: **112787-014A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **ZZZZZZ** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.592	5.0						8.017	0	20	

Sample ID: **112787-014A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **ZZZZZZ** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.517	5.0	250.0	8.017	80.6	34	126				

Sample ID: **MB-65731B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **PBS** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981365**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112787-032A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **ZZZZZZ** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	68.075	5.0						100.2	38.1	20	R

Sample ID: **112787-032A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **ZZZZZZ** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981377**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	265.115	5.0	250.0	100.2	66.0	34	126				

Sample ID: **112787-032A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **ZZZZZZ** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981378**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290.415	5.0	250.0	100.2	76.1	34	126	265.1	9.11	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112713-011A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **ZZZZZZ** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.900	0.10	5.000	0	98.0	85	115				

Sample ID: **112713-011A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **ZZZZZZ** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.940	0.10	5.000	0	98.8	85	115	4.900	0.813	20	

Sample ID: **112768-083A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **O1-L 0.5** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979629**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **LCS-65719** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **LCSS** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979630**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.940	0.10	5.000	0	98.8	85	115				

Sample ID: **MB-65719** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123446**
Client ID: **PBS** Batch ID: **65719** TestNo: **EPA 7196A** Analysis Date: **7/20/2010** SeqNo: **1979631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65700** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123471**
Client ID: **PBS** Batch ID: **65700** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980459**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65700** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123471**
Client ID: **LCSS** Batch ID: **65700** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.782	0.10	0.8300	0	94.3	80	120				

Sample ID: **112768-022A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123471**
Client ID: **D1-L 3** Batch ID: **65700** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.885	0.10	0.8300	0.06087	99.3	70	130				

Sample ID: **112768-022A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123471**
Client ID: **D1-L 3** Batch ID: **65700** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.887	0.10	0.8300	0.06087	99.6	70	130	0.8851	0.264	20	

Sample ID: **112768-022A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123471**
Client ID: **D1-L 3** Batch ID: **65700** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.059	0.10						0.06087	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65701** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123479**
Client ID: **PBS** Batch ID: **65701** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65701** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123479**
Client ID: **LCSS** Batch ID: **65701** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.798	0.10	0.8300	0	96.2	80	120				

Sample ID: **112768-056A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123479**
Client ID: **J1-L 1** Batch ID: **65701** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.916	0.10	0.8300	0.09964	98.3	70	130				

Sample ID: **112768-056A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123479**
Client ID: **J1-L 1** Batch ID: **65701** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.915	0.10	0.8300	0.09964	98.2	70	130	0.9159	0.141	20	

Sample ID: **112768-056A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123479**
Client ID: **J1-L 1** Batch ID: **65701** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980593**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.101	0.10						0.09964	0.963	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65702** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123485**
Client ID: **PBS** Batch ID: **65702** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65702** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123485**
Client ID: **LCSS** Batch ID: **65702** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.805	0.10	0.8300	0	97.0	80	120				

Sample ID: **112768-089A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123485**
Client ID: **P1-L 1** Batch ID: **65702** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980788**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.826	0.10	0.8300	0	99.5	70	130				

Sample ID: **112768-089A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123485**
Client ID: **P1-L 1** Batch ID: **65702** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.821	0.10	0.8300	0	98.9	70	130	0.8255	0.599	20	

Sample ID: **112768-089A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123485**
Client ID: **P1-L 1** Batch ID: **65702** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1980791**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65703** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123445**
Client ID: **PBS** Batch ID: **65703** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1979605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65703** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123445**
Client ID: **LCSS** Batch ID: **65703** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1979606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.837	0.10	0.8300	0	101	80	120				

Sample ID: **112818-012A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123445**
Client ID: **ZZZZZZ** Batch ID: **65703** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1979607**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.479	0.10	0.8300	0.4527	124	70	130				

Sample ID: **112818-012A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123445**
Client ID: **ZZZZZZ** Batch ID: **65703** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1979608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.491	0.10	0.8300	0.4527	125	70	130	1.479	0.813	20	

Sample ID: **112818-012A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/20/2010** RunNo: **123445**
Client ID: **ZZZZZZ** Batch ID: **65703** TestNo: **EPA 7471A** Analysis Date: **7/21/2010** SeqNo: **1979610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.497	0.10						0.4527	9.29	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112768-054ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123522**
Client ID: **I1-L 6** Batch ID: **R123522** TestNo: **EPA 9045C** Analysis Date: **7/21/2010** SeqNo: **1981513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.300	0.10						8.310	0.120	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112768-093ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123539**
Client ID: **P1-L 6** Batch ID: **R123539** TestNo: **EPA 9045C** Analysis Date: **7/22/2010** SeqNo: **1981808**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.960	0.10						8.730	2.60	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: Quote #:
Logged By: Date: 7/16/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

Sample Condition Upon Receipt (6.2)
1. CHILLED Y N
2. HEADSPACE (VOA) n/a Y N
3. CONTAINER INTACT Y N
4. SEALED Y N
5. # OF SPLS MATCH COC Y N
6. PRESERVED Y N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: Lauren Vigliotti (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/15/10 Time: 1400 Received by: (Signature and Printed Name) Date: 7/16/10 Time: 9:18
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Lauren Vigliotti 7/15/10 (Print Name, Date)
Signature: Lauren Vigliotti

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Day~~
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
Randomly select 10% of samples for pH analysis.

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		TD
112768-1/6	A1-L (0.5, 1, 2, 3, 4, 6)	7/15/10	0600							X					X							E	6	T	P	6
-7/12	B1-L (0.5, 1, 2, 3, 4, 6)		0620				X								X											6
-13/18	C1-L (0.5, 1, 2, 3, 4, 6)		0650				X								X											6
-19/24	D1-L (0.5, 1, 2, 3, 4, 6)		0715							X					X											6
-25/30	E1-L (0.5, 1, 2, 3, 4, 6)		0730				X								X											6
	E1-L (0.5)		0730								X				X								1			—
-31/36	F1-L (0.5, 1, 2, 3, 4, 6)		0750				X								X								6			6
-37/42	G1-L (0.5, 1, 2, 3, 4, 6)		0815							X					X								6			6
	C1-L (0.5)		0650								X				X								1			—
	~~N1-L (0.5)~~										~~X~~				~~X~~											

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: E-Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: See page 1 (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/15/10 Time: 1400
Received by: (Signature and Printed Name) Date: 7/16/10 Time: 908

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: _____
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See page 1

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		TD
112758-43/48	H1-L (0.5, 1, 2, 3, 4, 6)	7/15/10	0845				X									X						E	6	T	P	6
-49/54	I1-L (0.5, 1, 2, 3, 4, 6)		0910				X									X							6			6
-55/59	J1-L (0.5, 1, 2, 3, 4, [redacted]		0930							X						X							5			5
	J1-L (0.5)		0930								X					X							1			—
-60/64	K1-L (0.5, 1, 2, 3, 4, [redacted]		0950				X									X							5			4
-65/70	L1-L (0.5, 1, 2, 3, 4, 6)		1005				X									X							6			6
-71/76	M1-L (0.5, 1, 2, 3, 4, 6)		1030							X						X							6			6
-77/82	N1-L (0.5, 1, 2, 3, 4, 6)		1050				X									X										
	H1-L (0.5)		0815								X					X							1			—
	~~L1-L (0.5)~~										X					X										

■ TAT starts 8AM the following day if samples received after 5 PM

TAT: E-Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: See page 1 (Signature)

Relinquished by: (Signature and Printed Name) Lauren Vigliotti Date: 7/15/10 Time: 1400 Received by: (Signature and Printed Name) Maya M. Date: 7/16/10 Time: 918

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: _____
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: ~~Rick Day~~
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: See page 1

		DATE	TIME	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		TD
112768-83/88	O1-L (0.5, 1, 2, 3, 4, 6)	7/15/10	1110				X									X						E	6	T	P	6
	O1-L (0.5)		1110								X					X							1			—
-89/93	P1-L (~~[illegible]~~ 1, 2, 3, 4, 6)		1145							X						X							5			6
-94/98	Q1-L (~~[illegible]~~ 1, 2, 3, 4, 6)		1210				X									X							5			6
	~~R1-L (0.5, 1, 2, 3, 4, 6)~~		~~1240~~							X						X										
	~~S1-L (0.5, 1, 2, 3, 4, 6)~~									X						X										
	~~W-MED (0.5, 1, 2, 3, 4, 6)~~						X									X										
	~~W-MED (0.5)~~										X					X										
	~~X-MED (0.5, 1, 2, 3, 4, 6)~~									X						X										

- TAT starts 8AM the following day if samples received after 5 PM

TAT: E-Standard

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

August 10, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112768

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 16, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112768

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112768-071A and 112768-072A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/10/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-031A	F1-L 0.5	4.4	mg/L	65928	0.25	1	7/15/2010	7/30/2010
112768-032A	F1-L 1	4.8	mg/L	65928	0.25	1	7/15/2010	7/30/2010
112768-071A	M1-L 0.5	26	mg/L	65928	2.5	10	7/15/2010	7/30/2010
112768-072A	M1-L 1	13	mg/L	65928	1.2	5	7/15/2010	7/30/2010
112768-074A	M1-L 3	3.3	mg/L	65928	0.25	1	7/15/2010	7/30/2010
112768-094A	Q1-L 1	2.5	mg/L	65928	0.25	1	7/15/2010	7/30/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/10/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (TCLP)
EPA 1311/ 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-001A	A1-L 0.5	0.43	mg/L	66080	0.25	1	7/15/2010	8/5/2010
112768-002A	A1-L 1	3.9	mg/L	66080	0.25	1	7/15/2010	8/5/2010
112768-076A	M1-L 6	3.3	mg/L	66080	0.25	1	7/15/2010	8/5/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65928A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **PBS** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65928** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **LCSS** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987455**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.974	0.25	5.000	0	99.5	80	120				

Sample ID: **112768-072A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **M1-L 1** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987465**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.140	1.2						13.24	0.796	20	

Sample ID: **112768-072A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **M1-L 1** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987466**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.910	1.2	5.000	13.24	113	80	120				

Sample ID: **112787-072A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **ZZZZZZ** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987474**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0.2277	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112787-072A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123819**
Client ID: **ZZZZZZ**	Batch ID: **65928**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/30/2010**	SeqNo: **1987475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.344	0.25	5.000	0.2277	102	80	120				

Sample ID: **112787-072A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123819**
Client ID: **ZZZZZZ**	Batch ID: **65928**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/30/2010**	SeqNo: **1987476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.389	0.25	5.000	0.2277	103	80	120	5.344	0.839	20	

Sample ID: **MB-65928B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123819**
Client ID: **PBS**	Batch ID: **65928**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/30/2010**	SeqNo: **1987477**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-66080** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/5/2010** RunNo: **123972**
Client ID: **PBS** Batch ID: **66080** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/5/2010** SeqNo: **1991149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-66068A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/5/2010** RunNo: **123972**
Client ID: **PBS** Batch ID: **66080** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/5/2010** SeqNo: **1991150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66080** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/5/2010** RunNo: **123972**
Client ID: **LCSS** Batch ID: **66080** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/5/2010** SeqNo: **1991151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.059	0.25	1.000	0	106	80	120				

Sample ID: **112768-076A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/5/2010** RunNo: **123972**
Client ID: **M1-L 6** Batch ID: **66080** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/5/2010** SeqNo: **1991155**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.382	0.25						3.252	3.92	20	

Sample ID: **112768-076A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/5/2010** RunNo: **123972**
Client ID: **M1-L 6** Batch ID: **66080** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/5/2010** SeqNo: **1991156**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.050	0.25	2.500	3.252	112	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **112768-076A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/5/2010** RunNo: **123972**
Client ID: **M1-L 6** Batch ID: **66080** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/5/2010** SeqNo: **1991157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.950	0.25	2.500	3.252	108	70	130	6.050	1.66	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Tuesday, August 03, 2010 11:29 AM
To: Diane Galvan
Cc: 'David Watts'; day@geoconinc.com
Subject: FW: EB I-580 Truck Climbing Lane - E8435-06-47- Spreadsheets 112768 & 112787

Diane, please run the following samples under standard TAT. Thank you!

WO112768

Pb WET:
F1-L 0.5
F1-L 1
M1-L 0.5
M1-L 1
M1-L 3
Q1-L 1

Pb TCLP:
A1-L 0.5
A1-L 1
M1-L 6

WO112787

Pb WET:
AD-MED 3
AD-MED 4
AN-MED 3
AN-MED 4
Z-MED 3

****

Lauren Vigliotti

Senior Staff Geologist

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 321-3291

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank Bakersfield Sacramento Livermore
Carson City Portland

CONFIDENTIALITY NOTICE: This e-mail may contain confidential and privileged material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by others is strictly prohibited. If you have received this communication in error, please notify the sender immediately by e-mail and delete the message and any file attachments from your computer. Thank you.

August 18, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112768

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 16, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: 8/18/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112768
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/16/2010 9:08:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112768-071A	M1-L 0.5	ND	mg/L	66216	0.25	1	7/15/2010	8/16/2010
112768-072A	M1-L 1	ND	mg/L	66216	0.25	1	7/15/2010	8/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112768
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-66216A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **PBS** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66216** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **LCSS** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.082	0.25	5.000	0	102	80	120				

Sample ID: **112787-031A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **ZZZZZZ** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112787-031A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **ZZZZZZ** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.132	0.25	5.000	0	103	70	130				

Sample ID: **112787-031A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **ZZZZZZ** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.154	0.25	5.000	0	103	70	130	5.132	0.424	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Wednesday, August 11, 2010 1:23 PM
To: Diane Galvan
Subject: FW: TO-47 results (112768add and 112787add)

Hi Diane,

Please run Pb DI-WET for the following, standard TAT

WO 112768:
M1-L 0.5
M1-L 1

WO 112787:
Z-MED 3
AD-MED 3

Thanks,
Lauren

July 26, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112787

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 17, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112787

CASE NARRATIVE

Analytical Comments for Method 6010

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112787-018ADUP, 112787-032ADUP, 112787-040ADUP, 112787-046ADUP, 112787-060AMSD, 112787-070ADUP, 112787-072ADUP and 112787-072AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
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Date: 7/26/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112787
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/17/2010 9:35:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112787-009A	Y-MED 1	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-010A	Y-MED 2	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-011A	Y-MED 3	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-012A	Y-MED 4	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-013A	Z-MED 1	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-014A	Z-MED 2	8.0	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-015A	Z-MED 3	280	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-016A	Z-MED 4	5.7	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-021A	AB-MED 1	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-022A	AB-MED 2	31	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-023A	AB-MED 3	9.2	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-024A	AB-MED 4	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-029A	AD-MED 1	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-030A	AD-MED 2	ND	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-031A	AD-MED 3	130	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-032A	AD-MED 4	100	mg/Kg	65731	5.0	1	7/16/2010	7/22/2010
112787-033A	AE-MED 1	ND	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-034A	AE-MED 2	6.5	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/26/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112787
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/17/2010 9:35:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112787-035A	AE-MED 3	7.6	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-036A	AE-MED 4	7.4	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-041A	AG-MED 1	ND	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-042A	AG-MED 2	8.3	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-043A	AG-MED 3	7.5	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-044A	AG-MED 4	6.6	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-045A	AH-MED 1	ND	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-046A	AH-MED 2	9.9	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-047A	AH-MED 3	14	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-048A	AH-MED 4	11	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-053A	AJ-MED 1	ND	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-054A	AJ-MED 2	11	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-055A	AJ-MED 3	6.9	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-056A	AJ-MED 4	ND	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-057A	AK-MED 1	5.6	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-058A	AK-MED 2	ND	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-059A	AK-MED 3	7.1	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010
112787-060A	AK-MED 4	6.5	mg/Kg	65732	5.0	1	7/16/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/26/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112787
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/17/2010 9:35:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112787-065A	AM-MED 1	ND	mg/Kg	65733	5.0	1	7/16/2010	7/23/2010
112787-066A	AM-MED 2	ND	mg/Kg	65733	5.0	1	7/16/2010	7/23/2010
112787-067A	AM-MED 3	ND	mg/Kg	65733	5.0	1	7/16/2010	7/23/2010
112787-068A	AM-MED 4	5.6	mg/Kg	65733	5.0	1	7/16/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/26/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112787
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/17/2010 9:35:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112787-021A	AB-MED 1	ND	mg/Kg	65846	0.10	1	7/16/2010	7/23/2010
112787-041A	AG-MED 1	ND	mg/Kg	65846	0.10	1	7/16/2010	7/23/2010
112787-061A	AL-MED 1	ND	mg/Kg	65846	0.10	1	7/16/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: 7/26/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112787
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/17/2010 9:35:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112787-001A	R1-L 1	8.0	pH Units	R123632	0.10	1	7/16/2010	7/23/2010
112787-010A	Y-MED 2	8.4	pH Units	R123632	0.10	1	7/16/2010	7/23/2010
112787-020A	AA-MED 4	7.9	pH Units	R123632	0.10	1	7/16/2010	7/23/2010
112787-030A	AD-MED 2	8.2	pH Units	R123632	0.10	1	7/16/2010	7/23/2010
112787-040A	AF-MED 4	8.6	pH Units	R123632	0.10	1	7/16/2010	7/23/2010
112787-050A	AI-MED 2	8.2	pH Units	R123632	0.10	1	7/16/2010	7/23/2010
112787-060A	AK-MED 4	8.4	pH Units	R123632	0.10	1	7/16/2010	7/23/2010
112787-070A	AN-MED 2	7.9	pH Units	R123632	0.10	1	7/16/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	R1-L 1
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 05:34 PM
Arsenic	ND	1.0		mg/Kg	1	7/22/2010 05:34 PM
Barium	76	1.0		mg/Kg	1	7/22/2010 05:34 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 05:34 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 05:34 PM
Chromium	23	1.0		mg/Kg	1	7/22/2010 05:34 PM
Cobalt	7.7	1.0		mg/Kg	1	7/22/2010 05:34 PM
Copper	15	2.0		mg/Kg	1	7/22/2010 05:34 PM
Lead	6.2	1.0		mg/Kg	1	7/22/2010 05:34 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 05:34 PM
Nickel	40	1.0		mg/Kg	1	7/22/2010 05:34 PM
Selenium	ND	1.0		mg/Kg	1	7/22/2010 05:34 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 05:34 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 05:34 PM
Vanadium	38	1.0		mg/Kg	1	7/22/2010 05:34 PM
Zinc	29	1.0		mg/Kg	1	7/22/2010 05:34 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 10:45 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	R1-L 2
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 05:38 PM
Arsenic	ND	1.0		mg/Kg	1	7/22/2010 05:38 PM
Barium	86	1.0		mg/Kg	1	7/22/2010 05:38 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 05:38 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 05:38 PM
Chromium	27	1.0		mg/Kg	1	7/22/2010 05:38 PM
Cobalt	9.3	1.0		mg/Kg	1	7/22/2010 05:38 PM
Copper	18	2.0		mg/Kg	1	7/22/2010 05:38 PM
Lead	6.4	1.0		mg/Kg	1	7/22/2010 05:38 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 05:38 PM
Nickel	49	1.0		mg/Kg	1	7/22/2010 05:38 PM
Selenium	1.1	1.0		mg/Kg	1	7/22/2010 05:38 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 05:38 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 05:38 PM
Vanadium	20	1.0		mg/Kg	1	7/22/2010 05:38 PM
Zinc	33	1.0		mg/Kg	1	7/22/2010 05:38 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 10:47 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	R1-L 3
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750				PrepDate: 7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 05:41 PM
Arsenic	4.4	1.0		mg/Kg	1	7/22/2010 05:41 PM
Barium	54	1.0		mg/Kg	1	7/22/2010 05:41 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 05:41 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 05:41 PM
Chromium	21	1.0		mg/Kg	1	7/22/2010 05:41 PM
Cobalt	9.5	1.0		mg/Kg	1	7/22/2010 05:41 PM
Copper	16	2.0		mg/Kg	1	7/22/2010 05:41 PM
Lead	4.0	1.0		mg/Kg	1	7/22/2010 05:41 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 05:41 PM
Nickel	20	1.0		mg/Kg	1	7/22/2010 05:41 PM
Selenium	1.3	1.0		mg/Kg	1	7/22/2010 05:41 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 05:41 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 05:41 PM
Vanadium	41	1.0		mg/Kg	1	7/22/2010 05:41 PM
Zinc	47	1.0		mg/Kg	1	7/22/2010 05:41 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744				PrepDate: 7/22/2010	Analyst: **IL**
Mercury	0.32	0.10		mg/Kg	1	7/23/2010 10:49 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	R1-L 4
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-004A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750				PrepDate: 7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 05:45 PM
Arsenic	ND	1.0		mg/Kg	1	7/22/2010 05:45 PM
Barium	51	1.0		mg/Kg	1	7/22/2010 05:45 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 05:45 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 05:45 PM
Chromium	23	1.0		mg/Kg	1	7/22/2010 05:45 PM
Cobalt	8.6	1.0		mg/Kg	1	7/22/2010 05:45 PM
Copper	17	2.0		mg/Kg	1	7/22/2010 05:45 PM
Lead	2.3	1.0		mg/Kg	1	7/22/2010 05:45 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 05:45 PM
Nickel	19	1.0		mg/Kg	1	7/22/2010 05:45 PM
Selenium	ND	1.0		mg/Kg	1	7/22/2010 05:45 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 05:45 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 05:45 PM
Vanadium	43	1.0		mg/Kg	1	7/22/2010 05:45 PM
Zinc	53	1.0		mg/Kg	1	7/22/2010 05:45 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744				PrepDate: 7/22/2010	Analyst: **IL**
Mercury	0.14	0.10		mg/Kg	1	7/23/2010 10:55 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X-MED 1
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-005A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 05:49 PM
Arsenic	ND	1.0		mg/Kg	1	7/22/2010 05:49 PM
Barium	86	1.0		mg/Kg	1	7/22/2010 05:49 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 05:49 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 05:49 PM
Chromium	15	1.0		mg/Kg	1	7/22/2010 05:49 PM
Cobalt	14	1.0		mg/Kg	1	7/22/2010 05:49 PM
Copper	18	2.0		mg/Kg	1	7/22/2010 05:49 PM
Lead	3.1	1.0		mg/Kg	1	7/22/2010 05:49 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 05:49 PM
Nickel	13	1.0		mg/Kg	1	7/22/2010 05:49 PM
Selenium	1.4	1.0		mg/Kg	1	7/22/2010 05:49 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 05:49 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 05:49 PM
Vanadium	120	1.0		mg/Kg	1	7/22/2010 05:49 PM
Zinc	35	1.0		mg/Kg	1	7/22/2010 05:49 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 10:57 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X-MED 2
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-006A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 05:52 PM
Arsenic	ND	1.0		mg/Kg	1	7/22/2010 05:52 PM
Barium	71	1.0		mg/Kg	1	7/22/2010 05:52 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 05:52 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 05:52 PM
Chromium	16	1.0		mg/Kg	1	7/22/2010 05:52 PM
Cobalt	9.3	1.0		mg/Kg	1	7/22/2010 05:52 PM
Copper	14	2.0		mg/Kg	1	7/22/2010 05:52 PM
Lead	3.0	1.0		mg/Kg	1	7/22/2010 05:52 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 05:52 PM
Nickel	12	1.0		mg/Kg	1	7/22/2010 05:52 PM
Selenium	ND	1.0		mg/Kg	1	7/22/2010 05:52 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 05:52 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 05:52 PM
Vanadium	200	1.0		mg/Kg	1	7/22/2010 05:52 PM
Zinc	31	1.0		mg/Kg	1	7/22/2010 05:52 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 10:59 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X-MED 3
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-007A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 06:03 PM
Arsenic	9.7	1.0		mg/Kg	1	7/22/2010 06:03 PM
Barium	88	1.0		mg/Kg	1	7/22/2010 06:03 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 06:03 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 06:03 PM
Chromium	21	1.0		mg/Kg	1	7/22/2010 06:03 PM
Cobalt	12	1.0		mg/Kg	1	7/22/2010 06:03 PM
Copper	32	2.0		mg/Kg	1	7/22/2010 06:03 PM
Lead	6.8	1.0		mg/Kg	1	7/22/2010 06:03 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 06:03 PM
Nickel	27	1.0		mg/Kg	1	7/22/2010 06:03 PM
Selenium	1.3	1.0		mg/Kg	1	7/22/2010 06:03 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 06:03 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 06:03 PM
Vanadium	38	1.0		mg/Kg	1	7/22/2010 06:03 PM
Zinc	60	1.0		mg/Kg	1	7/22/2010 06:03 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.53	0.10		mg/Kg	1	7/23/2010 11:01 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X-MED 4
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-008A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 06:07 PM
Arsenic	12	1.0		mg/Kg	1	7/22/2010 06:07 PM
Barium	65	1.0		mg/Kg	1	7/22/2010 06:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 06:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 06:07 PM
Chromium	20	1.0		mg/Kg	1	7/22/2010 06:07 PM
Cobalt	7.6	1.0		mg/Kg	1	7/22/2010 06:07 PM
Copper	43	2.0		mg/Kg	1	7/22/2010 06:07 PM
Lead	8.0	1.0		mg/Kg	1	7/22/2010 06:07 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 06:07 PM
Nickel	25	1.0		mg/Kg	1	7/22/2010 06:07 PM
Selenium	1.0	1.0		mg/Kg	1	7/22/2010 06:07 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 06:07 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 06:07 PM
Vanadium	31	1.0		mg/Kg	1	7/22/2010 06:07 PM
Zinc	63	1.0		mg/Kg	1	7/22/2010 06:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.86	0.10		mg/Kg	1	7/23/2010 11:03 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA-MED 1
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-017A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 06:11 PM
Arsenic	ND	1.0		mg/Kg	1	7/22/2010 06:11 PM
Barium	75	1.0		mg/Kg	1	7/22/2010 06:11 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 06:11 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 06:11 PM
Chromium	12	1.0		mg/Kg	1	7/22/2010 06:11 PM
Cobalt	13	1.0		mg/Kg	1	7/22/2010 06:11 PM
Copper	19	2.0		mg/Kg	1	7/22/2010 06:11 PM
Lead	4.3	1.0		mg/Kg	1	7/22/2010 06:11 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 06:11 PM
Nickel	13	1.0		mg/Kg	1	7/22/2010 06:11 PM
Selenium	1.1	1.0		mg/Kg	1	7/22/2010 06:11 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 06:11 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 06:11 PM
Vanadium	63	1.0		mg/Kg	1	7/22/2010 06:11 PM
Zinc	34	1.0		mg/Kg	1	7/22/2010 06:11 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 11:06 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA-MED 2
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-018A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_100722E	QC Batch: 65750			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/22/2010 05:20 PM
Arsenic	ND	1.0		mg/Kg	1	7/22/2010 05:20 PM
Barium	60	1.0		mg/Kg	1	7/22/2010 05:20 PM
Beryllium	ND	1.0		mg/Kg	1	7/22/2010 05:20 PM
Cadmium	ND	1.0		mg/Kg	1	7/22/2010 05:20 PM
Chromium	13	1.0		mg/Kg	1	7/22/2010 05:20 PM
Cobalt	13	1.0		mg/Kg	1	7/22/2010 05:20 PM
Copper	15	2.0		mg/Kg	1	7/22/2010 05:20 PM
Lead	4.0	1.0		mg/Kg	1	7/22/2010 05:20 PM
Molybdenum	ND	1.0		mg/Kg	1	7/22/2010 05:20 PM
Nickel	13	1.0		mg/Kg	1	7/22/2010 05:20 PM
Selenium	ND	1.0		mg/Kg	1	7/22/2010 05:20 PM
Silver	ND	1.0		mg/Kg	1	7/22/2010 05:20 PM
Thallium	ND	1.0		mg/Kg	1	7/22/2010 05:20 PM
Vanadium	75	1.0		mg/Kg	1	7/22/2010 05:20 PM
Zinc	33	1.0		mg/Kg	1	7/22/2010 05:20 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723C	QC Batch: 65744			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 10:41 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA-MED 3
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-019A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:47 PM
Arsenic	8.4	1.0		mg/Kg	1	7/23/2010 03:47 PM
Barium	73	1.0		mg/Kg	1	7/23/2010 03:47 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:47 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:47 PM
Chromium	24	1.0		mg/Kg	1	7/23/2010 03:47 PM
Cobalt	12	1.0		mg/Kg	1	7/23/2010 03:47 PM
Copper	27	2.0		mg/Kg	1	7/23/2010 03:47 PM
Lead	7.4	1.0		mg/Kg	1	7/23/2010 03:47 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:47 PM
Nickel	26	1.0		mg/Kg	1	7/23/2010 03:47 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:47 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:47 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:47 PM
Vanadium	48	1.0		mg/Kg	1	7/23/2010 03:47 PM
Zinc	64	1.0		mg/Kg	1	7/23/2010 03:47 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.60	0.10		mg/Kg	1	7/23/2010 11:28 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AA-MED 4
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-020A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:49 PM
Arsenic	9.7	1.0		mg/Kg	1	7/23/2010 03:49 PM
Barium	90	1.0		mg/Kg	1	7/23/2010 03:49 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:49 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:49 PM
Chromium	27	1.0		mg/Kg	1	7/23/2010 03:49 PM
Cobalt	11	1.0		mg/Kg	1	7/23/2010 03:49 PM
Copper	25	2.0		mg/Kg	1	7/23/2010 03:49 PM
Lead	7.0	1.0		mg/Kg	1	7/23/2010 03:49 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:49 PM
Nickel	27	1.0		mg/Kg	1	7/23/2010 03:49 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:49 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:49 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 03:49 PM
Vanadium	50	1.0		mg/Kg	1	7/23/2010 03:49 PM
Zinc	64	1.0		mg/Kg	1	7/23/2010 03:49 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.51	0.10		mg/Kg	1	7/23/2010 11:31 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC-MED 1
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-025A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:56 PM
Arsenic	3.9	1.0		mg/Kg	1	7/23/2010 03:56 PM
Barium	93	1.0		mg/Kg	1	7/23/2010 03:56 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:56 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:56 PM
Chromium	15	1.0		mg/Kg	1	7/23/2010 03:56 PM
Cobalt	14	1.0		mg/Kg	1	7/23/2010 03:56 PM
Copper	20	2.0		mg/Kg	1	7/23/2010 03:56 PM
Lead	30	1.0		mg/Kg	1	7/23/2010 03:56 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:56 PM
Nickel	16	1.0		mg/Kg	1	7/23/2010 03:56 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:56 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:56 PM
Thallium	1.2	1.0		mg/Kg	1	7/23/2010 03:56 PM
Vanadium	120	1.0		mg/Kg	1	7/23/2010 03:56 PM
Zinc	49	1.0		mg/Kg	1	7/23/2010 03:56 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 11:33 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC-MED 2
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-026A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 03:59 PM
Arsenic	4.2	1.0		mg/Kg	1	7/23/2010 03:59 PM
Barium	59	1.0		mg/Kg	1	7/23/2010 03:59 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 03:59 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 03:59 PM
Chromium	15	1.0		mg/Kg	1	7/23/2010 03:59 PM
Cobalt	9.7	1.0		mg/Kg	1	7/23/2010 03:59 PM
Copper	15	2.0		mg/Kg	1	7/23/2010 03:59 PM
Lead	3.4	1.0		mg/Kg	1	7/23/2010 03:59 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 03:59 PM
Nickel	13	1.0		mg/Kg	1	7/23/2010 03:59 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 03:59 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 03:59 PM
Thallium	1.1	1.0		mg/Kg	1	7/23/2010 03:59 PM
Vanadium	89	1.0		mg/Kg	1	7/23/2010 03:59 PM
Zinc	38	1.0		mg/Kg	1	7/23/2010 03:59 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 11:35 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC-MED 3
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-027A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 04:01 PM
Arsenic	7.9	1.0		mg/Kg	1	7/23/2010 04:01 PM
Barium	92	1.0		mg/Kg	1	7/23/2010 04:01 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 04:01 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 04:01 PM
Chromium	26	1.0		mg/Kg	1	7/23/2010 04:01 PM
Cobalt	9.1	1.0		mg/Kg	1	7/23/2010 04:01 PM
Copper	21	2.0		mg/Kg	1	7/23/2010 04:01 PM
Lead	13	1.0		mg/Kg	1	7/23/2010 04:01 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 04:01 PM
Nickel	24	1.0		mg/Kg	1	7/23/2010 04:01 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 04:01 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 04:01 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 04:01 PM
Vanadium	56	1.0		mg/Kg	1	7/23/2010 04:01 PM
Zinc	56	1.0		mg/Kg	1	7/23/2010 04:01 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.24	0.10		mg/Kg	1	7/23/2010 11:37 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AC-MED 4
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-028A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 04:03 PM
Arsenic	3.5	1.0		mg/Kg	1	7/23/2010 04:03 PM
Barium	94	1.0		mg/Kg	1	7/23/2010 04:03 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 04:03 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 04:03 PM
Chromium	17	1.0		mg/Kg	1	7/23/2010 04:03 PM
Cobalt	11	1.0		mg/Kg	1	7/23/2010 04:03 PM
Copper	18	2.0		mg/Kg	1	7/23/2010 04:03 PM
Lead	11	1.0		mg/Kg	1	7/23/2010 04:03 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 04:03 PM
Nickel	17	1.0		mg/Kg	1	7/23/2010 04:03 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 04:03 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 04:03 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 04:03 PM
Vanadium	120	1.0		mg/Kg	1	7/23/2010 04:03 PM
Zinc	46	1.0		mg/Kg	1	7/23/2010 04:03 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.16	0.10		mg/Kg	1	7/23/2010 11:39 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF-MED 1
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-037A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 04:05 PM
Arsenic	4.0	1.0		mg/Kg	1	7/23/2010 04:05 PM
Barium	100	1.0		mg/Kg	1	7/23/2010 04:05 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 04:05 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 04:05 PM
Chromium	16	1.0		mg/Kg	1	7/23/2010 04:05 PM
Cobalt	9.2	1.0		mg/Kg	1	7/23/2010 04:05 PM
Copper	17	2.0		mg/Kg	1	7/23/2010 04:05 PM
Lead	4.0	1.0		mg/Kg	1	7/23/2010 04:05 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 04:05 PM
Nickel	14	1.0		mg/Kg	1	7/23/2010 04:05 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 04:05 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 04:05 PM
Thallium	1.3	1.0		mg/Kg	1	7/23/2010 04:05 PM
Vanadium	160	1.0		mg/Kg	1	7/23/2010 04:05 PM
Zinc	40	1.0		mg/Kg	1	7/23/2010 04:05 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 11:45 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF-MED 2
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-038A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 04:07 PM
Arsenic	3.9	1.0		mg/Kg	1	7/23/2010 04:07 PM
Barium	84	1.0		mg/Kg	1	7/23/2010 04:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 04:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 04:07 PM
Chromium	17	1.0		mg/Kg	1	7/23/2010 04:07 PM
Cobalt	9.5	1.0		mg/Kg	1	7/23/2010 04:07 PM
Copper	18	2.0		mg/Kg	1	7/23/2010 04:07 PM
Lead	5.2	1.0		mg/Kg	1	7/23/2010 04:07 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 04:07 PM
Nickel	16	1.0		mg/Kg	1	7/23/2010 04:07 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 04:07 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 04:07 PM
Thallium	1.0	1.0		mg/Kg	1	7/23/2010 04:07 PM
Vanadium	100	1.0		mg/Kg	1	7/23/2010 04:07 PM
Zinc	44	1.0		mg/Kg	1	7/23/2010 04:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 11:47 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF-MED 3
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-039A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 04:10 PM
Arsenic	6.4	1.0		mg/Kg	1	7/23/2010 04:10 PM
Barium	90	1.0		mg/Kg	1	7/23/2010 04:10 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 04:10 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 04:10 PM
Chromium	23	1.0		mg/Kg	1	7/23/2010 04:10 PM
Cobalt	9.0	1.0		mg/Kg	1	7/23/2010 04:10 PM
Copper	22	2.0		mg/Kg	1	7/23/2010 04:10 PM
Lead	6.9	1.0		mg/Kg	1	7/23/2010 04:10 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 04:10 PM
Nickel	22	1.0		mg/Kg	1	7/23/2010 04:10 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 04:10 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 04:10 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 04:10 PM
Vanadium	61	1.0		mg/Kg	1	7/23/2010 04:10 PM
Zinc	52	1.0		mg/Kg	1	7/23/2010 04:10 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.20	0.10		mg/Kg	1	7/23/2010 11:49 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AF-MED 4
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-040A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723L	QC Batch: 65823			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 04:12 PM
Arsenic	10	1.0		mg/Kg	1	7/23/2010 04:12 PM
Barium	100	1.0		mg/Kg	1	7/23/2010 04:12 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 04:12 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 04:12 PM
Chromium	19	1.0		mg/Kg	1	7/23/2010 04:12 PM
Cobalt	11	1.0		mg/Kg	1	7/23/2010 04:12 PM
Copper	17	2.0		mg/Kg	1	7/23/2010 04:12 PM
Lead	3.8	1.0		mg/Kg	1	7/23/2010 04:12 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 04:12 PM
Nickel	14	1.0		mg/Kg	1	7/23/2010 04:12 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 04:12 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 04:12 PM
Thallium	1.3	1.0		mg/Kg	1	7/23/2010 04:12 PM
Vanadium	160	1.0		mg/Kg	1	7/23/2010 04:12 PM
Zinc	44	1.0		mg/Kg	1	7/23/2010 04:12 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723D	QC Batch: 65745			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 11:24 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AI-MED 1
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-049A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:38 PM
Arsenic	2.7	1.0		mg/Kg	1	7/23/2010 05:38 PM
Barium	63	1.0		mg/Kg	1	7/23/2010 05:38 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:38 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:38 PM
Chromium	5.7	1.0		mg/Kg	1	7/23/2010 05:38 PM
Cobalt	7.5	1.0		mg/Kg	1	7/23/2010 05:38 PM
Copper	12	2.0		mg/Kg	1	7/23/2010 05:38 PM
Lead	3.2	1.0		mg/Kg	1	7/23/2010 05:38 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:38 PM
Nickel	11	1.0		mg/Kg	1	7/23/2010 05:38 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:38 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:38 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:38 PM
Vanadium	53	1.0		mg/Kg	1	7/23/2010 05:38 PM
Zinc	25	1.0		mg/Kg	1	7/23/2010 05:38 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 12:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AI-MED 2
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-050A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:40 PM
Arsenic	3.3	1.0		mg/Kg	1	7/23/2010 05:40 PM
Barium	64	1.0		mg/Kg	1	7/23/2010 05:40 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:40 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:40 PM
Chromium	9.9	1.0		mg/Kg	1	7/23/2010 05:40 PM
Cobalt	5.2	1.0		mg/Kg	1	7/23/2010 05:40 PM
Copper	16	2.0		mg/Kg	1	7/23/2010 05:40 PM
Lead	5.3	1.0		mg/Kg	1	7/23/2010 05:40 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:40 PM
Nickel	13	1.0		mg/Kg	1	7/23/2010 05:40 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:40 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:40 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:40 PM
Vanadium	38	1.0		mg/Kg	1	7/23/2010 05:40 PM
Zinc	31	1.0		mg/Kg	1	7/23/2010 05:40 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 12:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AI-MED 3
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-051A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:42 PM
Arsenic	8.6	1.0		mg/Kg	1	7/23/2010 05:42 PM
Barium	91	1.0		mg/Kg	1	7/23/2010 05:42 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:42 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:42 PM
Chromium	28	1.0		mg/Kg	1	7/23/2010 05:42 PM
Cobalt	9.5	1.0		mg/Kg	1	7/23/2010 05:42 PM
Copper	34	2.0		mg/Kg	1	7/23/2010 05:42 PM
Lead	10	1.0		mg/Kg	1	7/23/2010 05:42 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:42 PM
Nickel	29	1.0		mg/Kg	1	7/23/2010 05:42 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:42 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:42 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:42 PM
Vanadium	41	1.0		mg/Kg	1	7/23/2010 05:42 PM
Zinc	71	1.0		mg/Kg	1	7/23/2010 05:42 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.16	0.10		mg/Kg	1	7/23/2010 12:17 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AI-MED 4
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-052A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831				PrepDate: 7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:43 PM
Arsenic	10	1.0		mg/Kg	1	7/23/2010 05:43 PM
Barium	270	1.0		mg/Kg	1	7/23/2010 05:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:43 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:43 PM
Chromium	22	1.0		mg/Kg	1	7/23/2010 05:43 PM
Cobalt	11	1.0		mg/Kg	1	7/23/2010 05:43 PM
Copper	30	2.0		mg/Kg	1	7/23/2010 05:43 PM
Lead	8.2	1.0		mg/Kg	1	7/23/2010 05:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:43 PM
Nickel	25	1.0		mg/Kg	1	7/23/2010 05:43 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:43 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:43 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:43 PM
Vanadium	41	1.0		mg/Kg	1	7/23/2010 05:43 PM
Zinc	64	1.0		mg/Kg	1	7/23/2010 05:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746				PrepDate: 7/22/2010	Analyst: **IL**
Mercury	0.26	0.10		mg/Kg	1	7/23/2010 12:19 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL-MED 1
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-061A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:46 PM
Arsenic	2.3	1.0		mg/Kg	1	7/23/2010 05:46 PM
Barium	70	1.0		mg/Kg	1	7/23/2010 05:46 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:46 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:46 PM
Chromium	7.7	1.0		mg/Kg	1	7/23/2010 05:46 PM
Cobalt	8.7	1.0		mg/Kg	1	7/23/2010 05:46 PM
Copper	15	2.0		mg/Kg	1	7/23/2010 05:46 PM
Lead	12	1.0		mg/Kg	1	7/23/2010 05:46 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:46 PM
Nickel	13	1.0		mg/Kg	1	7/23/2010 05:46 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:46 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:46 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:46 PM
Vanadium	53	1.0		mg/Kg	1	7/23/2010 05:46 PM
Zinc	30	1.0		mg/Kg	1	7/23/2010 05:46 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 12:21 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL-MED 2
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-062A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:48 PM
Arsenic	3.3	1.0		mg/Kg	1	7/23/2010 05:48 PM
Barium	69	1.0		mg/Kg	1	7/23/2010 05:48 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:48 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:48 PM
Chromium	9.8	1.0		mg/Kg	1	7/23/2010 05:48 PM
Cobalt	7.9	1.0		mg/Kg	1	7/23/2010 05:48 PM
Copper	16	2.0		mg/Kg	1	7/23/2010 05:48 PM
Lead	40	1.0		mg/Kg	1	7/23/2010 05:48 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:48 PM
Nickel	14	1.0		mg/Kg	1	7/23/2010 05:48 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:48 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:48 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:48 PM
Vanadium	68	1.0		mg/Kg	1	7/23/2010 05:48 PM
Zinc	39	1.0		mg/Kg	1	7/23/2010 05:48 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 12:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL-MED 3
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-063A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:50 PM
Arsenic	8.4	1.0		mg/Kg	1	7/23/2010 05:50 PM
Barium	84	1.0		mg/Kg	1	7/23/2010 05:50 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:50 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:50 PM
Chromium	25	1.0		mg/Kg	1	7/23/2010 05:50 PM
Cobalt	10	1.0		mg/Kg	1	7/23/2010 05:50 PM
Copper	26	2.0		mg/Kg	1	7/23/2010 05:50 PM
Lead	6.5	1.0		mg/Kg	1	7/23/2010 05:50 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:50 PM
Nickel	25	1.0		mg/Kg	1	7/23/2010 05:50 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:50 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:50 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:50 PM
Vanadium	46	1.0		mg/Kg	1	7/23/2010 05:50 PM
Zinc	63	1.0		mg/Kg	1	7/23/2010 05:50 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 12:25 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AL-MED 4
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-064A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:52 PM
Arsenic	9.1	1.0		mg/Kg	1	7/23/2010 05:52 PM
Barium	110	1.0		mg/Kg	1	7/23/2010 05:52 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:52 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:52 PM
Chromium	27	1.0		mg/Kg	1	7/23/2010 05:52 PM
Cobalt	9.5	1.0		mg/Kg	1	7/23/2010 05:52 PM
Copper	34	2.0		mg/Kg	1	7/23/2010 05:52 PM
Lead	8.5	1.0		mg/Kg	1	7/23/2010 05:52 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:52 PM
Nickel	30	1.0		mg/Kg	1	7/23/2010 05:52 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:52 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:52 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:52 PM
Vanadium	39	1.0		mg/Kg	1	7/23/2010 05:52 PM
Zinc	73	1.0		mg/Kg	1	7/23/2010 05:52 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.14	0.10		mg/Kg	1	7/23/2010 12:27 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN-MED 1
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-069A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:54 PM
Arsenic	3.4	1.0		mg/Kg	1	7/23/2010 05:54 PM
Barium	90	1.0		mg/Kg	1	7/23/2010 05:54 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:54 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:54 PM
Chromium	8.2	1.0		mg/Kg	1	7/23/2010 05:54 PM
Cobalt	7.2	1.0		mg/Kg	1	7/23/2010 05:54 PM
Copper	14	2.0		mg/Kg	1	7/23/2010 05:54 PM
Lead	17	1.0		mg/Kg	1	7/23/2010 05:54 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:54 PM
Nickel	12	1.0		mg/Kg	1	7/23/2010 05:54 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:54 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:54 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:54 PM
Vanadium	100	1.0		mg/Kg	1	7/23/2010 05:54 PM
Zinc	31	1.0		mg/Kg	1	7/23/2010 05:54 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 12:29 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN-MED 2
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-070A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723O	QC Batch: 65831			PrepDate:	7/23/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 05:25 PM
Arsenic	8.5	1.0		mg/Kg	1	7/23/2010 05:25 PM
Barium	98	1.0		mg/Kg	1	7/23/2010 05:25 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 05:25 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 05:25 PM
Chromium	8.7	1.0		mg/Kg	1	7/23/2010 05:25 PM
Cobalt	14	1.0		mg/Kg	1	7/23/2010 05:25 PM
Copper	15	2.0		mg/Kg	1	7/23/2010 05:25 PM
Lead	4.8	1.0		mg/Kg	1	7/23/2010 05:25 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 05:25 PM
Nickel	27	1.0		mg/Kg	1	7/23/2010 05:25 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 05:25 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 05:25 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 05:25 PM
Vanadium	120	1.0		mg/Kg	1	7/23/2010 05:25 PM
Zinc	36	1.0		mg/Kg	1	7/23/2010 05:25 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723E	QC Batch: 65746			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 12:04 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN-MED 3
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-071A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723M	QC Batch: 65825			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	2.7	2.0		mg/Kg	1	7/23/2010 04:29 PM
Arsenic	14	1.0		mg/Kg	1	7/23/2010 04:29 PM
Barium	99	1.0		mg/Kg	1	7/23/2010 04:29 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 04:29 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 04:29 PM
Chromium	34	1.0		mg/Kg	1	7/23/2010 04:29 PM
Cobalt	9.1	1.0		mg/Kg	1	7/23/2010 04:29 PM
Copper	31	2.0		mg/Kg	1	7/23/2010 04:29 PM
Lead	150	1.0		mg/Kg	1	7/23/2010 04:29 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 04:29 PM
Nickel	45	1.0		mg/Kg	1	7/23/2010 04:29 PM
Selenium	1.2	1.0		mg/Kg	1	7/23/2010 04:29 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 04:29 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 04:29 PM
Vanadium	46	1.0		mg/Kg	1	7/23/2010 04:29 PM
Zinc	110	1.0		mg/Kg	1	7/23/2010 04:29 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.14	0.10		mg/Kg	1	7/23/2010 12:53 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *26-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AN-MED 4
Lab Order:	112787	**Collection Date:**	7/16/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112787-072A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723M	QC Batch: 65825			PrepDate:	7/23/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 04:31 PM
Arsenic	9.8	1.0		mg/Kg	1	7/23/2010 04:31 PM
Barium	130	1.0		mg/Kg	1	7/23/2010 04:31 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 04:31 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 04:31 PM
Chromium	46	1.0		mg/Kg	1	7/23/2010 04:31 PM
Cobalt	16	1.0		mg/Kg	1	7/23/2010 04:31 PM
Copper	38	2.0		mg/Kg	1	7/23/2010 04:31 PM
Lead	120	1.0		mg/Kg	1	7/23/2010 04:31 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 04:31 PM
Nickel	49	1.0		mg/Kg	1	7/23/2010 04:31 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 04:31 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 04:31 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 04:31 PM
Vanadium	39	1.0		mg/Kg	1	7/23/2010 04:31 PM
Zinc	89	1.0		mg/Kg	1	7/23/2010 04:31 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.17	0.10		mg/Kg	1	7/23/2010 12:55 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65750** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123562**
Client ID: **PBS** Batch ID: **65750** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982293**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	0.261	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	0.032	1.0									
Thallium	ND	1.0									
Vanadium	0.044	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65750** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123562**
Client ID: **LCSS** Batch ID: **65750** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.117	2.0	50.00	0	96.2	80	120				
Arsenic	47.069	1.0	50.00	0	94.1	80	120				
Barium	51.405	1.0	50.00	0	103	80	120				
Beryllium	50.737	1.0	50.00	0	101	80	120				
Cadmium	49.084	1.0	50.00	0	98.2	80	120				
Chromium	52.089	1.0	50.00	0	104	80	120				
Cobalt	51.642	1.0	50.00	0	103	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65750** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123562**
Client ID: **LCSS** Batch ID: **65750** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	52.549	2.0	50.00	0	105	80	120				
Lead	50.774	1.0	50.00	0.2611	101	80	120				
Molybdenum	52.968	1.0	50.00	0	106	80	120				
Nickel	49.746	1.0	50.00	0	99.5	80	120				
Selenium	46.210	1.0	50.00	0	92.4	80	120				
Silver	40.068	1.0	50.00	0.03170	80.1	80	120				
Thallium	44.838	1.0	50.00	0	89.7	80	120				
Vanadium	50.655	1.0	50.00	0.04409	101	80	120				
Zinc	48.101	1.0	50.00	0	96.2	80	120				

Sample ID: **112787-018A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123562**
Client ID: **AA-MED 2** Batch ID: **65750** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	ND	1.0						0	0	20	
Barium	58.833	1.0						59.85	1.72	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.496	1.0						0.4699	0	20	
Chromium	15.061	1.0						12.53	18.4	20	
Cobalt	13.408	1.0						12.97	3.32	20	
Copper	15.673	2.0						15.45	1.44	20	
Lead	4.072	1.0						4.020	1.29	20	
Molybdenum	0.086	1.0						0.1496	0	20	
Nickel	13.347	1.0						13.14	1.57	20	
Selenium	1.322	1.0						0.7554	54.5	20	R
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	85.158	1.0						74.55	13.3	20	
Zinc	36.023	1.0						33.03	8.67	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112787-018A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123562**
Client ID: **AA-MED 2** Batch ID: **65750** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982297**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	81.226	2.0	125.0	0	65.0	32	105				
Arsenic	91.782	1.0	125.0	0	73.4	49	106				
Barium	154.643	1.0	125.0	59.85	75.8	31	133				
Beryllium	103.160	1.0	125.0	0	82.5	56	106				
Cadmium	96.276	1.0	125.0	0.4699	76.6	51	103				
Chromium	113.734	1.0	125.0	12.53	81.0	45	114				
Cobalt	110.792	1.0	125.0	12.97	78.3	52	106				
Copper	127.855	2.0	125.0	15.45	89.9	54	125				
Lead	103.886	1.0	125.0	4.020	79.9	34	126				
Molybdenum	101.547	1.0	125.0	0.1496	81.1	54	106				
Nickel	109.374	1.0	125.0	13.14	77.0	45	111				
Selenium	95.619	1.0	125.0	0.7554	75.9	47	104				
Silver	104.830	1.0	125.0	0	83.9	56	112				
Thallium	88.595	1.0	125.0	0	70.9	46	101				
Vanadium	172.658	1.0	125.0	74.55	78.5	54	114				
Zinc	122.773	1.0	125.0	33.03	71.8	28	125				

Sample ID: **112787-018A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123562**
Client ID: **AA-MED 2** Batch ID: **65750** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.342	2.0	125.0	0	66.7	32	105	81.23	2.57	20	
Arsenic	93.073	1.0	125.0	0	74.5	49	106	91.78	1.40	20	
Barium	163.736	1.0	125.0	59.85	83.1	31	133	154.6	5.71	20	
Beryllium	105.507	1.0	125.0	0	84.4	56	106	103.2	2.25	20	
Cadmium	100.236	1.0	125.0	0.4699	79.8	51	103	96.28	4.03	20	
Chromium	119.273	1.0	125.0	12.53	85.4	45	114	113.7	4.75	20	
Cobalt	114.930	1.0	125.0	12.97	81.6	52	106	110.8	3.67	20	
Copper	132.441	2.0	125.0	15.45	93.6	54	125	127.9	3.52	20	
Lead	104.775	1.0	125.0	4.020	80.6	34	126	103.9	0.851	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112787-018A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123562**
Client ID: **AA-MED 2** Batch ID: **65750** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/22/2010** SeqNo: **1982298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	104.151	1.0	125.0	0.1496	83.2	54	106	101.5	2.53	20	
Nickel	113.716	1.0	125.0	13.14	80.5	45	111	109.4	3.89	20	
Selenium	96.695	1.0	125.0	0.7554	76.8	47	104	95.62	1.12	20	
Silver	109.203	1.0	125.0	0	87.4	56	112	104.8	4.09	20	
Thallium	91.132	1.0	125.0	0	72.9	46	101	88.59	2.82	20	
Vanadium	181.396	1.0	125.0	74.55	85.5	54	114	172.7	4.94	20	
Zinc	129.742	1.0	125.0	33.03	77.4	28	125	122.8	5.52	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65823** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123615**
Client ID: **PBS** Batch ID: **65823** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983630**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	0.025	1.0									
Copper	ND	2.0									
Lead	0.231	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	0.040	1.0									
Zinc	0.257	1.0									

Sample ID: **LCS-65823** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123615**
Client ID: **LCSS** Batch ID: **65823** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	50.987	2.0	50.00	0	102	80	120				
Arsenic	51.350	1.0	50.00	0	103	80	120				
Barium	53.587	1.0	50.00	0	107	80	120				
Beryllium	53.842	1.0	50.00	0	108	80	120				
Cadmium	52.284	1.0	50.00	0	105	80	120				
Chromium	51.693	1.0	50.00	0	103	80	120				
Cobalt	53.760	1.0	50.00	0.02480	107	80	120				
Copper	52.062	2.0	50.00	0	104	80	120				
Lead	52.352	1.0	50.00	0.2311	104	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65823** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123615**
Client ID: **LCSS** Batch ID: **65823** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	54.304	1.0	50.00	0	109	80	120				
Nickel	51.006	1.0	50.00	0	102	80	120				
Selenium	50.245	1.0	50.00	0	100	80	120				
Silver	51.940	1.0	50.00	0	104	80	120				
Thallium	49.943	1.0	50.00	0	99.9	80	120				
Vanadium	53.801	1.0	50.00	0.04000	108	80	120				
Zinc	51.413	1.0	50.00	0.2570	102	80	120				

Sample ID: **112787-040A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123615**
Client ID: **AF-MED 4** Batch ID: **65823** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	8.016	1.0						10.05	22.5	20	R
Barium	98.381	1.0						102.5	4.14	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	14.934	1.0						19.03	24.1	20	R
Cobalt	10.075	1.0						10.52	4.28	20	
Copper	16.913	2.0						17.05	0.824	20	
Lead	3.790	1.0						3.810	0.509	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	13.643	1.0						14.21	4.10	20	
Selenium	1.404	1.0						0.9577	37.8	20	R
Silver	0.583	1.0						0.5719	0	20	
Thallium	1.240	1.0						1.328	6.84	20	
Vanadium	157.688	1.0						160.6	1.80	20	
Zinc	43.410	1.0						43.74	0.753	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112787-040A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123615**
Client ID: **AF-MED 4** Batch ID: **65823** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	99.077	2.0	125.0	0	79.3	32	105				
Arsenic	111.368	1.0	125.0	10.05	81.1	49	106				
Barium	207.365	1.0	125.0	102.5	83.9	31	133				
Beryllium	109.971	1.0	125.0	0	88.0	56	106				
Cadmium	103.469	1.0	125.0	0	82.8	51	103				
Chromium	121.077	1.0	125.0	19.03	81.6	45	114				
Cobalt	112.873	1.0	125.0	10.52	81.9	52	106				
Copper	127.585	2.0	125.0	17.05	88.4	54	125				
Lead	109.316	1.0	125.0	3.810	84.4	34	126				
Molybdenum	104.018	1.0	125.0	0	83.2	54	106				
Nickel	114.434	1.0	125.0	14.21	80.2	45	111				
Selenium	105.464	1.0	125.0	0.9577	83.6	47	104				
Silver	113.250	1.0	125.0	0.5719	90.1	56	112				
Thallium	101.029	1.0	125.0	1.328	79.8	46	101				
Vanadium	257.796	1.0	125.0	160.6	77.8	54	114				
Zinc	144.236	1.0	125.0	43.74	80.4	28	125				

Sample ID: **112787-040A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123615**
Client ID: **AF-MED 4** Batch ID: **65823** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	97.782	2.0	125.0	0	78.2	32	105	99.08	1.32	20	
Arsenic	109.735	1.0	125.0	10.05	79.7	49	106	111.4	1.48	20	
Barium	203.179	1.0	125.0	102.5	80.5	31	133	207.4	2.04	20	
Beryllium	109.861	1.0	125.0	0	87.9	56	106	110.0	0.101	20	
Cadmium	102.921	1.0	125.0	0	82.3	51	103	103.5	0.531	20	
Chromium	120.927	1.0	125.0	19.03	81.5	45	114	121.1	0.124	20	
Cobalt	111.325	1.0	125.0	10.52	80.6	52	106	112.9	1.38	20	
Copper	126.897	2.0	125.0	17.05	87.9	54	125	127.6	0.540	20	
Lead	108.146	1.0	125.0	3.810	83.5	34	126	109.3	1.08	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112787-040A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123615**
Client ID: **AF-MED 4** Batch ID: **65823** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	102.720	1.0	125.0	0	82.2	54	106	104.0	1.26	20	
Nickel	113.597	1.0	125.0	14.21	79.5	45	111	114.4	0.734	20	
Selenium	104.181	1.0	125.0	0.9577	82.6	47	104	105.5	1.22	20	
Silver	111.861	1.0	125.0	0.5719	89.0	56	112	113.3	1.23	20	
Thallium	100.137	1.0	125.0	1.328	79.0	46	101	101.0	0.887	20	
Vanadium	261.651	1.0	125.0	160.6	80.9	54	114	257.8	1.48	20	
Zinc	143.874	1.0	125.0	43.74	80.1	28	125	144.2	0.251	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65825** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123617**
Client ID: **PBS** Batch ID: **65825** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	0.028	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.047	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	0.027	1.0									
Zinc	0.223	1.0									

Sample ID: **LCS-65825** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123617**
Client ID: **LCSS** Batch ID: **65825** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	50.171	2.0	50.00	0	100	80	120				
Arsenic	50.387	1.0	50.00	0	101	80	120				
Barium	52.542	1.0	50.00	0	105	80	120				
Beryllium	52.582	1.0	50.00	0	105	80	120				
Cadmium	51.371	1.0	50.00	0	103	80	120				
Chromium	50.608	1.0	50.00	0	101	80	120				
Cobalt	52.814	1.0	50.00	0.02769	106	80	120				
Copper	50.714	2.0	50.00	0	101	80	120				
Lead	51.736	1.0	50.00	0	103	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65825** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123617**
Client ID: **LCSS** Batch ID: **65825** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	53.145	1.0	50.00	0	106	80	120				
Nickel	49.742	1.0	50.00	0.04681	99.4	80	120				
Selenium	49.689	1.0	50.00	0	99.4	80	120				
Silver	50.995	1.0	50.00	0	102	80	120				
Thallium	49.314	1.0	50.00	0	98.6	80	120				
Vanadium	52.662	1.0	50.00	0.02671	105	80	120				
Zinc	50.258	1.0	50.00	0.2234	100	80	120				

Sample ID: **112787-072A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123617**
Client ID: **AN-MED 4** Batch ID: **65825** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983678**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.819	2.0						0.9102	0	20	
Arsenic	10.039	1.0						9.843	1.98	20	
Barium	117.183	1.0						125.3	6.72	20	
Beryllium	0.353	1.0						0.3646	0	20	
Cadmium	0.121	1.0						0.07940	0	20	
Chromium	39.758	1.0						45.99	14.5	20	
Cobalt	8.467	1.0						15.54	58.9	20	R
Copper	37.406	2.0						37.68	0.730	20	
Lead	211.083	1.0						120.6	54.5	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	40.136	1.0						48.67	19.2	20	
Selenium	ND	1.0						0.4809	0	20	
Silver	0.100	1.0						0.1094	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	40.439	1.0						39.06	3.47	20	
Zinc	87.644	1.0						89.24	1.81	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112787-072A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123617**
Client ID: **AN-MED 4** Batch ID: **65825** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983679**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	92.712	2.0	125.0	0.9102	73.4	32	105				
Arsenic	105.655	1.0	125.0	9.843	76.7	49	106				
Barium	217.770	1.0	125.0	125.3	74.0	31	133				
Beryllium	101.661	1.0	125.0	0.3646	81.0	56	106				
Cadmium	93.706	1.0	125.0	0.07940	74.9	51	103				
Chromium	142.021	1.0	125.0	45.99	76.8	45	114				
Cobalt	100.598	1.0	125.0	15.54	68.0	52	106				
Copper	139.480	2.0	125.0	37.68	81.4	54	125				
Lead	179.273	1.0	125.0	120.6	46.9	34	126				
Molybdenum	92.371	1.0	125.0	0	73.9	54	106				
Nickel	131.502	1.0	125.0	48.67	66.3	45	111				
Selenium	96.399	1.0	125.0	0.4809	76.7	47	104				
Silver	103.613	1.0	125.0	0.1094	82.8	56	112				
Thallium	89.346	1.0	125.0	0	71.5	46	101				
Vanadium	143.178	1.0	125.0	39.06	83.3	54	114				
Zinc	169.925	1.0	125.0	89.24	64.5	28	125				

Sample ID: **112787-072A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123617**
Client ID: **AN-MED 4** Batch ID: **65825** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983680**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	97.074	2.0	125.0	0.9102	76.9	32	105	92.71	4.60	20	
Arsenic	107.200	1.0	125.0	9.843	77.9	49	106	105.7	1.45	20	
Barium	215.800	1.0	125.0	125.3	72.4	31	133	217.8	0.909	20	
Beryllium	105.925	1.0	125.0	0.3646	84.4	56	106	101.7	4.11	20	
Cadmium	96.783	1.0	125.0	0.07940	77.4	51	103	93.71	3.23	20	
Chromium	139.970	1.0	125.0	45.99	75.2	45	114	142.0	1.46	20	
Cobalt	103.194	1.0	125.0	15.54	70.1	52	106	100.6	2.55	20	
Copper	139.004	2.0	125.0	37.68	81.1	54	125	139.5	0.342	20	
Lead	228.957	1.0	125.0	120.6	86.7	34	126	179.3	24.3	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112787-072A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123617**
Client ID: **AN-MED 4** Batch ID: **65825** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983680**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	95.730	1.0	125.0	0	76.6	54	106	92.37	3.57	20	
Nickel	132.808	1.0	125.0	48.67	67.3	45	111	131.5	0.989	20	
Selenium	100.027	1.0	125.0	0.4809	79.6	47	104	96.40	3.69	20	
Silver	106.158	1.0	125.0	0.1094	84.8	56	112	103.6	2.43	20	
Thallium	92.338	1.0	125.0	0	73.9	46	101	89.35	3.29	20	
Vanadium	138.850	1.0	125.0	39.06	79.8	54	114	143.2	3.07	20	
Zinc	169.143	1.0	125.0	89.24	63.9	28	125	169.9	0.461	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65831** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123628**
Client ID: **PBS** Batch ID: **65831** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.317	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	0.017	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.046	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.215	1.0									

Sample ID: **LCS-65831** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123628**
Client ID: **LCSS** Batch ID: **65831** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983999**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	49.664	2.0	50.00	0.3171	98.7	80	120				
Arsenic	50.455	1.0	50.00	0	101	80	120				
Barium	51.839	1.0	50.00	0	104	80	120				
Beryllium	51.909	1.0	50.00	0	104	80	120				
Cadmium	51.207	1.0	50.00	0	102	80	120				
Chromium	49.720	1.0	50.00	0	99.4	80	120				
Cobalt	52.124	1.0	50.00	0.01664	104	80	120				
Copper	49.745	2.0	50.00	0	99.5	80	120				
Lead	51.191	1.0	50.00	0	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65831** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123628**
Client ID: **LCSS** Batch ID: **65831** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983999**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	52.244	1.0	50.00	0	104	80	120				
Nickel	49.038	1.0	50.00	0.04638	98.0	80	120				
Selenium	48.723	1.0	50.00	0	97.4	80	120				
Silver	49.637	1.0	50.00	0	99.3	80	120				
Thallium	48.934	1.0	50.00	0	97.9	80	120				
Vanadium	51.945	1.0	50.00	0	104	80	120				
Zinc	50.041	1.0	50.00	0.2152	99.7	80	120				

Sample ID: **112787-070A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123628**
Client ID: **AN-MED 2** Batch ID: **65831** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984001**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	3.779	1.0						8.533	77.2	20	R
Barium	90.767	1.0						97.57	7.22	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	ND	1.0						0.01474	0	20	
Chromium	8.682	1.0						8.665	0.196	20	
Cobalt	7.693	1.0						13.89	57.4	20	R
Copper	15.298	2.0						14.67	4.16	20	
Lead	3.986	1.0						4.812	18.8	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	13.272	1.0						27.44	69.6	20	R
Selenium	ND	1.0						0.4306	0	20	
Silver	0.299	1.0						0.3799	0	20	
Thallium	ND	1.0						0.3097	0	20	
Vanadium	95.053	1.0						123.0	25.7	20	R
Zinc	32.917	1.0						36.02	9.01	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112787-070A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123628**
Client ID: **AN-MED 2** Batch ID: **65831** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984002**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	103.698	2.0	125.0	0	83.0	32	105				
Arsenic	121.685	1.0	125.0	8.533	90.5	49	106				
Barium	222.442	1.0	125.0	97.57	99.9	31	133				
Beryllium	125.995	1.0	125.0	0	101	56	106				
Cadmium	117.728	1.0	125.0	0.01474	94.2	51	103				
Chromium	135.566	1.0	125.0	8.665	102	45	114				
Cobalt	126.861	1.0	125.0	13.89	90.4	52	106				
Copper	145.261	2.0	125.0	14.67	104	54	125				
Lead	125.769	1.0	125.0	4.812	96.8	34	126				
Molybdenum	116.352	1.0	125.0	0	93.1	54	106				
Nickel	130.459	1.0	125.0	27.44	82.4	45	111				
Selenium	118.614	1.0	125.0	0.4306	94.5	47	104				
Silver	126.130	1.0	125.0	0.3799	101	56	112				
Thallium	114.545	1.0	125.0	0.3097	91.4	46	101				
Vanadium	248.334	1.0	125.0	123.0	100	54	114				
Zinc	159.072	1.0	125.0	36.02	98.4	28	125				

Sample ID: **112787-070A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123628**
Client ID: **AN-MED 2** Batch ID: **65831** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984003**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	88.504	2.0	125.0	0	70.8	32	105	103.7	15.8	20	
Arsenic	106.161	1.0	125.0	8.533	78.1	49	106	121.7	13.6	20	
Barium	191.818	1.0	125.0	97.57	75.4	31	133	222.4	14.8	20	
Beryllium	109.985	1.0	125.0	0	88.0	56	106	126.0	13.6	20	
Cadmium	101.444	1.0	125.0	0.01474	81.1	51	103	117.7	14.9	20	
Chromium	117.180	1.0	125.0	8.665	86.8	45	114	135.6	14.5	20	
Cobalt	109.486	1.0	125.0	13.89	76.5	52	106	126.9	14.7	20	
Copper	125.423	2.0	125.0	14.67	88.6	54	125	145.3	14.7	20	
Lead	109.267	1.0	125.0	4.812	83.6	34	126	125.8	14.0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112787-070A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123628**
Client ID: **AN-MED 2** Batch ID: **65831** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984003**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	99.836	1.0	125.0	0	79.9	54	106	116.4	15.3	20	
Nickel	114.095	1.0	125.0	27.44	69.3	45	111	130.5	13.4	20	
Selenium	102.212	1.0	125.0	0.4306	81.4	47	104	118.6	14.9	20	
Silver	108.964	1.0	125.0	0.3799	86.9	56	112	126.1	14.6	20	
Thallium	98.800	1.0	125.0	0.3097	78.8	46	101	114.5	14.8	20	
Vanadium	221.763	1.0	125.0	123.0	79.0	54	114	248.3	11.3	20	
Zinc	138.679	1.0	125.0	36.02	82.1	28	125	159.1	13.7	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65731A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **PBS** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65731** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **LCSS** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981352**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280.967	5.0	250.0	0	112	80	120				

Sample ID: **112787-014A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **Z-MED 2** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.592	5.0						8.017	0	20	

Sample ID: **112787-014A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **Z-MED 2** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.517	5.0	250.0	8.017	80.6	34	126				

Sample ID: **MB-65731B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/21/2010** RunNo: **123513**
Client ID: **PBS** Batch ID: **65731** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/22/2010** SeqNo: **1981365**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112787-032A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123513**
Client ID: **AD-MED 4**	Batch ID: **65731**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	68.075	5.0						100.2	38.1	20	R

Sample ID: **112787-032A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123513**
Client ID: **AD-MED 4**	Batch ID: **65731**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981377**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	265.115	5.0	250.0	100.2	66.0	34	126				

Sample ID: **112787-032A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/21/2010**	RunNo: **123513**
Client ID: **AD-MED 4**	Batch ID: **65731**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/22/2010**	SeqNo: **1981378**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290.415	5.0	250.0	100.2	76.1	34	126	265.1	9.11	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65732A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123570**
Client ID: **PBS** Batch ID: **65732** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1982564**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.318	5.0									

Sample ID: **LCS-65732** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123570**
Client ID: **LCSS** Batch ID: **65732** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1982565**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276.403	5.0	250.0	0.3180	110	80	120				

Sample ID: **112787-046A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123570**
Client ID: **AH-MED 2** Batch ID: **65732** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1982576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.349	5.0						9.856	22.5	20	R

Sample ID: **112787-046A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123570**
Client ID: **AH-MED 2** Batch ID: **65732** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1982577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.922	5.0	250.0	9.856	78.8	34	126				

Sample ID: **MB-65732B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123570**
Client ID: **PBS** Batch ID: **65732** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1982578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112787-060A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123570**
Client ID: **AK-MED 4** Batch ID: **65732** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1982589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.429	5.0						6.528	1.52	20	

Sample ID: **112787-060A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123570**
Client ID: **AK-MED 4** Batch ID: **65732** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1982590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	193.848	5.0	250.0	6.528	74.9	34	126				

Sample ID: **112787-060A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123570**
Client ID: **AK-MED 4** Batch ID: **65732** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1982591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	157.536	5.0	250.0	6.528	60.4	34	126	193.8	20.7	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65733A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **PBS** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.373	5.0									

Sample ID: **LCS-65733** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **LCSS** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276.691	5.0	250.0	0.3180	111	80	120				

Sample ID: **112821-006A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **ZZZZZZ** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983125**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.104	5.0						3.495	0	20	

Sample ID: **112821-006A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **ZZZZZZ** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983126**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	219.795	5.0	250.0	3.495	86.5	34	126				

Sample ID: **MB-65733B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **PBS** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.138	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112821-020A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123594**
Client ID: **ZZZZZZ**	Batch ID: **65733**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.851	5.0						21.50	14.5	20	

Sample ID: **112821-020A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123594**
Client ID: **ZZZZZZ**	Batch ID: **65733**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240.949	5.0	250.0	21.50	87.8	34	126				

Sample ID: **112821-020A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123594**
Client ID: **ZZZZZZ**	Batch ID: **65733**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.381	5.0	250.0	21.50	84.4	34	126	240.9	3.62	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112821-028A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **ZZZZZZ** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **112821-028A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **ZZZZZZ** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.060	0.10	5.000	0	101	85	115				

Sample ID: **112821-028A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **ZZZZZZ** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.120	0.10	5.000	0	102	85	115	5.060	1.18	20	

Sample ID: **LCS-65846** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **LCSS** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.810	0.10	5.000	0	96.2	85	115				

Sample ID: **MB-65846** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **PBS** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65744** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123581**
Client ID: **PBS** Batch ID: **65744** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1982826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65744** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123581**
Client ID: **LCSS** Batch ID: **65744** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1982827**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.843	0.10	0.8300	0	102	80	120				

Sample ID: **112787-018A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123581**
Client ID: **AA-MED 2** Batch ID: **65744** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1982828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.882	0.10	0.8300	0	106	70	130				

Sample ID: **112787-018A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123581**
Client ID: **AA-MED 2** Batch ID: **65744** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1982829**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.883	0.10	0.8300	0	106	70	130	0.8820	0.125	20	

Sample ID: **112787-018A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123581**
Client ID: **AA-MED 2** Batch ID: **65744** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1982831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65745** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123592**
Client ID: **PBS** Batch ID: **65745** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65745** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123592**
Client ID: **LCSS** Batch ID: **65745** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983069**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.928	0.10	0.8300	0	112	80	120				

Sample ID: **112787-040A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123592**
Client ID: **AF-MED 4** Batch ID: **65745** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983070**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.908	0.10	0.8300	0	109	70	130				

Sample ID: **112787-040A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123592**
Client ID: **AF-MED 4** Batch ID: **65745** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983071**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.894	0.10	0.8300	0	108	70	130	0.9084	1.57	20	

Sample ID: **112787-040A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123592**
Client ID: **AF-MED 4** Batch ID: **65745** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983073**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65746** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123593**
Client ID: **PBS** Batch ID: **65746** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65746** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123593**
Client ID: **LCSS** Batch ID: **65746** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.915	0.10	0.8300	0	110	80	120				

Sample ID: **112787-070A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123593**
Client ID: **AN-MED 2** Batch ID: **65746** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.871	0.10	0.8300	0	105	70	130				

Sample ID: **112787-070A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123593**
Client ID: **AN-MED 2** Batch ID: **65746** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.862	0.10	0.8300	0	104	70	130	0.8710	0.997	20	

Sample ID: **112787-070A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123593**
Client ID: **AN-MED 2** Batch ID: **65746** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983088**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112787
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65747** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **PBS** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65747** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **LCSS** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.924	0.10	0.8300	0	111	80	120				

Sample ID: **112821-026A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **ZZZZZZ** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983100**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.041	0.10	0.8300	0.1065	113	70	130				

Sample ID: **112821-026A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **ZZZZZZ** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983101**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.046	0.10	0.8300	0.1065	113	70	130	1.041	0.462	20	

Sample ID: **112821-026A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **ZZZZZZ** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.106	0.10						0.1065	0.224	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112787-040ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123632**
Client ID: **AF-MED 4** Batch ID: **R123632** TestNo: **EPA 9045C** Analysis Date: **7/23/2010** SeqNo: **1984069**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.390	0.10						8.550	1.89	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/17/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt:
1. CHILLED 7.2 (Y) N
2. HEADSPACE (VOA) Y N
3. CONTAINER INTACT Y N
4. SEALED Y N
5. # OF SPLS MATCH COC Y N
6. PRESERVED Y N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: D. WATTS (Signature) Watts

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Watts	7/16/2010	1600	GSO	7/16/2010	1600
			FPDiwa	7/17/10	0935

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: D. WATTS 7/16/10 (Print Name, Date)
Signature: Watts

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
1070 pH (RANDOM - LAB)
PLEASE RETURN ALL COOLERS
CALTRANS QA

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
	C1-L (0.5, 1, 2, 3, 4, 6)						X								X											
	C1-L (0.5)										X				X											
	P1-L (0.5, 1, 2, 3, 4, 6)									X					X											
	Q1-L (0.5, 1, 2, 3, 4, 6)						X								X											
112787-1/4	R1-L (1, 2, 3, 4,)	7/16/10	0547							X					X							E	4	T	P	C
	C1-L (0.5, 1, 2, 3, 4, 6)									X					X											
	W-MED (0.5, 1, 2, 3, 4, 6)						X								X											
	W-MED (0.5)										X				X											
-5/8	X-MED (1, 2, 3, 4,)	7/16/10	0621							X					X							E	4	T	P	C

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: D. WATTS (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Date: 7/16/2010 Time: 1600
Received by: (Signature and Printed Name) GSO Date: 7/16/2010 Time: 1600

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) FPDiwa [signature] Date: 7/17/10 Time: 0935

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name: SEE Pg 1 Date:
Signature:

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

			8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
112787 - 9/12	Y-MED (0.5, 1, 2, 3, 4, 6)	7/16/10	0641				X								X						E	4	T	P	C
-13/16	Z-MED (0.5, 1, 2, 3, 4, 6)		0701				X								X										
-17/20	AA-MED (0.5, 1, 2, 3, 4, 6)		0719						X						X										
-21/24	AB-MED (0.5, 1, 2, 3, 4, 6)		0735				X								X										
	~~AB-MED (0.5)~~									X					X										
-25/28	AC-MED (0.5, 1, 2, 3, 4, 6)		0951						X						X										
-29/32	AD-MED (0.5, 1, 2, 3, 4, 6)		0807				X								X										
-33/36	AE-MED (0.5, 1, 2, 3, 4, 6)		0825				X								X										
-37/40	AF-MED (0.5, 1, 2, 3, 4, 6)		0841						X						X										

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: D. WATTS (Signature) WATT

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
WATT	7/16/2010	1600	GSO	7/16/2010	1600
			FEDWA	7/17/10	0935

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: SEE Pg 1
Print Name / Date / Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
#2787-41/44	AG-MED ~~(0.5)~~ 1, 2, 3, 4, ~~6)~~	7/16/10	0857				X								X							E	4	T	P	C
~~-42~~	~~AG-MED (0.5)~~																									
-45/48	AH-MED ~~(0.5)~~ 1, 2, 3, 4, ~~6)~~		0911				X				X				X											
-49/52	AI-MED ~~(0.5)~~ 1, 2, 3, 4, ~~6)~~		0927							X					X											
-53/56	AJ-MED ~~(0.5)~~ 1, 2, 3, 4, ~~6)~~		0944				X								X											
-57/60	AK-MED ~~(0.5)~~ 1, 2, 3, 4, ~~6)~~		0957				X								X											
-61/64	AL-MED ~~(0.5)~~ 1, 2, 3, 4, ~~6)~~		1016							X					X											
	~~AL-MED (0.5)~~																									
-65/68	AM-MED ~~(0.5)~~ 1, 2, 3, 4, ~~6)~~		1031				X				X				X											
-69/72	AN-MED (1, 2, 3, 4)		1057							X												E	4	T	P	C

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

Diane Galvan

From: David Watts [watts@geoconinc.com]
Sent: Monday, July 19, 2010 12:50 PM
To: Diane Galvan
Cc: Rowena Hollis
Subject: additional analyses (sampled 16July2010)

Diane,

Please add chrome 6 for:

AB-MED-1
AG-MED-1
AL-MED-1

Thanks.

David Watts
Senior Project Scientist
Please visit our website at http://www.geoconinc.com

GEOCON Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
925-371-5900 (office)
925-371-5915 (fax)
925-785-5340 (mobile)
watts@geoconinc.com

GEOTECHNICAL - ENVIRONMENTAL - MATERIALS

San Diego Murrieta Burbank Bakersfield Fresno Sacramento Rocklin Fairfield Livermore Carson City Portland

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August 10, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112787

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 17, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112787

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112787-015A and 112787-031A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/10/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112787
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/17/2010 9:35:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112787-015A	Z-MED 3	11	mg/L	65928	0.50	2	7/16/2010	7/30/2010
112787-031A	AD-MED 3	13	mg/L	65928	0.50	2	7/16/2010	7/30/2010
112787-032A	AD-MED 4	4.6	mg/L	65928	0.25	1	7/16/2010	7/30/2010
112787-071A	AN-MED 3	0.35	mg/L	65928	0.25	1	7/16/2010	7/30/2010
112787-072A	AN-MED 4	ND	mg/L	65928	0.25	1	7/16/2010	7/30/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-65928A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **PBS** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-65928** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **LCSS** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987455**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.974	0.25	5.000	0	99.5	80	120				

Sample ID: **112768-072A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **ZZZZZZ** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987465**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.140	1.2						13.24	0.796	20	

Sample ID: **112768-072A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **ZZZZZZ** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987466**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.910	1.2	5.000	13.24	113	80	120				

Sample ID: **112787-072A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **7/28/2010** RunNo: **123819**
Client ID: **AN-MED 4** Batch ID: **65928** TestNo: **WET/ EPA 74 WET** Analysis Date: **7/30/2010** SeqNo: **1987474**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0.2277	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112787-072A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123819**
Client ID: **AN-MED 4**	Batch ID: **65928**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/30/2010**	SeqNo: **1987475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.344	0.25	5.000	0.2277	102	80	120				

Sample ID: **112787-072A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123819**
Client ID: **AN-MED 4**	Batch ID: **65928**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/30/2010**	SeqNo: **1987476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.389	0.25	5.000	0.2277	103	80	120	5.344	0.839	20	

Sample ID: **MB-65928B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **7/28/2010**	RunNo: **123819**
Client ID: **PBS**	Batch ID: **65928**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **7/30/2010**	SeqNo: **1987477**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Tuesday, August 03, 2010 11:29 AM
To: Diane Galvan
Cc: 'David Watts'; day@geoconinc.com
Subject: FW: EB I-580 Truck Climbing Lane - E8435-06-47- Spreadsheets 112768 & 112787

Diane, please run the following samples under standard TAT. Thank you!

WO112768

Pb WET:
F1-L 0.5
F1-L 1
M1-L 0.5
M1-L 1
M1-L 3
Q1-L 1

Pb TCLP:
A1-L 0.5
A1-L 1
M1-L 6

WO112787

Pb WET:
AD-MED 3
AD-MED 4
AN-MED 3
AN-MED 4
Z-MED 3

****

Lauren Vigliotti

Senior Staff Geologist

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 321-3291

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank Bakersfield Sacramento Livermore
Carson City Portland

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August 18, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112787

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 17, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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Advanced Technology Laboratories

Date: 8/18/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112787
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/17/2010 9:35:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112787-015A	Z-MED 3	ND	mg/L	66216	0.25	1	7/16/2010	8/16/2010
112787-031A	AD-MED 3	ND	mg/L	66216	0.25	1	7/16/2010	8/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112787
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-66216A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **PBS** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66216** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **LCSS** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.082	0.25	5.000	0	102	80	120				

Sample ID: **112787-031A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **AD-MED 3** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112787-031A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **AD-MED 3** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.132	0.25	5.000	0	103	70	130				

Sample ID: **112787-031A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/11/2010** RunNo: **124221**
Client ID: **AD-MED 3** Batch ID: **66216** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.154	0.25	5.000	0	103	70	130	5.132	0.424	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Wednesday, August 11, 2010 1:23 PM
To: Diane Galvan
Subject: FW: TO-47 results (112768add and 112787add)

Hi Diane,

Please run Pb DI-WET for the following, standard TAT

WO 112768:
M1-L 0.5
M1-L 1

WO 112787:
Z-MED 3
AD-MED 3

Thanks,
Lauren

July 27, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112821

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 20, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *27-Jul-10*

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112821

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112821-027AMS, 112827-027AMSD and 112821-067AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) is outside criteria for samples 112821-027ADUP and 112821-069ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 7/27/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112821
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/20/2010 9:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112821-001A	AO-MED 1	ND	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-002A	AO-MED 2	ND	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-003A	AO-MED 3	ND	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-004A	AO-MED 4	5.7	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-005A	AP-MED 1	ND	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-006A	AP-MED 2	ND	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-007A	AP-MED 3	6.0	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-008A	AP-MED 4	18	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-013A	AZ1-L 0.5	1300	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-014A	AZ1-L 1	100	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-015A	AZ1-L 2	15	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-016A	AZ1-L 3	18	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-017A	AZ1-L 3.5	35	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-018A	BA1-L 0.5	620	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-019A	BA1-L 1	220	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-020A	BA1-L 2	21	mg/Kg	65733	5.0	1	7/19/2010	7/23/2010
112821-021A	BA1-L 3	6.6	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-022A	BA1-L 3.5	13	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/27/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112821
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/20/2010 9:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112821-028A	BBL-RW5 1	ND	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-029A	BBL-RW5 2	ND	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-030A	BBL-RW5 3	7.1	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-031A	BBL-RW5 4	18	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-032A	BCL-RW5 1	ND	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-033A	BCL-RW5 2	6.5	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-034A	BCL-RW5 3	6.7	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-035A	BCL-RW5 4	7.0	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-036A	BD1-L 1	ND	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-037A	BD1-L 2	ND	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-038A	BD1-L 3	8.7	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-039A	BD1-L 4	28	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-044A	BFL-RW6 1	ND	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-045A	BFL-RW6 2	8.0	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-046A	BFL-RW6 3	6.7	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-047A	BFL-RW6 4	6.0	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-052A	BJL-RW7 1	ND	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010
112821-053A	BJL-RW7 2	ND	mg/Kg	65734	5.0	1	7/19/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/27/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112821
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/20/2010 9:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112821-054A	BJL-RW7 3	14	mg/Kg	65735	5.0	1	7/19/2010	7/23/2010
112821-055A	BJL-RW7 4	12	mg/Kg	65735	5.0	1	7/19/2010	7/23/2010
112821-060A	BLL-RW7 1	ND	mg/Kg	65735	5.0	1	7/19/2010	7/23/2010
112821-061A	BLL-RW7 2	ND	mg/Kg	65735	5.0	1	7/19/2010	7/23/2010
112821-062A	BLL-RW7 3	23	mg/Kg	65735	5.0	1	7/19/2010	7/23/2010
112821-063A	BLL-RW7 4	16	mg/Kg	65735	5.0	1	7/19/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 7/27/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112821
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/20/2010 9:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112821-009A	AQ-MED 1	ND	mg/Kg	65846	0.10	1	7/19/2010	7/23/2010
112821-028A	BBL-RW5 1	ND	mg/Kg	65846	0.10	1	7/19/2010	7/23/2010
112821-048A	BIL-RW7 1	ND	mg/Kg	65846	0.10	1	7/19/2010	7/23/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 7/27/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112821
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/20/2010 9:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112821-001A	AO-MED 1	8.2	pH Units	R123646	0.10	1	7/19/2010	7/26/2010
112821-010A	AQ-MED 2	8.2	pH Units	R123646	0.10	1	7/19/2010	7/26/2010
112821-020A	BA1-L 2	8.1	pH Units	R123646	0.10	1	7/19/2010	7/26/2010
112821-030A	BBL-RW5 3	8.1	pH Units	R123646	0.10	1	7/19/2010	7/26/2010
112821-040A	BEL-RW6 1	8.2	pH Units	R123646	0.10	1	7/19/2010	7/26/2010
112821-050A	BIL-RW7 3	8.1	pH Units	R123646	0.10	1	7/19/2010	7/26/2010
112821-060A	BLL-RW7 1	8.6	pH Units	R123646	0.10	1	7/19/2010	7/26/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AQ-MED 1
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-009A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:17 PM
Arsenic	4.0	1.0		mg/Kg	1	7/23/2010 01:17 PM
Barium	73	1.0		mg/Kg	1	7/23/2010 01:17 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:17 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:17 PM
Chromium	13	1.0		mg/Kg	1	7/23/2010 01:17 PM
Cobalt	19	1.0		mg/Kg	1	7/23/2010 01:17 PM
Copper	26	2.0		mg/Kg	1	7/23/2010 01:17 PM
Lead	3.8	1.0		mg/Kg	1	7/23/2010 01:17 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:17 PM
Nickel	15	1.0		mg/Kg	1	7/23/2010 01:17 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:17 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:17 PM
Thallium	1.1	1.0		mg/Kg	1	7/23/2010 01:17 PM
Vanadium	110	1.0		mg/Kg	1	7/23/2010 01:17 PM
Zinc	43	1.0		mg/Kg	1	7/23/2010 01:17 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:03 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AQ-MED 2
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-010A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:23 PM
Arsenic	3.7	1.0		mg/Kg	1	7/23/2010 01:23 PM
Barium	78	1.0		mg/Kg	1	7/23/2010 01:23 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:23 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:23 PM
Chromium	12	1.0		mg/Kg	1	7/23/2010 01:23 PM
Cobalt	17	1.0		mg/Kg	1	7/23/2010 01:23 PM
Copper	22	2.0		mg/Kg	1	7/23/2010 01:23 PM
Lead	3.4	1.0		mg/Kg	1	7/23/2010 01:23 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:23 PM
Nickel	15	1.0		mg/Kg	1	7/23/2010 01:23 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:23 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:23 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 01:23 PM
Vanadium	120	1.0		mg/Kg	1	7/23/2010 01:23 PM
Zinc	43	1.0		mg/Kg	1	7/23/2010 01:23 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:05 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AQ-MED 3
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-011A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:25 PM
Arsenic	2.5	1.0		mg/Kg	1	7/23/2010 01:25 PM
Barium	93	1.0		mg/Kg	1	7/23/2010 01:25 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:25 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:25 PM
Chromium	21	1.0		mg/Kg	1	7/23/2010 01:25 PM
Cobalt	4.9	1.0		mg/Kg	1	7/23/2010 01:25 PM
Copper	14	2.0		mg/Kg	1	7/23/2010 01:25 PM
Lead	3.6	1.0		mg/Kg	1	7/23/2010 01:25 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:25 PM
Nickel	44	1.0		mg/Kg	1	7/23/2010 01:25 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:25 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:25 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 01:25 PM
Vanadium	16	1.0		mg/Kg	1	7/23/2010 01:25 PM
Zinc	28	1.0		mg/Kg	1	7/23/2010 01:25 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:07 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	AQ-MED 4
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-012A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:27 PM
Arsenic	9.5	1.0		mg/Kg	1	7/23/2010 01:27 PM
Barium	69	1.0		mg/Kg	1	7/23/2010 01:27 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:27 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:27 PM
Chromium	27	1.0		mg/Kg	1	7/23/2010 01:27 PM
Cobalt	8.7	1.0		mg/Kg	1	7/23/2010 01:27 PM
Copper	41	2.0		mg/Kg	1	7/23/2010 01:27 PM
Lead	11	1.0		mg/Kg	1	7/23/2010 01:27 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:27 PM
Nickel	29	1.0		mg/Kg	1	7/23/2010 01:27 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:27 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:27 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 01:27 PM
Vanadium	40	1.0		mg/Kg	1	7/23/2010 01:27 PM
Zinc	80	1.0		mg/Kg	1	7/23/2010 01:27 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:09 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-L 0.5
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-023A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:32 PM
Arsenic	10	1.0		mg/Kg	1	7/23/2010 01:32 PM
Barium	140	1.0		mg/Kg	1	7/23/2010 01:32 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:32 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:32 PM
Chromium	33	1.0		mg/Kg	1	7/23/2010 01:32 PM
Cobalt	11	1.0		mg/Kg	1	7/23/2010 01:32 PM
Copper	54	2.0		mg/Kg	1	7/23/2010 01:32 PM
Lead	720	1.0		mg/Kg	1	7/23/2010 01:32 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:32 PM
Nickel	33	1.0		mg/Kg	1	7/23/2010 01:32 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:32 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:32 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 01:32 PM
Vanadium	57	1.0		mg/Kg	1	7/23/2010 01:32 PM
Zinc	280	1.0		mg/Kg	1	7/23/2010 01:32 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.10	0.10		mg/Kg	1	7/23/2010 01:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-L 1
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-024A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:34 PM
Arsenic	6.7	1.0		mg/Kg	1	7/23/2010 01:34 PM
Barium	97	1.0		mg/Kg	1	7/23/2010 01:34 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:34 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:34 PM
Chromium	17	1.0		mg/Kg	1	7/23/2010 01:34 PM
Cobalt	11	1.0		mg/Kg	1	7/23/2010 01:34 PM
Copper	24	2.0		mg/Kg	1	7/23/2010 01:34 PM
Lead	100	1.0		mg/Kg	1	7/23/2010 01:34 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:34 PM
Nickel	19	1.0		mg/Kg	1	7/23/2010 01:34 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:34 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:34 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 01:34 PM
Vanadium	110	1.0		mg/Kg	1	7/23/2010 01:34 PM
Zinc	81	1.0		mg/Kg	1	7/23/2010 01:34 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.16	0.10		mg/Kg	1	7/23/2010 01:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-L 2
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-025A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:36 PM
Arsenic	12	1.0		mg/Kg	1	7/23/2010 01:36 PM
Barium	120	1.0		mg/Kg	1	7/23/2010 01:36 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:36 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:36 PM
Chromium	25	1.0		mg/Kg	1	7/23/2010 01:36 PM
Cobalt	11	1.0		mg/Kg	1	7/23/2010 01:36 PM
Copper	42	2.0		mg/Kg	1	7/23/2010 01:36 PM
Lead	20	1.0		mg/Kg	1	7/23/2010 01:36 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:36 PM
Nickel	31	1.0		mg/Kg	1	7/23/2010 01:36 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:36 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:36 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 01:36 PM
Vanadium	50	1.0		mg/Kg	1	7/23/2010 01:36 PM
Zinc	82	1.0		mg/Kg	1	7/23/2010 01:36 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.12	0.10		mg/Kg	1	7/23/2010 01:15 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-L 3
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-026A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:51 PM
Arsenic	15	1.0		mg/Kg	1	7/23/2010 01:51 PM
Barium	120	1.0		mg/Kg	1	7/23/2010 01:51 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:51 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:51 PM
Chromium	24	1.0		mg/Kg	1	7/23/2010 01:51 PM
Cobalt	12	1.0		mg/Kg	1	7/23/2010 01:51 PM
Copper	36	2.0		mg/Kg	1	7/23/2010 01:51 PM
Lead	16	1.0		mg/Kg	1	7/23/2010 01:51 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:51 PM
Nickel	31	1.0		mg/Kg	1	7/23/2010 01:51 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:51 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:51 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 01:51 PM
Vanadium	49	1.0		mg/Kg	1	7/23/2010 01:51 PM
Zinc	80	1.0		mg/Kg	1	7/23/2010 01:51 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723F	QC Batch: 65747			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	0.11	0.10		mg/Kg	1	7/23/2010 12:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB1-L 3.5
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-027A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723H	QC Batch: 65756			PrepDate:	7/22/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 01:41 PM
Arsenic	7.5	1.0		mg/Kg	1	7/23/2010 01:41 PM
Barium	110	1.0		mg/Kg	1	7/23/2010 01:41 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 01:41 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 01:41 PM
Chromium	25	1.0		mg/Kg	1	7/23/2010 01:41 PM
Cobalt	10	1.0		mg/Kg	1	7/23/2010 01:41 PM
Copper	34	2.0		mg/Kg	1	7/23/2010 01:41 PM
Lead	730	1.0		mg/Kg	1	7/23/2010 01:41 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 01:41 PM
Nickel	24	1.0		mg/Kg	1	7/23/2010 01:41 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 01:41 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 01:41 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 01:41 PM
Vanadium	72	1.0		mg/Kg	1	7/23/2010 01:41 PM
Zinc	140	1.0		mg/Kg	1	7/23/2010 01:41 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:39 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BEL-RW6 1
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-040A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:00 PM
Arsenic	3.2	1.0		mg/Kg	1	7/23/2010 06:00 PM
Barium	90	1.0		mg/Kg	1	7/23/2010 06:00 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:00 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:00 PM
Chromium	11	1.0		mg/Kg	1	7/23/2010 06:00 PM
Cobalt	8.6	1.0		mg/Kg	1	7/23/2010 06:00 PM
Copper	16	2.0		mg/Kg	1	7/23/2010 06:00 PM
Lead	3.4	1.0		mg/Kg	1	7/23/2010 06:00 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:00 PM
Nickel	12	1.0		mg/Kg	1	7/23/2010 06:00 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:00 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:00 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:00 PM
Vanadium	170	1.0		mg/Kg	1	7/23/2010 06:00 PM
Zinc	38	1.0		mg/Kg	1	7/23/2010 06:00 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BEL-RW6 2
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-041A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:02 PM
Arsenic	2.2	1.0		mg/Kg	1	7/23/2010 06:02 PM
Barium	66	1.0		mg/Kg	1	7/23/2010 06:02 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:02 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:02 PM
Chromium	11	1.0		mg/Kg	1	7/23/2010 06:02 PM
Cobalt	9.6	1.0		mg/Kg	1	7/23/2010 06:02 PM
Copper	13	2.0		mg/Kg	1	7/23/2010 06:02 PM
Lead	3.4	1.0		mg/Kg	1	7/23/2010 06:02 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:02 PM
Nickel	13	1.0		mg/Kg	1	7/23/2010 06:02 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:02 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:02 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:02 PM
Vanadium	65	1.0		mg/Kg	1	7/23/2010 06:02 PM
Zinc	33	1.0		mg/Kg	1	7/23/2010 06:02 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:43 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BEL-RW6 3
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-042A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:04 PM
Arsenic	8.4	1.0		mg/Kg	1	7/23/2010 06:04 PM
Barium	73	1.0		mg/Kg	1	7/23/2010 06:04 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:04 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:04 PM
Chromium	17	1.0		mg/Kg	1	7/23/2010 06:04 PM
Cobalt	8.2	1.0		mg/Kg	1	7/23/2010 06:04 PM
Copper	18	2.0		mg/Kg	1	7/23/2010 06:04 PM
Lead	5.4	1.0		mg/Kg	1	7/23/2010 06:04 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:04 PM
Nickel	24	1.0		mg/Kg	1	7/23/2010 06:04 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:04 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:04 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:04 PM
Vanadium	37	1.0		mg/Kg	1	7/23/2010 06:04 PM
Zinc	59	1.0		mg/Kg	1	7/23/2010 06:04 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BEL-RW6 4
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-043A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:06 PM
Arsenic	8.1	1.0		mg/Kg	1	7/23/2010 06:06 PM
Barium	98	1.0		mg/Kg	1	7/23/2010 06:06 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:06 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:06 PM
Chromium	20	1.0		mg/Kg	1	7/23/2010 06:06 PM
Cobalt	9.2	1.0		mg/Kg	1	7/23/2010 06:06 PM
Copper	24	2.0		mg/Kg	1	7/23/2010 06:06 PM
Lead	14	1.0		mg/Kg	1	7/23/2010 06:06 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:06 PM
Nickel	26	1.0		mg/Kg	1	7/23/2010 06:06 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:06 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:06 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:06 PM
Vanadium	42	1.0		mg/Kg	1	7/23/2010 06:06 PM
Zinc	59	1.0		mg/Kg	1	7/23/2010 06:06 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BIL-RW7 1
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-048A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:08 PM
Arsenic	3.7	1.0		mg/Kg	1	7/23/2010 06:08 PM
Barium	89	1.0		mg/Kg	1	7/23/2010 06:08 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:08 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:08 PM
Chromium	12	1.0		mg/Kg	1	7/23/2010 06:08 PM
Cobalt	72	1.0		mg/Kg	1	7/23/2010 06:08 PM
Copper	17	2.0		mg/Kg	1	7/23/2010 06:08 PM
Lead	4.7	1.0		mg/Kg	1	7/23/2010 06:08 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:08 PM
Nickel	15	1.0		mg/Kg	1	7/23/2010 06:08 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:08 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:08 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:08 PM
Vanadium	130	1.0		mg/Kg	1	7/23/2010 06:08 PM
Zinc	38	1.0		mg/Kg	1	7/23/2010 06:08 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:54 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BIL-RW7 2
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-049A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:10 PM
Arsenic	3.9	1.0		mg/Kg	1	7/23/2010 06:10 PM
Barium	92	1.0		mg/Kg	1	7/23/2010 06:10 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:10 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:10 PM
Chromium	14	1.0		mg/Kg	1	7/23/2010 06:10 PM
Cobalt	10	1.0		mg/Kg	1	7/23/2010 06:10 PM
Copper	12	2.0		mg/Kg	1	7/23/2010 06:10 PM
Lead	4.0	1.0		mg/Kg	1	7/23/2010 06:10 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:10 PM
Nickel	9.1	1.0		mg/Kg	1	7/23/2010 06:10 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:10 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:10 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:10 PM
Vanadium	64	1.0		mg/Kg	1	7/23/2010 06:10 PM
Zinc	27	1.0		mg/Kg	1	7/23/2010 06:10 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BIL-RW7 3
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-050A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:12 PM
Arsenic	10	1.0		mg/Kg	1	7/23/2010 06:12 PM
Barium	160	1.0		mg/Kg	1	7/23/2010 06:12 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:12 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:12 PM
Chromium	29	1.0		mg/Kg	1	7/23/2010 06:12 PM
Cobalt	16	1.0		mg/Kg	1	7/23/2010 06:12 PM
Copper	41	2.0		mg/Kg	1	7/23/2010 06:12 PM
Lead	45	1.0		mg/Kg	1	7/23/2010 06:12 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:12 PM
Nickel	42	1.0		mg/Kg	1	7/23/2010 06:12 PM
Selenium	1.0	1.0		mg/Kg	1	7/23/2010 06:12 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:12 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:12 PM
Vanadium	45	1.0		mg/Kg	1	7/23/2010 06:12 PM
Zinc	89	1.0		mg/Kg	1	7/23/2010 06:12 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:58 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BIL-RW7 4
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-051A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:14 PM
Arsenic	5.4	1.0		mg/Kg	1	7/23/2010 06:14 PM
Barium	96	1.0		mg/Kg	1	7/23/2010 06:14 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:14 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:14 PM
Chromium	29	1.0		mg/Kg	1	7/23/2010 06:14 PM
Cobalt	24	1.0		mg/Kg	1	7/23/2010 06:14 PM
Copper	49	2.0		mg/Kg	1	7/23/2010 06:14 PM
Lead	9.7	1.0		mg/Kg	1	7/23/2010 06:14 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:14 PM
Nickel	65	1.0		mg/Kg	1	7/23/2010 06:14 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:14 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:14 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:14 PM
Vanadium	41	1.0		mg/Kg	1	7/23/2010 06:14 PM
Zinc	110	1.0		mg/Kg	1	7/23/2010 06:14 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 02:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BKL-RW7 1
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-056A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:16 PM
Arsenic	2.5	1.0		mg/Kg	1	7/23/2010 06:16 PM
Barium	62	1.0		mg/Kg	1	7/23/2010 06:16 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:16 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:16 PM
Chromium	11	1.0		mg/Kg	1	7/23/2010 06:16 PM
Cobalt	13	1.0		mg/Kg	1	7/23/2010 06:16 PM
Copper	13	2.0		mg/Kg	1	7/23/2010 06:16 PM
Lead	3.2	1.0		mg/Kg	1	7/23/2010 06:16 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:16 PM
Nickel	11	1.0		mg/Kg	1	7/23/2010 06:16 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:16 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:16 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:16 PM
Vanadium	81	1.0		mg/Kg	1	7/23/2010 06:16 PM
Zinc	33	1.0		mg/Kg	1	7/23/2010 06:16 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723G	QC Batch: 65748			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 01:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BKL-RW7 2
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-057A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723P	QC Batch: 65757			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:18 PM
Arsenic	2.7	1.0		mg/Kg	1	7/23/2010 06:18 PM
Barium	64	1.0		mg/Kg	1	7/23/2010 06:18 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:18 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:18 PM
Chromium	10	1.0		mg/Kg	1	7/23/2010 06:18 PM
Cobalt	7.1	1.0		mg/Kg	1	7/23/2010 06:18 PM
Copper	13	2.0		mg/Kg	1	7/23/2010 06:18 PM
Lead	2.9	1.0		mg/Kg	1	7/23/2010 06:18 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:18 PM
Nickel	11	1.0		mg/Kg	1	7/23/2010 06:18 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:18 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:18 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:18 PM
Vanadium	74	1.0		mg/Kg	1	7/23/2010 06:18 PM
Zinc	33	1.0		mg/Kg	1	7/23/2010 06:18 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723H	QC Batch: 65749			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 02:25 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BKL-RW7 3
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-058A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723Q	QC Batch: 65758			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:34 PM
Arsenic	27	1.0		mg/Kg	1	7/23/2010 06:34 PM
Barium	700	1.0		mg/Kg	1	7/23/2010 06:34 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:34 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:34 PM
Chromium	25	1.0		mg/Kg	1	7/23/2010 06:34 PM
Cobalt	17	1.0		mg/Kg	1	7/23/2010 06:34 PM
Copper	36	2.0		mg/Kg	1	7/23/2010 06:34 PM
Lead	18	1.0		mg/Kg	1	7/23/2010 06:34 PM
Molybdenum	1.9	1.0		mg/Kg	1	7/23/2010 06:34 PM
Nickel	43	1.0		mg/Kg	1	7/23/2010 06:34 PM
Selenium	7.6	1.0		mg/Kg	1	7/23/2010 06:34 PM
Silver	1.7	1.0		mg/Kg	1	7/23/2010 06:34 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:34 PM
Vanadium	31	1.0		mg/Kg	1	7/23/2010 06:34 PM
Zinc	86	1.0		mg/Kg	1	7/23/2010 06:34 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723H	QC Batch: 65749			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 02:27 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BKL-RW7 4
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-059A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723Q	QC Batch: 65758			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:36 PM
Arsenic	8.7	1.0		mg/Kg	1	7/23/2010 06:36 PM
Barium	330	1.0		mg/Kg	1	7/23/2010 06:36 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:36 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:36 PM
Chromium	25	1.0		mg/Kg	1	7/23/2010 06:36 PM
Cobalt	20	1.0		mg/Kg	1	7/23/2010 06:36 PM
Copper	46	2.0		mg/Kg	1	7/23/2010 06:36 PM
Lead	14	1.0		mg/Kg	1	7/23/2010 06:36 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:36 PM
Nickel	48	1.0		mg/Kg	1	7/23/2010 06:36 PM
Selenium	2.1	1.0		mg/Kg	1	7/23/2010 06:36 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:36 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:36 PM
Vanadium	32	1.0		mg/Kg	1	7/23/2010 06:36 PM
Zinc	99	1.0		mg/Kg	1	7/23/2010 06:36 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723H	QC Batch: 65749			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 02:29 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BML-RW7 1
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-064A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723Q	QC Batch: 65758			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:38 PM
Arsenic	3.7	1.0		mg/Kg	1	7/23/2010 06:38 PM
Barium	74	1.0		mg/Kg	1	7/23/2010 06:38 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:38 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:38 PM
Chromium	11	1.0		mg/Kg	1	7/23/2010 06:38 PM
Cobalt	8.4	1.0		mg/Kg	1	7/23/2010 06:38 PM
Copper	15	2.0		mg/Kg	1	7/23/2010 06:38 PM
Lead	4.6	1.0		mg/Kg	1	7/23/2010 06:38 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:38 PM
Nickel	12	1.0		mg/Kg	1	7/23/2010 06:38 PM
Selenium	ND	1.0		mg/Kg	1	7/23/2010 06:38 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:38 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:38 PM
Vanadium	78	1.0		mg/Kg	1	7/23/2010 06:38 PM
Zinc	35	1.0		mg/Kg	1	7/23/2010 06:38 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723H	QC Batch: 65749			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 02:31 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BML-RW7 2
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-065A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723Q	QC Batch: 65758			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:40 PM
Arsenic	8.4	1.0		mg/Kg	1	7/23/2010 06:40 PM
Barium	130	1.0		mg/Kg	1	7/23/2010 06:40 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:40 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:40 PM
Chromium	24	1.0		mg/Kg	1	7/23/2010 06:40 PM
Cobalt	16	1.0		mg/Kg	1	7/23/2010 06:40 PM
Copper	36	2.0		mg/Kg	1	7/23/2010 06:40 PM
Lead	50	1.0		mg/Kg	1	7/23/2010 06:40 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:40 PM
Nickel	36	1.0		mg/Kg	1	7/23/2010 06:40 PM
Selenium	2.3	1.0		mg/Kg	1	7/23/2010 06:40 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:40 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:40 PM
Vanadium	72	1.0		mg/Kg	1	7/23/2010 06:40 PM
Zinc	79	1.0		mg/Kg	1	7/23/2010 06:40 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723H	QC Batch: 65749			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 02:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BML-RW7 3
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-066A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723Q	QC Batch: 65758			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:42 PM
Arsenic	7.6	1.0		mg/Kg	1	7/23/2010 06:42 PM
Barium	170	1.0		mg/Kg	1	7/23/2010 06:42 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:42 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:42 PM
Chromium	27	1.0		mg/Kg	1	7/23/2010 06:42 PM
Cobalt	20	1.0		mg/Kg	1	7/23/2010 06:42 PM
Copper	48	2.0		mg/Kg	1	7/23/2010 06:42 PM
Lead	30	1.0		mg/Kg	1	7/23/2010 06:42 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:42 PM
Nickel	49	1.0		mg/Kg	1	7/23/2010 06:42 PM
Selenium	1.6	1.0		mg/Kg	1	7/23/2010 06:42 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:42 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:42 PM
Vanadium	40	1.0		mg/Kg	1	7/23/2010 06:42 PM
Zinc	98	1.0		mg/Kg	1	7/23/2010 06:42 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723H	QC Batch: 65749			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 02:35 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *27-Jul-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BML-RW7 4
Lab Order:	112821	**Collection Date:**	7/19/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112821-067A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100723Q	QC Batch: 65758			PrepDate:	7/22/2010	Analyst: **SRB**
Antimony	ND	2.0		mg/Kg	1	7/23/2010 06:48 PM
Arsenic	8.4	1.0		mg/Kg	1	7/23/2010 06:48 PM
Barium	94	1.0		mg/Kg	1	7/23/2010 06:48 PM
Beryllium	ND	1.0		mg/Kg	1	7/23/2010 06:48 PM
Cadmium	ND	1.0		mg/Kg	1	7/23/2010 06:48 PM
Chromium	26	1.0		mg/Kg	1	7/23/2010 06:48 PM
Cobalt	21	1.0		mg/Kg	1	7/23/2010 06:48 PM
Copper	49	2.0		mg/Kg	1	7/23/2010 06:48 PM
Lead	16	1.0		mg/Kg	1	7/23/2010 06:48 PM
Molybdenum	ND	1.0		mg/Kg	1	7/23/2010 06:48 PM
Nickel	51	1.0		mg/Kg	1	7/23/2010 06:48 PM
Selenium	1.2	1.0		mg/Kg	1	7/23/2010 06:48 PM
Silver	ND	1.0		mg/Kg	1	7/23/2010 06:48 PM
Thallium	ND	1.0		mg/Kg	1	7/23/2010 06:48 PM
Vanadium	33	1.0		mg/Kg	1	7/23/2010 06:48 PM
Zinc	100	1.0		mg/Kg	1	7/23/2010 06:48 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100723H	QC Batch: 65749			PrepDate:	7/22/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/23/2010 02:21 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65756** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123600**
Client ID: **PBS** Batch ID: **65756** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983259**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	0.130	1.0									
Beryllium	ND	1.0									
Cadmium	0.016	1.0									
Chromium	ND	1.0									
Cobalt	0.029	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.036	1.0									
Selenium	ND	1.0									
Silver	0.029	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.219	1.0									

Sample ID: **LCS-65756** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123600**
Client ID: **LCSS** Batch ID: **65756** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983260**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.792	2.0	50.00	0	97.6	80	120				
Arsenic	48.590	1.0	50.00	0	97.2	80	120				
Barium	50.786	1.0	50.00	0.1301	101	80	120				
Beryllium	51.096	1.0	50.00	0	102	80	120				
Cadmium	49.596	1.0	50.00	0.01607	99.2	80	120				
Chromium	48.916	1.0	50.00	0	97.8	80	120				
Cobalt	50.858	1.0	50.00	0.02852	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65756** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123600**
Client ID: **LCSS** Batch ID: **65756** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983260**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	49.606	2.0	50.00	0	99.2	80	120				
Lead	50.190	1.0	50.00	0	100	80	120				
Molybdenum	51.131	1.0	50.00	0	102	80	120				
Nickel	48.422	1.0	50.00	0.03630	96.8	80	120				
Selenium	47.948	1.0	50.00	0	95.9	80	120				
Silver	49.776	1.0	50.00	0.02886	99.5	80	120				
Thallium	48.192	1.0	50.00	0	96.4	80	120				
Vanadium	50.504	1.0	50.00	0	101	80	120				
Zinc	48.645	1.0	50.00	0.2187	96.9	80	120				

Sample ID: **112821-027A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123600**
Client ID: **BB1-L 3.5** Batch ID: **65756** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983271**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	8.093	1.0						7.475	7.94	20	
Barium	109.103	1.0						106.9	2.07	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.246	1.0						0.2306	0	20	
Chromium	21.004	1.0						24.74	16.3	20	
Cobalt	11.421	1.0						10.17	11.6	20	
Copper	43.269	2.0						33.83	24.5	20	R
Lead	319.110	1.0						733.0	78.7	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	25.293	1.0						24.01	5.21	20	
Selenium	0.546	1.0						0.5254	0	20	
Silver	0.321	1.0						0.2962	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	70.591	1.0						72.36	2.48	20	
Zinc	132.497	1.0						138.0	4.10	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112821-027A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123600**
Client ID: **BB1-L 3.5** Batch ID: **65756** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983272**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	91.118	2.0	125.0	0	72.9	32	105				
Arsenic	111.658	1.0	125.0	7.475	83.3	49	106				
Barium	217.479	1.0	125.0	106.9	88.5	31	133				
Beryllium	113.680	1.0	125.0	0	90.9	56	106				
Cadmium	102.308	1.0	125.0	0.2306	81.7	51	103				
Chromium	129.815	1.0	125.0	24.74	84.1	45	114				
Cobalt	112.901	1.0	125.0	10.17	82.2	52	106				
Copper	145.087	2.0	125.0	33.83	89.0	54	125				
Lead	381.836	1.0	125.0	733.0	-281	34	126				S
Molybdenum	102.946	1.0	125.0	0	82.4	54	106				
Nickel	126.254	1.0	125.0	24.01	81.8	45	111				
Selenium	104.843	1.0	125.0	0.5254	83.5	47	104				
Silver	113.362	1.0	125.0	0.2962	90.5	56	112				
Thallium	99.147	1.0	125.0	0	79.3	46	101				
Vanadium	185.565	1.0	125.0	72.36	90.6	54	114				
Zinc	233.517	1.0	125.0	138.0	76.4	28	125				

Sample ID: **112821-027A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123600**
Client ID: **BB1-L 3.5** Batch ID: **65756** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	94.810	2.0	125.0	0	75.8	32	105	91.12	3.97	20	
Arsenic	110.797	1.0	125.0	7.475	82.7	49	106	111.7	0.774	20	
Barium	195.716	1.0	125.0	106.9	71.1	31	133	217.5	10.5	20	
Beryllium	113.425	1.0	125.0	0	90.7	56	106	113.7	0.225	20	
Cadmium	103.013	1.0	125.0	0.2306	82.2	51	103	102.3	0.687	20	
Chromium	133.877	1.0	125.0	24.74	87.3	45	114	129.8	3.08	20	
Cobalt	111.736	1.0	125.0	10.17	81.3	52	106	112.9	1.04	20	
Copper	145.280	2.0	125.0	33.83	89.2	54	125	145.1	0.133	20	
Lead	330.252	1.0	125.0	733.0	-322	34	126	381.8	14.5	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112821-027A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123600**
Client ID: **BB1-L 3.5** Batch ID: **65756** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1983274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	103.590	1.0	125.0	0	82.9	54	106	102.9	0.624	20	
Nickel	129.812	1.0	125.0	24.01	84.6	45	111	126.3	2.78	20	
Selenium	105.055	1.0	125.0	0.5254	83.6	47	104	104.8	0.202	20	
Silver	113.234	1.0	125.0	0.2962	90.4	56	112	113.4	0.113	20	
Thallium	99.671	1.0	125.0	0	79.7	46	101	99.15	0.528	20	
Vanadium	170.417	1.0	125.0	72.36	78.4	54	114	185.6	8.51	20	
Zinc	216.815	1.0	125.0	138.0	63.0	28	125	233.5	7.42	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65757**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123629**
Client ID: **PBS**	Batch ID: **65757**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/23/2010**	SeqNo: **1984013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.385	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.010	1.0									
Chromium	ND	1.0									
Cobalt	0.027	1.0									
Copper	ND	2.0									
Lead	0.160	1.0									
Molybdenum	ND	1.0									
Nickel	0.052	1.0									
Selenium	ND	1.0									
Silver	0.027	1.0									
Thallium	ND	1.0									
Vanadium	0.028	1.0									
Zinc	0.238	1.0									

Sample ID: **LCS-65757**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123629**
Client ID: **LCSS**	Batch ID: **65757**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **7/23/2010**	SeqNo: **1984014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.710	2.0	50.00	0.3846	96.7	80	120				
Arsenic	49.004	1.0	50.00	0	98.0	80	120				
Barium	50.593	1.0	50.00	0	101	80	120				
Beryllium	50.389	1.0	50.00	0	101	80	120				
Cadmium	49.804	1.0	50.00	0.009717	99.6	80	120				
Chromium	48.389	1.0	50.00	0	96.8	80	120				
Cobalt	50.623	1.0	50.00	0.02657	101	80	120				
Copper	48.703	2.0	50.00	0	97.4	80	120				
Lead	50.299	1.0	50.00	0.1596	100	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65757** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123629**
Client ID: **LCSS** Batch ID: **65757** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	50.784	1.0	50.00	0	102	80	120				
Nickel	47.946	1.0	50.00	0.05183	95.8	80	120				
Selenium	48.103	1.0	50.00	0	96.2	80	120				
Silver	49.307	1.0	50.00	0.02725	98.6	80	120				
Thallium	48.312	1.0	50.00	0	96.6	80	120				
Vanadium	50.320	1.0	50.00	0.02823	101	80	120				
Zinc	48.563	1.0	50.00	0.2381	96.6	80	120				

Sample ID: **112821-057A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123629**
Client ID: **BKL-RW7 2** Batch ID: **65757** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	2.722	1.0						2.656	2.48	20	
Barium	62.338	1.0						64.32	3.13	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	10.088	1.0						10.17	0.772	20	
Cobalt	7.962	1.0						7.102	11.4	20	
Copper	13.541	2.0						13.12	3.16	20	
Lead	2.877	1.0						2.895	0.620	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	11.152	1.0						10.56	5.46	20	
Selenium	ND	1.0						0	0	20	
Silver	0.232	1.0						0.2362	0	20	
Thallium	ND	1.0						0.3082	0	20	
Vanadium	74.802	1.0						74.29	0.682	20	
Zinc	33.660	1.0						32.79	2.62	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112821-057A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123629**
Client ID: **BKL-RW7 2** Batch ID: **65757** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	96.926	2.0	125.0	0	77.5	32	105				
Arsenic	102.139	1.0	125.0	2.656	79.6	49	106				
Barium	169.568	1.0	125.0	64.32	84.2	31	133				
Beryllium	106.456	1.0	125.0	0	85.2	56	106				
Cadmium	102.128	1.0	125.0	0	81.7	51	103				
Chromium	114.612	1.0	125.0	10.17	83.6	45	114				
Cobalt	107.684	1.0	125.0	7.102	80.5	52	106				
Copper	120.322	2.0	125.0	13.12	85.8	54	125				
Lead	104.846	1.0	125.0	2.895	81.6	34	126				
Molybdenum	100.385	1.0	125.0	0	80.3	54	106				
Nickel	107.991	1.0	125.0	10.56	77.9	45	111				
Selenium	98.881	1.0	125.0	0	79.1	47	104				
Silver	106.682	1.0	125.0	0.2362	85.2	56	112				
Thallium	97.999	1.0	125.0	0.3082	78.2	46	101				
Vanadium	196.952	1.0	125.0	74.29	98.1	54	114				
Zinc	133.124	1.0	125.0	32.79	80.3	28	125				

Sample ID: **112821-057A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123629**
Client ID: **BKL-RW7 2** Batch ID: **65757** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	100.454	2.0	125.0	0	80.4	32	105	96.93	3.57	20	
Arsenic	106.128	1.0	125.0	2.656	82.8	49	106	102.1	3.83	20	
Barium	180.283	1.0	125.0	64.32	92.8	31	133	169.6	6.13	20	
Beryllium	110.018	1.0	125.0	0	88.0	56	106	106.5	3.29	20	
Cadmium	104.718	1.0	125.0	0	83.8	51	103	102.1	2.50	20	
Chromium	118.756	1.0	125.0	10.17	86.9	45	114	114.6	3.55	20	
Cobalt	111.316	1.0	125.0	7.102	83.4	52	106	107.7	3.32	20	
Copper	125.327	2.0	125.0	13.12	89.8	54	125	120.3	4.07	20	
Lead	109.456	1.0	125.0	2.895	85.2	34	126	104.8	4.30	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112821-057A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123629**
Client ID: **BKL-RW7 2** Batch ID: **65757** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	104.425	1.0	125.0	0	83.5	54	106	100.4	3.95	20	
Nickel	113.213	1.0	125.0	10.56	82.1	45	111	108.0	4.72	20	
Selenium	101.825	1.0	125.0	0	81.5	47	104	98.88	2.93	20	
Silver	110.030	1.0	125.0	0.2362	87.8	56	112	106.7	3.09	20	
Thallium	100.811	1.0	125.0	0.3082	80.4	46	101	98.00	2.83	20	
Vanadium	205.555	1.0	125.0	74.29	105	54	114	197.0	4.27	20	
Zinc	138.129	1.0	125.0	32.79	84.3	28	125	133.1	3.69	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65758** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123630**
Client ID: **PBS** Batch ID: **65758** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	0.025	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	0.046	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.207	1.0									

Sample ID: **LCS-65758** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123630**
Client ID: **LCSS** Batch ID: **65758** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.994	2.0	50.00	0	96.0	80	120				
Arsenic	48.524	1.0	50.00	0	97.0	80	120				
Barium	50.233	1.0	50.00	0	100	80	120				
Beryllium	48.853	1.0	50.00	0	97.7	80	120				
Cadmium	49.348	1.0	50.00	0	98.7	80	120				
Chromium	47.565	1.0	50.00	0	95.1	80	120				
Cobalt	49.809	1.0	50.00	0.02498	99.6	80	120				
Copper	47.462	2.0	50.00	0	94.9	80	120				
Lead	48.917	1.0	50.00	0	97.8	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65758** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123630**
Client ID: **LCSS** Batch ID: **65758** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	49.827	1.0	50.00	0	99.7	80	120				
Nickel	46.271	1.0	50.00	0.04572	92.4	80	120				
Selenium	46.842	1.0	50.00	0	93.7	80	120				
Silver	48.073	1.0	50.00	0	96.1	80	120				
Thallium	47.710	1.0	50.00	0	95.4	80	120				
Vanadium	49.950	1.0	50.00	0	99.9	80	120				
Zinc	47.348	1.0	50.00	0.2075	94.3	80	120				

Sample ID: **112821-067A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123630**
Client ID: **BML-RW7 4** Batch ID: **65758** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.452	2.0						0.4810	0	20	
Arsenic	8.057	1.0						8.397	4.13	20	
Barium	97.191	1.0						93.67	3.69	20	
Beryllium	0.324	1.0						0.3846	0	20	
Cadmium	0.071	1.0						0.07908	0	20	
Chromium	24.159	1.0						25.96	7.18	20	
Cobalt	19.320	1.0						21.20	9.29	20	
Copper	47.351	2.0						49.48	4.40	20	
Lead	14.532	1.0						15.62	7.22	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	47.129	1.0						51.21	8.29	20	
Selenium	0.927	1.0						1.171	0	20	
Silver	0.234	1.0						0.2114	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	30.806	1.0						32.77	6.19	20	
Zinc	99.120	1.0						104.5	5.30	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112821-067A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123630**
Client ID: **BML-RW7 4** Batch ID: **65758** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	81.743	2.0	125.0	0.4810	65.0	32	105				
Arsenic	103.518	1.0	125.0	8.397	76.1	49	106				
Barium	232.417	1.0	125.0	93.67	111	31	133				
Beryllium	101.961	1.0	125.0	0.3846	81.3	56	106				
Cadmium	96.358	1.0	125.0	0.07908	77.0	51	103				
Chromium	122.278	1.0	125.0	25.96	77.1	45	114				
Cobalt	112.835	1.0	125.0	21.20	73.3	52	106				
Copper	148.420	2.0	125.0	49.48	79.2	54	125				
Lead	107.275	1.0	125.0	15.62	73.3	34	126				
Molybdenum	91.989	1.0	125.0	0	73.6	54	106				
Nickel	136.228	1.0	125.0	51.21	68.0	45	111				
Selenium	95.566	1.0	125.0	1.171	75.5	47	104				
Silver	102.259	1.0	125.0	0.2114	81.6	56	112				
Thallium	87.100	1.0	125.0	0	69.7	46	101				
Vanadium	133.107	1.0	125.0	32.77	80.3	54	114				
Zinc	182.835	1.0	125.0	104.5	62.7	28	125				

Sample ID: **112821-067A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123630**
Client ID: **BML-RW7 4** Batch ID: **65758** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	81.212	2.0	125.0	0.4810	64.6	32	105	81.74	0.651	20	
Arsenic	108.499	1.0	125.0	8.397	80.1	49	106	103.5	4.70	20	
Barium	264.134	1.0	125.0	93.67	136	31	133	232.4	12.8	20	S
Beryllium	103.434	1.0	125.0	0.3846	82.4	56	106	102.0	1.43	20	
Cadmium	98.596	1.0	125.0	0.07908	78.8	51	103	96.36	2.30	20	
Chromium	127.501	1.0	125.0	25.96	81.2	45	114	122.3	4.18	20	
Cobalt	118.107	1.0	125.0	21.20	77.5	52	106	112.8	4.57	20	
Copper	151.148	2.0	125.0	49.48	81.3	54	125	148.4	1.82	20	
Lead	111.627	1.0	125.0	15.62	76.8	34	126	107.3	3.98	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112821-067A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123630**
Client ID: **BML-RW7 4** Batch ID: **65758** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/23/2010** SeqNo: **1984038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	93.859	1.0	125.0	0	75.1	54	106	91.99	2.01	20	
Nickel	142.939	1.0	125.0	51.21	73.4	45	111	136.2	4.81	20	
Selenium	98.105	1.0	125.0	1.171	77.5	47	104	95.57	2.62	20	
Silver	105.491	1.0	125.0	0.2114	84.2	56	112	102.3	3.11	20	
Thallium	90.209	1.0	125.0	0	72.2	46	101	87.10	3.51	20	
Vanadium	140.627	1.0	125.0	32.77	86.3	54	114	133.1	5.49	20	
Zinc	193.079	1.0	125.0	104.5	70.8	28	125	182.8	5.45	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65733A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **PBS** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.373	5.0									

Sample ID: **LCS-65733** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **LCSS** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276.691	5.0	250.0	0.3180	111	80	120				

Sample ID: **112821-006A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **AP-MED 2** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983125**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.104	5.0						3.495	0	20	

Sample ID: **112821-006A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **AP-MED 2** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983126**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	219.795	5.0	250.0	3.495	86.5	34	126				

Sample ID: **MB-65733B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123594**
Client ID: **PBS** Batch ID: **65733** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.138	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112821-020A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123594**
Client ID: **BA1-L 2**	Batch ID: **65733**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.851	5.0						21.50	14.5	20	

Sample ID: **112821-020A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123594**
Client ID: **BA1-L 2**	Batch ID: **65733**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240.949	5.0	250.0	21.50	87.8	34	126				

Sample ID: **112821-020A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123594**
Client ID: **BA1-L 2**	Batch ID: **65733**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.381	5.0	250.0	21.50	84.4	34	126	240.9	3.62	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65734A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123604**
Client ID: **PBS** Batch ID: **65734** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983300**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.288	5.0									

Sample ID: **LCS-65734** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123604**
Client ID: **LCSS** Batch ID: **65734** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983301**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	279.065	5.0	250.0	0.2883	112	80	120				

Sample ID: **112821-035A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123604**
Client ID: **BCL-RW5 4** Batch ID: **65734** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983312**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.182	5.0						6.991	2.70	20	

Sample ID: **112821-035A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123604**
Client ID: **BCL-RW5 4** Batch ID: **65734** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	207.056	5.0	250.0	6.991	80.0	34	126				

Sample ID: **MB-65734B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123604**
Client ID: **PBS** Batch ID: **65734** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983314**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.231	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112821-053A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123604**
Client ID: **BJL-RW7 2**	Batch ID: **65734**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983325**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.398	5.0						3.372	0	20	

Sample ID: **112821-053A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123604**
Client ID: **BJL-RW7 2**	Batch ID: **65734**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983326**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230.964	5.0	250.0	3.372	91.0	34	126				

Sample ID: **112821-053A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/22/2010**	RunNo: **123604**
Client ID: **BJL-RW7 2**	Batch ID: **65734**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **7/23/2010**	SeqNo: **1983327**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.537	5.0	250.0	3.372	91.7	34	126	231.0	0.679	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65735A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123609**
Client ID: **PBS** Batch ID: **65735** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983444**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.190	5.0									

Sample ID: **LCS-65735** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123609**
Client ID: **LCSS** Batch ID: **65735** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983445**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	267.744	5.0	250.0	0.1903	107	80	120				

Sample ID: **112821-063A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123609**
Client ID: **BLL-RW7 4** Batch ID: **65735** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983452**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.853	5.0						15.80	20.6	20	R

Sample ID: **112821-063A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123609**
Client ID: **BLL-RW7 4** Batch ID: **65735** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983453**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	215.424	5.0	250.0	15.80	79.8	34	126				

Sample ID: **112821-063A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123609**
Client ID: **BLL-RW7 4** Batch ID: **65735** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **7/23/2010** SeqNo: **1983454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	207.892	5.0	250.0	15.80	76.8	34	126	215.4	3.56	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112821-028A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **BBL-RW5 1** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **112821-028A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **BBL-RW5 1** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.060	0.10	5.000	0	101	85	115				

Sample ID: **112821-028A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **BBL-RW5 1** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.120	0.10	5.000	0	102	85	115	5.060	1.18	20	

Sample ID: **LCS-65846** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **LCSS** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.810	0.10	5.000	0	96.2	85	115				

Sample ID: **MB-65846** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/23/2010** RunNo: **123622**
Client ID: **PBS** Batch ID: **65846** TestNo: **EPA 7196A** Analysis Date: **7/23/2010** SeqNo: **1983881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65747** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **PBS** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65747** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **LCSS** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.924	0.10	0.8300	0	111	80	120				

Sample ID: **112821-026A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **BB1-L 3** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983100**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.041	0.10	0.8300	0.1065	113	70	130				

Sample ID: **112821-026A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **BB1-L 3** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983101**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.046	0.10	0.8300	0.1065	113	70	130	1.041	0.462	20	

Sample ID: **112821-026A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123595**
Client ID: **BB1-L 3** Batch ID: **65747** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.106	0.10						0.1065	0.224	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65748** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123598**
Client ID: **PBS** Batch ID: **65748** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65748** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123598**
Client ID: **LCSS** Batch ID: **65748** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983233**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.913	0.10	0.8300	0	110	80	120				

Sample ID: **112821-056A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123598**
Client ID: **BKL-RW7 1** Batch ID: **65748** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983234**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.930	0.10	0.8300	0	112	70	130				

Sample ID: **112821-056A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123598**
Client ID: **BKL-RW7 1** Batch ID: **65748** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983235**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.931	0.10	0.8300	0	112	70	130	0.9299	0.0838	20	

Sample ID: **112821-056A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123598**
Client ID: **BKL-RW7 1** Batch ID: **65748** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65749** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123601**
Client ID: **PBS** Batch ID: **65749** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983276**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65749** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123601**
Client ID: **LCSS** Batch ID: **65749** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983277**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.863	0.10	0.8300	0	104	80	120				

Sample ID: **112821-067A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123601**
Client ID: **BML-RW7 4** Batch ID: **65749** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.965	0.10	0.8300	0.07515	107	70	130				

Sample ID: **112821-067A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123601**
Client ID: **BML-RW7 4** Batch ID: **65749** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983279**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.965	0.10	0.8300	0.07515	107	70	130	0.9650	0.0498	20	

Sample ID: **112821-067A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/22/2010** RunNo: **123601**
Client ID: **BML-RW7 4** Batch ID: **65749** TestNo: **EPA 7471A** Analysis Date: **7/23/2010** SeqNo: **1983281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.075	0.10						0.07515	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112821-060ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123646**
Client ID: **BLL-RW7 1** Batch ID: **R123646** TestNo: **EPA 9045C** Analysis Date: **7/26/2010** SeqNo: **1984616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.660	0.10						8.640	0.231	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

4 4

Sample Condition Upon Receipt

1. CHILLED (Y) N
2. HEADSPACE (VOA) N/A Y N
3. CONTAINER INTACT (Y) N
4. SEALED Y (N)
5. # OF SPLS MATCH COC (Y) N
6. PRESERVED Y (N)

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: D. Watts (Signature) Watts

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Watts	7/19/2010	1600	GSO	7/19/2010	1600
				7/20/10	900

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: D. Watts | 7/19/10
Print Name Date
Watts
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
10% pH (RANDOM-LAB)
PLEASE RETURN ALL COOLERS
CALTRANS QA

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
~~AN-MED (0.5, 1, 2, 3, 4, 6)~~										X					X											
112821 - 1/8	AO-MED ~~(0.5~~, 1, 2, 3, 4, ~~6)~~	7/19/10	0544				X								X							E	4	T	P	a
3/8	AP-MED ~~(0.5~~, 1, 2, 3, 4, ~~6)~~	↓	0610				X								X											
9/12	AQ-MED ~~(0.5~~, 1, 2, 3, 4, ~~6)~~	↓	0630							X					X											
(9,12)	~~AQ-MED (0.5)~~										X				X											
13/17	AZ1-L (0.5, 1, 2, 3, ~~4, 6)~~ 3.5	7/19/10	VAR				X								X								5	Bg	P	
13/21	BA1-L (0.5, 1, 2, 3, ~~4, 6)~~ 3.5	↓	VAR				X								X								5	U	↓	
22/24	BB1-L (0.5, 1, 2, 3, ~~4, 6)~~ 3.5	↓	VAR							X					X								5	J	G	
~~AZ1-L (0.5)~~	AQ-MED (0.0)	↓	0630								X				X							↓	1	T	P	↓

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: WHH (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
WHH	7/19/2010	1600	GSO	7/19/2010	1600
			MGB	7/20/10	930

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: _____
Print Name: SEE Pg 1 Date: _____
Signature: _____

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
11	28/21 – 28/31	BBL-RW5 ~~(0.5)~~, 1, 2, 3, 4, ~~(6, 30)~~	7/19/10	0641				X								X						E	4	T	P	C
		BBL-RW5 ~~(0.5)~~ (1)	↓	0641							X					X							1	T	P	C
		~~BBL-RW5 (20)~~											X			X		X								
		~~BBL-RW5 (30)~~								X						X		X								
	32/35	BCL-RW5 ~~(0.5)~~ 1, 2, 3, 4, ~~(6, 30)~~	7/19/10	0711				X								X							4	T	P	C
		~~BCL-RW5 (20)~~											X			X		X								
		~~BCL-RW5 (30)~~								X						X		X								
	36/39	BD1-L ~~(0.5)~~ 1, 2, 3, 4, ~~(6)~~	7/19/10	0726				X								X							4	T	P	C

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: (Signature) [illegible]

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[illegible]	7/19/2010	1600	GSO	7/19/2010	1600
			[illegible]	7/20/10	900

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Print Name: SEE Pg 1 Date: _____ Signature: _____

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
1125-48	BEL-RW6 ~~(0.5)~~ 1, 2, 3, 4, ~~6, 30~~	7/19/10	0741							X						X						E	4	T	P	C
	~~BEL-RW6 (30)~~											X				X		X								
	~~BEL-RW6 (30)~~							X								X		X								
49	BFL-RW6 ~~(0.5)~~ 1, 2, 3, 4, ~~6, 30~~	7/19/10	0800				X									X						E	4	T	P	C
	~~BFL-RW6 (30)~~											X				X		X								
	~~BFL-RW6 (30)~~							X								X		X								
50	BIL-RW7 ~~(0.5)~~ 1, 2, 3, 4, ~~6, 30~~	7/19/10	0817							X						X						E	4	T	P	C
	BIL-RW7 ~~(0.5)~~ (1)	↓	↓								X					X						E	1	T	P	C
	~~BIL-RW7 (30)~~											X				X		X								
	~~BIL-RW7 (30)~~							X								X		X								

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: [signature] (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	7/19/2010	1600	GSO	7/19/2010	1600
			Mario [signature]	7/20/10	900

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: _____
Print Name: SEE Pg 1 Date: _____
Signature: _____

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
1127	-57/55	BJL-RW7 ~~(0.5~~1, 2, 3, 4, ~~6, 30)~~	7/19/10	0834				X								X						E	4	T	P	C
		~~BJL-RW7 (30)~~										X				X		X								
		~~BJL-RW7 (30)~~							X							X		X								
	-56/59	BKL-RW7 ~~(0.5~~1, 2, 3, 4, ~~6, 30)~~	7/19/10	0853						X						X						E	4	T	P	C
		~~BKL-RW7 (30)~~										X				X		X								
		~~BKL-RW7 (30)~~						X								X		X								
	-60/63	BLL-RW7 ~~(0.5~~1, 2, 3, 4, ~~6, 30)~~	7/19/10	0905				X								X						E	4	T	P	C
		~~BLL-RW7 (30)~~										X				X		X								
		~~BLL-RW7 (30)~~						X								X		X								

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	7/19/2010	1600	[signature]	7/19/2010	1600
			[signature]	7/20/10	930

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: SEE Pg 1
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

			8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
1124H - 64 oz	BML-RW7 ~~(0.5,~~ 1, 2, 3, 4, ~~6, 30)~~	7/19/10							X						X						E	4	T	P	C
	~~BML-RW7 (30)~~										X				X		X								
	~~BML-RW7 (30)~~						X								X		X								
															X										
															X										
															X										
															X										
															X										
															X										
															X										

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

August 06, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112821

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 20, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112821

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for sample 112821-019A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/6/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112821
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/20/2010 9:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112821-014A	AZ1-L 1	7.9	mg/L	66018	0.25	1	7/19/2010	8/5/2010
112821-019A	BA1-L 1	19	mg/L	66018	2.5	10	7/19/2010	8/5/2010
112821-024A	BB1-L 1	4.8	mg/L	66018	0.25	1	7/19/2010	8/5/2010
112821-065A	BML-RW7 2	1.5	mg/L	66018	0.25	1	7/19/2010	8/5/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/6/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (TCLP)
EPA 1311/ 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112821
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/20/2010 9:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112821-013A	AZ1-L 0.5	0.97	mg/L	66051	0.25	1	7/19/2010	8/4/2010
112821-018A	BA1-L 0.5	0.59	mg/L	66051	0.25	1	7/19/2010	8/4/2010
112821-023A	BB1-L 0.5	0.69	mg/L	66051	0.25	1	7/19/2010	8/4/2010
112821-027A	BB1-L 3.5	0.44	mg/L	66051	0.25	1	7/19/2010	8/4/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-66018A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123955**
Client ID: **PBS** Batch ID: **66018** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/5/2010** SeqNo: **1990891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66018** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123955**
Client ID: **LCSS** Batch ID: **66018** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/5/2010** SeqNo: **1990892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.957	0.25	5.000	0	99.1	80	120				

Sample ID: **112821-024A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123955**
Client ID: **BB1-L 1** Batch ID: **66018** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/5/2010** SeqNo: **1990896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.850	0.25						4.803	0.975	20	

Sample ID: **112821-024A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123955**
Client ID: **BB1-L 1** Batch ID: **66018** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/5/2010** SeqNo: **1990897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.036	0.50	5.000	4.803	105	80	120				

Sample ID: **112821-024A-MSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/3/2010** RunNo: **123955**
Client ID: **BB1-L 1** Batch ID: **66018** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/5/2010** SeqNo: **1990898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.976	0.50	5.000	4.803	103	80	120	10.04	0.601	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-66051** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/4/2010** RunNo: **123923**
Client ID: **PBS** Batch ID: **66051** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/4/2010** SeqNo: **1990274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-66037A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/4/2010** RunNo: **123923**
Client ID: **PBS** Batch ID: **66051** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/4/2010** SeqNo: **1990275**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66051** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/4/2010** RunNo: **123923**
Client ID: **LCSS** Batch ID: **66051** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/4/2010** SeqNo: **1990276**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.002	0.25	1.000	0	100	80	120				

Sample ID: **112936-003A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/4/2010** RunNo: **123923**
Client ID: **ZZZZZZ** Batch ID: **66051** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/4/2010** SeqNo: **1990282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112936-003A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/4/2010** RunNo: **123923**
Client ID: **ZZZZZZ** Batch ID: **66051** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/4/2010** SeqNo: **1990283**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.903	0.25	2.500	0	116	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **112936-003A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/4/2010** RunNo: **123923**
Client ID: **ZZZZZZ** Batch ID: **66051** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/4/2010** SeqNo: **1990284**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.867	0.25	2.500	0	115	70	130	2.903	1.26	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Friday, July 30, 2010 3:59 PM
To: Diane Galvan
Cc: 'David Watts'
Subject: FW: FW: Results/EDD - Alameda County Eastbound I-580 Truck Climbing Lane Project

Diane:
Please run the following samples under standard TAT. Thanks!
-Lauren

WO112653:

AO1-R 0.5 for Pb DI-WET.

WO112821:

Pb WET:
BML-RW7 2
AZ1-L 1
BB1-L 1
BA1-L 1

Pb TCLP:
BA1-L 0.5
BB1-L 0.5
BB1-L 3.5
AZ1-L 0.5

****

Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com

Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 768-9874

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank Bakersfield Sacramento Livermore Carson City Las Vegas Portland

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August 13, 2010

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112821

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550

TEL: (925) 768-9874
FAX: (925) 371-5915

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 20, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: 8/13/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112821
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/20/2010 9:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112821-014A	AZ1-L 1	ND	mg/L	66140	0.25	1	7/19/2010	8/11/2010
112821-019A	BA1-L 1	ND	mg/L	66140	0.25	1	7/19/2010	8/11/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112821
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-66140A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/9/2010** RunNo: **124118**
Client ID: **PBS** Batch ID: **66140** TestNo: **WET DI/ EPA WET** Analysis Date: **8/11/2010** SeqNo: **1993747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66140** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/9/2010** RunNo: **124118**
Client ID: **LCSS** Batch ID: **66140** TestNo: **WET DI/ EPA WET** Analysis Date: **8/11/2010** SeqNo: **1993748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.170	0.25	5.000	0	103	80	120				

Sample ID: **112821-019A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/9/2010** RunNo: **124118**
Client ID: **BA1-L 1** Batch ID: **66140** TestNo: **WET DI/ EPA WET** Analysis Date: **8/11/2010** SeqNo: **1993751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112821-019A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/9/2010** RunNo: **124118**
Client ID: **BA1-L 1** Batch ID: **66140** TestNo: **WET DI/ EPA WET** Analysis Date: **8/11/2010** SeqNo: **1993752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.227	0.25	5.000	0	105	70	130				

Sample ID: **112821-019A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/9/2010** RunNo: **124118**
Client ID: **BA1-L 1** Batch ID: **66140** TestNo: **WET DI/ EPA WET** Analysis Date: **8/11/2010** SeqNo: **1993753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.306	0.25	5.000	0	106	70	130	5.227	1.50	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Friday, August 06, 2010 4:18 PM
To: Diane Galvan
Cc: 'David Watts'; 'Rick Day (Geocon)'
Subject: FW: FW: Additional Results/EDD - Altamont (112821add)

Diane:
Please run these samples for Pb DI-WET for WO112821:

AZ1-L 1
BA1-L 1

Thanks,
-Lauren

****
Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 321-3291

August 03, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112932

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 27, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112932

CASE NARRATIVE

Analytical Comments for Method 6010

RPD for Duplicate (DUP) is outside criteria for samples 112932-016ADUP, 112932-036ADUP and 112942-006ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for Method 8021

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112928-047AMS and 112928-047AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: 8/3/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-001A	T1-R 0.5	47	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-002A	T1-R 1	16	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-003A	T2-R 0.5	44	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-004A	T2-R 1	8.1	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-011A	U2-R 0.5	250	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-012A	U2-R 1	270	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-013A	U2-R 2	220	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-014A	U2-R 3	19	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-015A	U2-R 4	13	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-016A	U2-R 6	6.2	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-017A	U3-R 0.5	520	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-018A	V1-R 0.5	180	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-019A	V1-R 1	160	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-020A	V1-R 2	71	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-021A	V1-R 3	5.8	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-022A	V1-R 4	5.1	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-023A	V1-R 6	18	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-024A	V2-R 0.5	360	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 8/3/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-025A	V2-R 1	110	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-026A	V2-R 2	21	mg/Kg	65979	5.0	1	7/26/2010	8/2/2010
112932-027A	V2-R 3	220	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-028A	V2-R 4	9.0	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-029A	V2-R 6	18	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-030A	W1-RW2 0.5	250	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-031A	W1-RW2 1	22	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-032A	W1-RW2 2	ND	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-033A	W1-RW2 3	ND	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-034A	W1-RW2 4	9.2	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-035A	W1-RW2 6	6.4	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-036A	W2-RW2 0.5	150	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-037A	W2-RW2 1	5.9	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-038A	W2-RW2 2	6.1	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-039A	W2-RW2 3	13	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-040A	W2-RW2 4	17	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-041A	W2-RW2 6	11	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-042A	W3-RW2 0.5	130	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 8/3/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JSD

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-043A	W2-RW2 40	16	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-051A	X2-RW2 0.5	240	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-052A	X2-RW2 1	17	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-053A	X2-RW2 2	9.6	mg/Kg	65980	5.0	1	7/26/2010	8/2/2010
112932-054A	X2-RW2 3	6.5	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-055A	X2-RW2 4	7.7	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-056A	X2-RW2 6	9.0	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-057A	X3-RW2 0.5	13	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-058A	X2-RW2 45	12	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-060A	Y3-RW2 0.5	110	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-061A	Y3-RW2 1	13	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-062A	Y3-RW2 2	6.0	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-063A	Y3-RW2 3	6.5	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-064A	Y3-RW2 4	8.3	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-065A	Y3-RW2 6	6.2	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010
112932-066A	Y2-RW2 18	ND	mg/Kg	65981	5.0	1	7/26/2010	8/2/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 8/3/2010

ANALYTICAL RESULTS

HEXAVALENT CHROMIUM
EPA 7196A

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Chromium, Hexavalent	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-018A	V1-R 0.5	ND	mg/Kg	65985	0.10	1	7/26/2010	7/30/2010

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 8/3/2010

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-001A	T1-R 0.5	8.2	pH Units	R123790	0.10	1	7/26/2010	7/29/2010
112932-012A	U2-R 1	7.6	pH Units	R123790	0.10	1	7/26/2010	7/29/2010
112932-026A	V2-R 2	8.2	pH Units	R123790	0.10	1	7/26/2010	7/29/2010
112932-038A	W2-RW2 2	8.3	pH Units	R123790	0.10	1	7/26/2010	7/29/2010
112932-041A	W2-RW2 6	8.0	pH Units	R123790	0.10	1	7/26/2010	7/29/2010
112932-053A	X2-RW2 2	8.1	pH Units	R123790	0.10	1	7/26/2010	7/29/2010
112932-065A	Y3-RW2 6	7.7	pH Units	R123790	0.10	1	7/26/2010	7/29/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	U1-R 0.5
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-005A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729C	QC Batch: 65921			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 02:37 PM
Arsenic	8.2	1.0		mg/Kg	1	7/29/2010 02:37 PM
Barium	120	1.0		mg/Kg	1	7/29/2010 02:37 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 02:37 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 02:37 PM
Chromium	24	1.0		mg/Kg	1	7/29/2010 02:37 PM
Cobalt	11	1.0		mg/Kg	1	7/29/2010 02:37 PM
Copper	34	2.0		mg/Kg	1	7/29/2010 02:37 PM
Lead	290	1.0		mg/Kg	1	7/29/2010 02:37 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 02:37 PM
Nickel	27	1.0		mg/Kg	1	7/29/2010 02:37 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 02:37 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 02:37 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 02:37 PM
Vanadium	61	1.0		mg/Kg	1	7/29/2010 02:37 PM
Zinc	240	1.0		mg/Kg	1	7/29/2010 02:37 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730B	QC Batch: 65919			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	0.18	0.10		mg/Kg	1	7/30/2010 10:20 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	U1-R 1
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-006A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729C	QC Batch: 65921			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 02:39 PM
Arsenic	7.5	1.0		mg/Kg	1	7/29/2010 02:39 PM
Barium	130	1.0		mg/Kg	1	7/29/2010 02:39 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 02:39 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 02:39 PM
Chromium	22	1.0		mg/Kg	1	7/29/2010 02:39 PM
Cobalt	8.6	1.0		mg/Kg	1	7/29/2010 02:39 PM
Copper	29	2.0		mg/Kg	1	7/29/2010 02:39 PM
Lead	420	1.0		mg/Kg	1	7/29/2010 02:39 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 02:39 PM
Nickel	25	1.0		mg/Kg	1	7/29/2010 02:39 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 02:39 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 02:39 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 02:39 PM
Vanadium	57	1.0		mg/Kg	1	7/29/2010 02:39 PM
Zinc	230	1.0		mg/Kg	1	7/29/2010 02:39 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730B	QC Batch: 65919			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/30/2010 10:22 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	U1-R 2
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-007A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729C	QC Batch: 65921			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 02:41 PM
Arsenic	4.3	1.0		mg/Kg	1	7/29/2010 02:41 PM
Barium	110	1.0		mg/Kg	1	7/29/2010 02:41 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 02:41 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 02:41 PM
Chromium	34	1.0		mg/Kg	1	7/29/2010 02:41 PM
Cobalt	7.8	1.0		mg/Kg	1	7/29/2010 02:41 PM
Copper	20	2.0		mg/Kg	1	7/29/2010 02:41 PM
Lead	23	1.0		mg/Kg	1	7/29/2010 02:41 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 02:41 PM
Nickel	51	1.0		mg/Kg	1	7/29/2010 02:41 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 02:41 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 02:41 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 02:41 PM
Vanadium	28	1.0		mg/Kg	1	7/29/2010 02:41 PM
Zinc	36	1.0		mg/Kg	1	7/29/2010 02:41 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730B	QC Batch: 65919			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/30/2010 10:28 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	U1-R 3
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-008A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729C	QC Batch: 65921			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 02:43 PM
Arsenic	4.6	1.0		mg/Kg	1	7/29/2010 02:43 PM
Barium	110	1.0		mg/Kg	1	7/29/2010 02:43 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 02:43 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 02:43 PM
Chromium	19	1.0		mg/Kg	1	7/29/2010 02:43 PM
Cobalt	6.4	1.0		mg/Kg	1	7/29/2010 02:43 PM
Copper	20	2.0		mg/Kg	1	7/29/2010 02:43 PM
Lead	73	1.0		mg/Kg	1	7/29/2010 02:43 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 02:43 PM
Nickel	31	1.0		mg/Kg	1	7/29/2010 02:43 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 02:43 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 02:43 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 02:43 PM
Vanadium	39	1.0		mg/Kg	1	7/29/2010 02:43 PM
Zinc	67	1.0		mg/Kg	1	7/29/2010 02:43 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730B	QC Batch: 65919			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	ND	0.10		mg/Kg	1	7/30/2010 10:30 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	U1-R 4
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-009A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729C	QC Batch: 65921			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 02:45 PM
Arsenic	5.3	1.0		mg/Kg	1	7/29/2010 02:45 PM
Barium	46	1.0		mg/Kg	1	7/29/2010 02:45 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 02:45 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 02:45 PM
Chromium	25	1.0		mg/Kg	1	7/29/2010 02:45 PM
Cobalt	8.4	1.0		mg/Kg	1	7/29/2010 02:45 PM
Copper	12	2.0		mg/Kg	1	7/29/2010 02:45 PM
Lead	3.7	1.0		mg/Kg	1	7/29/2010 02:45 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 02:45 PM
Nickel	19	1.0		mg/Kg	1	7/29/2010 02:45 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 02:45 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 02:45 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 02:45 PM
Vanadium	63	1.0		mg/Kg	1	7/29/2010 02:45 PM
Zinc	47	1.0		mg/Kg	1	7/29/2010 02:45 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730B	QC Batch: 65919			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	0.26	0.10		mg/Kg	1	7/30/2010 10:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	U1-R 6
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-010A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729C	QC Batch: 65921			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 02:46 PM
Arsenic	5.5	1.0		mg/Kg	1	7/29/2010 02:46 PM
Barium	69	1.0		mg/Kg	1	7/29/2010 02:46 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 02:46 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 02:46 PM
Chromium	24	1.0		mg/Kg	1	7/29/2010 02:46 PM
Cobalt	8.4	1.0		mg/Kg	1	7/29/2010 02:46 PM
Copper	29	2.0		mg/Kg	1	7/29/2010 02:46 PM
Lead	6.5	1.0		mg/Kg	1	7/29/2010 02:46 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 02:46 PM
Nickel	27	1.0		mg/Kg	1	7/29/2010 02:46 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 02:46 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 02:46 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 02:46 PM
Vanadium	47	1.0		mg/Kg	1	7/29/2010 02:46 PM
Zinc	64	1.0		mg/Kg	1	7/29/2010 02:46 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730B	QC Batch: 65919			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	0.36	0.10		mg/Kg	1	7/30/2010 10:07 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	W2-RW2 40
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-043A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100730A	QC Batch: 65934			PrepDate: 7/28/2010		Analyst: **HL**
DRO	15	1.0		mg/Kg	1	7/30/2010 11:12 AM
ORO	31	1.0		mg/Kg	1	7/30/2010 11:12 AM
Surr: p-Terphenyl	74.5	30-128		%REC	1	7/30/2010 11:12 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100728A	QC Batch: E10VS230			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/28/2010 12:12 PM
Surr: Bromofluorobenzene (FID)	100	56-137		%REC	1	7/28/2010 12:12 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100728A	QC Batch: E10VS230			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/28/2010 12:12 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/28/2010 12:12 PM
m,p-Xylene	ND	10		µg/Kg	1	7/28/2010 12:12 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/28/2010 12:12 PM
o-Xylene	ND	5.0		µg/Kg	1	7/28/2010 12:12 PM
Toluene	ND	5.0		µg/Kg	1	7/28/2010 12:12 PM
Surr: Bromofluorobenzene (PID)	99.6	64-116		%REC	1	7/28/2010 12:12 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	TRIP BLANK
Lab Order:	112932	**Collection Date:**	7/26/2010 4:17:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	WATER
Lab ID:	112932-044A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B(M)			
RunID: GC19_100729A	QC Batch:	M10VW078		PrepDate:		Analyst: **CL**
GRO	ND	0.050		mg/L	1	7/29/2010 11:38 AM
Surr: Bromofluorobenzene (FID)	105	70-130		%REC	1	7/29/2010 11:38 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
			EPA 8021B			
RunID: GC19_100729A	QC Batch:	M10VW078		PrepDate:		Analyst: **CL**
Benzene	ND	0.50		µg/L	1	7/29/2010 11:38 AM
Ethylbenzene	ND	0.50		µg/L	1	7/29/2010 11:38 AM
m,p-Xylene	ND	1.0		µg/L	1	7/29/2010 11:38 AM
Methyl tert-butyl ether	ND	0.50		µg/L	1	7/29/2010 11:38 AM
o-Xylene	ND	0.50		µg/L	1	7/29/2010 11:38 AM
Toluene	ND	0.50		µg/L	1	7/29/2010 11:38 AM
Surr: Bromofluorobenzene (PID)	105	70-130		%REC	1	7/29/2010 11:38 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X1-RW2 0.5
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-045A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729D	QC Batch: 65922			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 03:07 PM
Arsenic	7.8	1.0		mg/Kg	1	7/29/2010 03:07 PM
Barium	120	1.0		mg/Kg	1	7/29/2010 03:07 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 03:07 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 03:07 PM
Chromium	26	1.0		mg/Kg	1	7/29/2010 03:07 PM
Cobalt	10	1.0		mg/Kg	1	7/29/2010 03:07 PM
Copper	46	2.0		mg/Kg	1	7/29/2010 03:07 PM
Lead	220	1.0		mg/Kg	1	7/29/2010 03:07 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 03:07 PM
Nickel	33	1.0		mg/Kg	1	7/29/2010 03:07 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 03:07 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 03:07 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 03:07 PM
Vanadium	51	1.0		mg/Kg	1	7/29/2010 03:07 PM
Zinc	440	1.0		mg/Kg	1	7/29/2010 03:07 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730A	QC Batch: 65920			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	0.39	0.10		mg/Kg	1	7/30/2010 09:28 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X1-RW2 1
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-046A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729D	QC Batch: 65922			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 03:09 PM
Arsenic	11	1.0		mg/Kg	1	7/29/2010 03:09 PM
Barium	70	1.0		mg/Kg	1	7/29/2010 03:09 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 03:09 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 03:09 PM
Chromium	19	1.0		mg/Kg	1	7/29/2010 03:09 PM
Cobalt	11	1.0		mg/Kg	1	7/29/2010 03:09 PM
Copper	33	2.0		mg/Kg	1	7/29/2010 03:09 PM
Lead	14	1.0		mg/Kg	1	7/29/2010 03:09 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 03:09 PM
Nickel	29	1.0		mg/Kg	1	7/29/2010 03:09 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 03:09 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 03:09 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 03:09 PM
Vanadium	32	1.0		mg/Kg	1	7/29/2010 03:09 PM
Zinc	70	1.0		mg/Kg	1	7/29/2010 03:09 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730A	QC Batch: 65920			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	0.54	0.10		mg/Kg	1	7/30/2010 09:30 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X1-RW2 2
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-047A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729D	QC Batch: 65922			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 03:11 PM
Arsenic	8.6	1.0		mg/Kg	1	7/29/2010 03:11 PM
Barium	76	1.0		mg/Kg	1	7/29/2010 03:11 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 03:11 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 03:11 PM
Chromium	20	1.0		mg/Kg	1	7/29/2010 03:11 PM
Cobalt	8.9	1.0		mg/Kg	1	7/29/2010 03:11 PM
Copper	29	2.0		mg/Kg	1	7/29/2010 03:11 PM
Lead	160	1.0		mg/Kg	1	7/29/2010 03:11 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 03:11 PM
Nickel	26	1.0		mg/Kg	1	7/29/2010 03:11 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 03:11 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 03:11 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 03:11 PM
Vanadium	40	1.0		mg/Kg	1	7/29/2010 03:11 PM
Zinc	260	1.0		mg/Kg	1	7/29/2010 03:11 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730A	QC Batch: 65920			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	0.64	0.10		mg/Kg	1	7/30/2010 09:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X1-RW2 3
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-048A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729D	QC Batch: 65922			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 03:13 PM
Arsenic	11	1.0		mg/Kg	1	7/29/2010 03:13 PM
Barium	68	1.0		mg/Kg	1	7/29/2010 03:13 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 03:13 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 03:13 PM
Chromium	20	1.0		mg/Kg	1	7/29/2010 03:13 PM
Cobalt	11	1.0		mg/Kg	1	7/29/2010 03:13 PM
Copper	29	2.0		mg/Kg	1	7/29/2010 03:13 PM
Lead	23	1.0		mg/Kg	1	7/29/2010 03:13 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 03:13 PM
Nickel	26	1.0		mg/Kg	1	7/29/2010 03:13 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 03:13 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 03:13 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 03:13 PM
Vanadium	36	1.0		mg/Kg	1	7/29/2010 03:13 PM
Zinc	81	1.0		mg/Kg	1	7/29/2010 03:13 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730A	QC Batch: 65920			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	0.55	0.10		mg/Kg	1	7/30/2010 09:39 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X1-RW2 4
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-049A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729D	QC Batch: 65922			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 03:15 PM
Arsenic	11	1.0		mg/Kg	1	7/29/2010 03:15 PM
Barium	78	1.0		mg/Kg	1	7/29/2010 03:15 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 03:15 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 03:15 PM
Chromium	23	1.0		mg/Kg	1	7/29/2010 03:15 PM
Cobalt	16	1.0		mg/Kg	1	7/29/2010 03:15 PM
Copper	38	2.0		mg/Kg	1	7/29/2010 03:15 PM
Lead	38	1.0		mg/Kg	1	7/29/2010 03:15 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 03:15 PM
Nickel	32	1.0		mg/Kg	1	7/29/2010 03:15 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 03:15 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 03:15 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 03:15 PM
Vanadium	40	1.0		mg/Kg	1	7/29/2010 03:15 PM
Zinc	100	1.0		mg/Kg	1	7/29/2010 03:15 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730A	QC Batch: 65920			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	0.59	0.10		mg/Kg	1	7/30/2010 09:41 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X1-RW2 6
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-050A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP10_100729D	QC Batch: 65922			PrepDate:	7/29/2010	Analyst: **JSD**
Antimony	ND	2.0		mg/Kg	1	7/29/2010 03:17 PM
Arsenic	7.6	1.0		mg/Kg	1	7/29/2010 03:17 PM
Barium	62	1.0		mg/Kg	1	7/29/2010 03:17 PM
Beryllium	ND	1.0		mg/Kg	1	7/29/2010 03:17 PM
Cadmium	ND	1.0		mg/Kg	1	7/29/2010 03:17 PM
Chromium	20	1.0		mg/Kg	1	7/29/2010 03:17 PM
Cobalt	8.0	1.0		mg/Kg	1	7/29/2010 03:17 PM
Copper	27	2.0		mg/Kg	1	7/29/2010 03:17 PM
Lead	8.2	1.0		mg/Kg	1	7/29/2010 03:17 PM
Molybdenum	ND	1.0		mg/Kg	1	7/29/2010 03:17 PM
Nickel	24	1.0		mg/Kg	1	7/29/2010 03:17 PM
Selenium	ND	1.0		mg/Kg	1	7/29/2010 03:17 PM
Silver	ND	1.0		mg/Kg	1	7/29/2010 03:17 PM
Thallium	ND	1.0		mg/Kg	1	7/29/2010 03:17 PM
Vanadium	35	1.0		mg/Kg	1	7/29/2010 03:17 PM
Zinc	63	1.0		mg/Kg	1	7/29/2010 03:17 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA1_100730A	QC Batch: 65920			PrepDate:	7/29/2010	Analyst: **IL**
Mercury	1.0	0.10		mg/Kg	1	7/30/2010 09:43 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X2-RW2 45
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-058A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100730A	QC Batch: 65934			PrepDate: 7/28/2010		Analyst: **HL**
DRO	1.4	1.0		mg/Kg	1	7/30/2010 09:28 AM
ORO	2.9	1.0		mg/Kg	1	7/30/2010 09:28 AM
Surr: p-Terphenyl	85.9	30-128		%REC	1	7/30/2010 09:28 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100728A	QC Batch: E10VS230			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/28/2010 11:43 AM
Surr: Bromofluorobenzene (FID)	106	56-137		%REC	1	7/28/2010 11:43 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100728A	QC Batch: E10VS230			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/28/2010 11:43 AM
Ethylbenzene	ND	5.0		µg/Kg	1	7/28/2010 11:43 AM
m,p-Xylene	ND	10		µg/Kg	1	7/28/2010 11:43 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/28/2010 11:43 AM
o-Xylene	ND	5.0		µg/Kg	1	7/28/2010 11:43 AM
Toluene	ND	5.0		µg/Kg	1	7/28/2010 11:43 AM
Surr: Bromofluorobenzene (PID)	103	64-116		%REC	1	7/28/2010 11:43 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X2-RW2 GW
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	GROUNDWATER
Lab ID:	112932-059A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B(M)			
RunID: GC19_100729A	QC Batch:	M10VW078		PrepDate:		Analyst: **CL**
GRO	ND	0.050		mg/L	1	7/29/2010 12:17 PM
Surr: Bromofluorobenzene (FID)	106	70-130		%REC	1	7/29/2010 12:17 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
			EPA 8021B			
RunID: GC19_100729A	QC Batch:	M10VW078		PrepDate:		Analyst: **CL**
Benzene	ND	0.50		µg/L	1	7/29/2010 12:17 PM
Ethylbenzene	ND	0.50		µg/L	1	7/29/2010 12:17 PM
m,p-Xylene	ND	1.0		µg/L	1	7/29/2010 12:17 PM
Methyl tert-butyl ether	ND	0.50		µg/L	1	7/29/2010 12:17 PM
o-Xylene	ND	0.50		µg/L	1	7/29/2010 12:17 PM
Toluene	ND	0.50		µg/L	1	7/29/2010 12:17 PM
Surr: Bromofluorobenzene (PID)	105	70-130		%REC	1	7/29/2010 12:17 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	X2-RW2 GW
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	GROUNDWATER
Lab ID:	112932-059B		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC16_100729D	QC Batch: 65983			PrepDate:	7/30/2010	Analyst: **CBR**
DRO	0.068	0.050		mg/L	1	7/30/2010 02:35 PM
ORO	ND	0.050		mg/L	1	7/30/2010 02:35 PM
Surr: p-Terphenyl	95.2	36-126		%REC	1	7/30/2010 02:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *03-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	Y2-RW2 18
Lab Order:	112932	**Collection Date:**	7/26/2010
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112932-066A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100730A	QC Batch: 65934			PrepDate: 7/28/2010		Analyst: **HL**
DRO	1.0	1.0		mg/Kg	1	7/30/2010 09:38 AM
ORO	2.1	1.0		mg/Kg	1	7/30/2010 09:38 AM
Surr: p-Terphenyl	74.3	30-128		%REC	1	7/30/2010 09:38 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_100728A	QC Batch: E10VS230			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/28/2010 12:27 PM
Surr: Bromofluorobenzene (FID)	110	56-137		%REC	1	7/28/2010 12:27 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_100728A	QC Batch: E10VS230			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/28/2010 12:27 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/28/2010 12:27 PM
m,p-Xylene	ND	10		µg/Kg	1	7/28/2010 12:27 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/28/2010 12:27 PM
o-Xylene	ND	5.0		µg/Kg	1	7/28/2010 12:27 PM
Toluene	ND	5.0		µg/Kg	1	7/28/2010 12:27 PM
Surr: Bromofluorobenzene (PID)	107	64-116		%REC	1	7/28/2010 12:27 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65921** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123768**
Client ID: **PBS** Batch ID: **65921** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986594**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.522	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	0.143	1.0									
Molybdenum	ND	1.0									
Nickel	0.047	1.0									
Selenium	ND	1.0									
Silver	0.048	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-65921** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123768**
Client ID: **LCSS** Batch ID: **65921** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986595**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	46.927	2.0	50.00	0.5217	92.8	80	120				
Arsenic	46.300	1.0	50.00	0	92.6	80	120				
Barium	49.859	1.0	50.00	0	99.7	80	120				
Beryllium	50.727	1.0	50.00	0	101	80	120				
Cadmium	47.272	1.0	50.00	0	94.5	80	120				
Chromium	48.546	1.0	50.00	0	97.1	80	120				
Cobalt	49.925	1.0	50.00	0	99.8	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65921** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123768**
Client ID: **LCSS** Batch ID: **65921** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986595**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	49.584	2.0	50.00	0	99.2	80	120				
Lead	48.056	1.0	50.00	0.1431	95.8	80	120				
Molybdenum	50.534	1.0	50.00	0	101	80	120				
Nickel	47.984	1.0	50.00	0.04657	95.9	80	120				
Selenium	44.843	1.0	50.00	0	89.7	80	120				
Silver	47.901	1.0	50.00	0.04838	95.7	80	120				
Thallium	46.685	1.0	50.00	0	93.4	80	120				
Vanadium	50.029	1.0	50.00	0	100	80	120				
Zinc	46.580	1.0	50.00	0	93.2	80	120				

Sample ID: **112932-010A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123768**
Client ID: **U1-R 6** Batch ID: **65921** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.757	2.0						0.4638	0	20	
Arsenic	5.698	1.0						5.540	2.80	20	
Barium	71.673	1.0						68.92	3.92	20	
Beryllium	0.252	1.0						0.2502	0	20	
Cadmium	0.225	1.0						0.2103	0	20	
Chromium	24.873	1.0						24.17	2.89	20	
Cobalt	8.878	1.0						8.376	5.83	20	
Copper	28.878	2.0						28.95	0.265	20	
Lead	6.526	1.0						6.544	0.275	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	27.655	1.0						27.43	0.804	20	
Selenium	ND	1.0						0	0	20	
Silver	0.148	1.0						0.1454	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	45.847	1.0						46.50	1.42	20	
Zinc	64.996	1.0						63.70	2.01	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112932-010A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123768**
Client ID: **U1-R 6** Batch ID: **65921** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986607**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.967	2.0	125.0	0.4638	71.6	32	105				
Arsenic	109.988	1.0	125.0	5.540	83.6	49	106				
Barium	183.234	1.0	125.0	68.92	91.5	31	133				
Beryllium	111.264	1.0	125.0	0.2502	88.8	56	106				
Cadmium	101.824	1.0	125.0	0.2103	81.3	51	103				
Chromium	134.868	1.0	125.0	24.17	88.6	45	114				
Cobalt	113.822	1.0	125.0	8.376	84.4	52	106				
Copper	144.728	2.0	125.0	28.95	92.6	54	125				
Lead	110.173	1.0	125.0	6.544	82.9	34	126				
Molybdenum	99.465	1.0	125.0	0	79.6	54	106				
Nickel	132.775	1.0	125.0	27.43	84.3	45	111				
Selenium	102.926	1.0	125.0	0	82.3	47	104				
Silver	117.559	1.0	125.0	0.1454	93.9	56	112				
Thallium	98.242	1.0	125.0	0	78.6	46	101				
Vanadium	162.785	1.0	125.0	46.50	93.0	54	114				
Zinc	171.291	1.0	125.0	63.70	86.1	28	125				

Sample ID: **112932-010A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123768**
Client ID: **U1-R 6** Batch ID: **65921** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	86.499	2.0	125.0	0.4638	68.8	32	105	89.97	3.93	20	
Arsenic	104.690	1.0	125.0	5.540	79.3	49	106	110.0	4.94	20	
Barium	178.238	1.0	125.0	68.92	87.5	31	133	183.2	2.76	20	
Beryllium	104.330	1.0	125.0	0.2502	83.3	56	106	111.3	6.43	20	
Cadmium	98.874	1.0	125.0	0.2103	78.9	51	103	101.8	2.94	20	
Chromium	131.845	1.0	125.0	24.17	86.1	45	114	134.9	2.27	20	
Cobalt	111.305	1.0	125.0	8.376	82.3	52	106	113.8	2.24	20	
Copper	140.334	2.0	125.0	28.95	89.1	54	125	144.7	3.08	20	
Lead	105.800	1.0	125.0	6.544	79.4	34	126	110.2	4.05	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112932-010A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123768**
Client ID: **U1-R 6** Batch ID: **65921** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	96.604	1.0	125.0	0	77.3	54	106	99.46	2.92	20	
Nickel	127.902	1.0	125.0	27.43	80.4	45	111	132.8	3.74	20	
Selenium	97.093	1.0	125.0	0	77.7	47	104	102.9	5.83	20	
Silver	115.061	1.0	125.0	0.1454	91.9	56	112	117.6	2.15	20	
Thallium	94.986	1.0	125.0	0	76.0	46	101	98.24	3.37	20	
Vanadium	157.765	1.0	125.0	46.50	89.0	54	114	162.8	3.13	20	
Zinc	164.416	1.0	125.0	63.70	80.6	28	125	171.3	4.10	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-65922** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123771**
Client ID: **PBS** Batch ID: **65922** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.481	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	0.063	1.0									
Cadmium	0.041	1.0									
Chromium	0.103	1.0									
Cobalt	0.049	1.0									
Copper	ND	2.0									
Lead	0.212	1.0									
Molybdenum	0.068	1.0									
Nickel	0.085	1.0									
Selenium	ND	1.0									
Silver	0.076	1.0									
Thallium	ND	1.0									
Vanadium	0.036	1.0									
Zinc	0.219	1.0									

Sample ID: **LCS-65922** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123771**
Client ID: **LCSS** Batch ID: **65922** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.000	2.0	50.00	0.4807	93.0	80	120				
Arsenic	46.967	1.0	50.00	0	93.9	80	120				
Barium	49.975	1.0	50.00	0	100	80	120				
Beryllium	49.382	1.0	50.00	0.06349	98.6	80	120				
Cadmium	48.072	1.0	50.00	0.04117	96.1	80	120				
Chromium	48.699	1.0	50.00	0.1033	97.2	80	120				
Cobalt	50.406	1.0	50.00	0.04910	101	80	120				
Copper	49.463	2.0	50.00	0	98.9	80	120				
Lead	48.728	1.0	50.00	0.2116	97.0	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-65922** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123771**
Client ID: **LCSS** Batch ID: **65922** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	50.406	1.0	50.00	0.06775	101	80	120				
Nickel	48.593	1.0	50.00	0.08549	97.0	80	120				
Selenium	45.529	1.0	50.00	0	91.1	80	120				
Silver	47.855	1.0	50.00	0.07598	95.6	80	120				
Thallium	46.985	1.0	50.00	0	94.0	80	120				
Vanadium	50.049	1.0	50.00	0.03636	100	80	120				
Zinc	47.599	1.0	50.00	0.2187	94.8	80	120				

Sample ID: **112942-006A-DUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123771**
Client ID: **ZZZZZZ** Batch ID: **65922** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986656**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	1.208	1.0						0.9677	22.1	20	R
Barium	25.934	1.0						25.96	0.0849	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.059	1.0						0.04613	0	20	
Chromium	5.047	1.0						5.308	5.04	20	
Cobalt	2.220	1.0						2.098	5.69	20	
Copper	7.293	2.0						7.425	1.80	20	
Lead	3.067	1.0						2.743	11.1	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	4.835	1.0						4.755	1.66	20	
Selenium	ND	1.0						0	0	20	
Silver	0.063	1.0						0.06157	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	8.662	1.0						8.439	2.61	20	
Zinc	13.904	1.0						14.62	5.02	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112942-006A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123771**
Client ID: **ZZZZZZ** Batch ID: **65922** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	105.858	2.0	125.0	0	84.7	32	105				
Arsenic	108.112	1.0	125.0	0.9677	85.7	49	106				
Barium	139.141	1.0	125.0	25.96	90.5	31	133				
Beryllium	108.987	1.0	125.0	0	87.2	56	106				
Cadmium	108.256	1.0	125.0	0.04613	86.6	51	103				
Chromium	119.701	1.0	125.0	5.308	91.5	45	114				
Cobalt	114.385	1.0	125.0	2.098	89.8	52	106				
Copper	122.113	2.0	125.0	7.425	91.8	54	125				
Lead	112.867	1.0	125.0	2.743	88.1	34	126				
Molybdenum	114.174	1.0	125.0	0	91.3	54	106				
Nickel	116.552	1.0	125.0	4.755	89.4	45	111				
Selenium	105.389	1.0	125.0	0	84.3	47	104				
Silver	118.384	1.0	125.0	0.06157	94.7	56	112				
Thallium	107.080	1.0	125.0	0	85.7	46	101				
Vanadium	124.653	1.0	125.0	8.439	93.0	54	114				
Zinc	121.288	1.0	125.0	14.62	85.3	28	125				

Sample ID: **112942-006A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123771**
Client ID: **ZZZZZZ** Batch ID: **65922** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	112.654	2.0	125.0	0	90.1	32	105	105.9	6.22	20	
Arsenic	113.880	1.0	125.0	0.9677	90.3	49	106	108.1	5.20	20	
Barium	142.335	1.0	125.0	25.96	93.1	31	133	139.1	2.27	20	
Beryllium	116.353	1.0	125.0	0	93.1	56	106	109.0	6.54	20	
Cadmium	112.091	1.0	125.0	0.04613	89.6	51	103	108.3	3.48	20	
Chromium	123.693	1.0	125.0	5.308	94.7	45	114	119.7	3.28	20	
Cobalt	118.845	1.0	125.0	2.098	93.4	52	106	114.4	3.82	20	
Copper	126.645	2.0	125.0	7.425	95.4	54	125	122.1	3.64	20	
Lead	118.573	1.0	125.0	2.743	92.7	34	126	112.9	4.93	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **112942-006A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123771**
Client ID: **ZZZZZZ** Batch ID: **65922** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **7/29/2010** SeqNo: **1986658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	118.918	1.0	125.0	0	95.1	54	106	114.2	4.07	20	
Nickel	121.466	1.0	125.0	4.755	93.4	45	111	116.6	4.13	20	
Selenium	112.211	1.0	125.0	0	89.8	47	104	105.4	6.27	20	
Silver	123.432	1.0	125.0	0.06157	98.7	56	112	118.4	4.18	20	
Thallium	113.296	1.0	125.0	0	90.6	46	101	107.1	5.64	20	
Vanadium	128.582	1.0	125.0	8.439	96.1	54	114	124.7	3.10	20	
Zinc	124.303	1.0	125.0	14.62	87.7	28	125	121.3	2.46	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65979A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123836**
Client ID: **PBS** Batch ID: **65979** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1987931**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.135	5.0									

Sample ID: **LCS-65979** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123836**
Client ID: **LCSS** Batch ID: **65979** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1987932**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276.635	5.0	250.0	0.1353	111	80	120				

Sample ID: **112932-016A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123836**
Client ID: **U2-R 6** Batch ID: **65979** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1987943**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.729	5.0						6.220	21.6	20	R

Sample ID: **112932-016A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123836**
Client ID: **U2-R 6** Batch ID: **65979** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1987944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	233.343	5.0	250.0	6.220	90.8	34	126				

Sample ID: **MB-65979B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123836**
Client ID: **PBS** Batch ID: **65979** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1987945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112932-026A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123836**
Client ID: **V2-R 2**	Batch ID: **65979**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1987956**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	23.920	5.0						20.66	14.6	20	

Sample ID: **112932-026A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123836**
Client ID: **V2-R 2**	Batch ID: **65979**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1987957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	233.976	5.0	250.0	20.66	85.3	34	126				

Sample ID: **112932-026A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123836**
Client ID: **V2-R 2**	Batch ID: **65979**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1987958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	235.032	5.0	250.0	20.66	85.7	34	126	234.0	0.450	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65980A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123839**
Client ID: **PBS** Batch ID: **65980** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65980** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123839**
Client ID: **LCSS** Batch ID: **65980** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988030**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.699	5.0	250.0	0	101	80	120				

Sample ID: **112932-036A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123839**
Client ID: **W2-RW2 0.5** Batch ID: **65980** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	187.902	5.0						151.4	21.5	20	R

Sample ID: **112932-036A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123839**
Client ID: **W2-RW2 0.5** Batch ID: **65980** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	333.319	5.0	250.0	151.4	72.8	34	126				

Sample ID: **MB-65980B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123839**
Client ID: **PBS** Batch ID: **65980** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112932-053A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123839**
Client ID: **X2-RW2 2**	Batch ID: **65980**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1988054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.368	5.0						9.574	13.4	20	

Sample ID: **112932-053A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123839**
Client ID: **X2-RW2 2**	Batch ID: **65980**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1988055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	154.293	5.0	250.0	9.574	57.9	34	126				

Sample ID: **112932-053A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123839**
Client ID: **X2-RW2 2**	Batch ID: **65980**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1988056**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	146.475	5.0	250.0	9.574	54.8	34	126	154.3	5.20	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-65981A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123853**
Client ID: **PBS** Batch ID: **65981** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-65981** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123853**
Client ID: **LCSS** Batch ID: **65981** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	264.995	5.0	250.0	0	106	80	120				

Sample ID: **112932-064A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123853**
Client ID: **Y3-RW2 4** Batch ID: **65981** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988328**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.466	5.0						8.286	13.3	20	

Sample ID: **112932-064A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123853**
Client ID: **Y3-RW2 4** Batch ID: **65981** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	143.960	5.0	250.0	8.286	54.3	34	126				

Sample ID: **MB-65981B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123853**
Client ID: **PBS** Batch ID: **65981** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/2/2010** SeqNo: **1988330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112932-066A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123853**
Client ID: **Y2-RW2 18**	Batch ID: **65981**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1988332**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.950	5.0						3.765	0	20	

Sample ID: **112932-066A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123853**
Client ID: **Y2-RW2 18**	Batch ID: **65981**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1988333**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	175.767	5.0	250.0	3.765	68.8	34	126				

Sample ID: **112932-066A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **7/30/2010**	RunNo: **123853**
Client ID: **Y2-RW2 18**	Batch ID: **65981**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/2/2010**	SeqNo: **1988334**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.449	5.0	250.0	3.765	81.1	34	126	175.8	16.1	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: **112932-018A-DUP** SampType: **DUP** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123810**
Client ID: **V1-R 0.5** Batch ID: **65985** TestNo: **EPA 7196A** Analysis Date: **7/30/2010** SeqNo: **1987379**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: **112932-018A-MS** SampType: **MS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123810**
Client ID: **V1-R 0.5** Batch ID: **65985** TestNo: **EPA 7196A** Analysis Date: **7/30/2010** SeqNo: **1987380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.160	0.10	5.000	0	103	85	115				

Sample ID: **112932-018A-MSD** SampType: **MSD** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123810**
Client ID: **V1-R 0.5** Batch ID: **65985** TestNo: **EPA 7196A** Analysis Date: **7/30/2010** SeqNo: **1987381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.100	0.10	5.000	0	102	85	115	5.160	1.17	20	

Sample ID: **LCS-65985** SampType: **LCS** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123810**
Client ID: **LCSS** Batch ID: **65985** TestNo: **EPA 7196A** Analysis Date: **7/30/2010** SeqNo: **1987382**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.010	0.10	5.000	0	100	85	115				

Sample ID: **MB-65985** SampType: **MBLK** TestCode: **7196_S** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123810**
Client ID: **PBS** Batch ID: **65985** TestNo: **EPA 7196A** Analysis Date: **7/30/2010** SeqNo: **1987383**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65919** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123792**
Client ID: **PBS** Batch ID: **65919** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1987089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65919** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123792**
Client ID: **LCSS** Batch ID: **65919** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1987090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.863	0.10	0.8300	0	104	80	120				

Sample ID: **112932-010A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123792**
Client ID: **U1-R 6** Batch ID: **65919** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1987091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.172	0.10	0.8300	0.3597	97.8	70	130				

Sample ID: **112932-010A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123792**
Client ID: **U1-R 6** Batch ID: **65919** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1987092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.156	0.10	0.8300	0.3597	95.9	70	130	1.172	1.39	20	

Sample ID: **112932-010A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123792**
Client ID: **U1-R 6** Batch ID: **65919** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1987094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.396	0.10						0.3597	9.57	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-65920** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123785**
Client ID: **PBS** Batch ID: **65920** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1986989**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-65920** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123785**
Client ID: **LCSS** Batch ID: **65920** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1986990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.810	0.10	0.8300	0	97.6	80	120				

Sample ID: **112942-006A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123785**
Client ID: **ZZZZZZ** Batch ID: **65920** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1986991**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.811	0.10	0.8300	0	97.8	70	130				

Sample ID: **112942-006A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123785**
Client ID: **ZZZZZZ** Batch ID: **65920** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1986992**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.804	0.10	0.8300	0	96.9	70	130	0.8113	0.887	20	

Sample ID: **112942-006A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **7/29/2010** RunNo: **123785**
Client ID: **ZZZZZZ** Batch ID: **65920** TestNo: **EPA 7471A** Analysis Date: **7/30/2010** SeqNo: **1986994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-65934** SampType: **MBLK** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/28/2010** RunNo: **123804**
Client ID: **PBS** Batch ID: **65934** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/30/2010** SeqNo: **1987278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.706		2.670		101	30	128				

Sample ID: **LCS-65934** SampType: **LCS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/28/2010** RunNo: **123804**
Client ID: **LCSS** Batch ID: **65934** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/30/2010** SeqNo: **1987279**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	21.775	1.0	33.00	0	66.0	35	118				
Surr: p-Terphenyl	2.339		2.670		87.6	30	128				

Sample ID: **112932-058AMS** SampType: **MS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/28/2010** RunNo: **123804**
Client ID: **X2-RW2 45** Batch ID: **65934** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/30/2010** SeqNo: **1987280**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	17.165	1.0	33.00	1.381	47.8	25	129				
Surr: p-Terphenyl	1.943		2.670		72.8	30	128				

Sample ID: **112932-058AMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/28/2010** RunNo: **123804**
Client ID: **X2-RW2 45** Batch ID: **65934** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/30/2010** SeqNo: **1987281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	16.417	1.0	33.00	1.381	45.6	25	129	17.17	4.46	20	
Surr: p-Terphenyl	1.967		2.670		73.7	30	128		0	0	

Sample ID: **112932-066ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/28/2010** RunNo: **123804**
Client ID: **Y2-RW2 18** Batch ID: **65934** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/30/2010** SeqNo: **1987282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **112932-066ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/28/2010** RunNo: **123804**
Client ID: **Y2-RW2 18** Batch ID: **65934** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **7/30/2010** SeqNo: **1987282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0						1.043	0	20	
ORO	2.134	1.0						2.104	1.42	20	
Surr: p-Terphenyl	2.006		2.670		75.1	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E100728LCS1** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123784**
Client ID: **LCSS** Batch ID: **E10VS230** TestNo: **EPA 8015B(M** Analysis Date: **7/28/2010** SeqNo: **1987034**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.258	1.0	5.000	0	105	70	130				
Surr: Bromofluorobenzene (FID)	98.181		100.0		98.2	56	137				

Sample ID: **E100728MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123784**
Client ID: **PBS** Batch ID: **E10VS230** TestNo: **EPA 8015B(M** Analysis Date: **7/28/2010** SeqNo: **1987036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	90.224		100.0		90.2	56	137				

Sample ID: **112932-058ADUP** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123784**
Client ID: **X2-RW2 45** Batch ID: **E10VS230** TestNo: **EPA 8015B(M** Analysis Date: **7/28/2010** SeqNo: **1987039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	102.313		100.0		102	56	137		0	0	

Sample ID: **112928-047AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123784**
Client ID: **ZZZZZZ** Batch ID: **E10VS230** TestNo: **EPA 8015B(M** Analysis Date: **7/28/2010** SeqNo: **1987043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.865	1.0	5.000	0	97.3	40	121				
Surr: Bromofluorobenzene (FID)	114.013		100.0		114	56	137				

Sample ID: **112928-047AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123784**
Client ID: **ZZZZZZ** Batch ID: **E10VS230** TestNo: **EPA 8015B(M** Analysis Date: **7/28/2010** SeqNo: **1987044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.903	1.0	5.000	0	98.1	40	121	4.865	0.778	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **112928-047AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123784**
Client ID: **ZZZZZZ** Batch ID: **E10VS230** TestNo: **EPA 8015B(M** Analysis Date: **7/28/2010** SeqNo: **1987044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	114.614		100.0		115	56	137		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM_LL

Sample ID: **MB-65983** SampType: **MBLK** TestCode: **8015_W_DM_** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123829**
Client ID: **PBW** Batch ID: **65983** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **7/30/2010** SeqNo: **1987741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
ORO	ND	0.050									
Surr: p-Terphenyl	0.064		0.08000		79.7	36	126				

Sample ID: **LCS-65983** SampType: **LCS** TestCode: **8015_W_DM_** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123829**
Client ID: **LCSW** Batch ID: **65983** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **7/30/2010** SeqNo: **1987742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.622	0.050	1.000	0	62.2	52	128				
Surr: p-Terphenyl	0.063		0.08000		78.6	36	126				

Sample ID: **MB-65983MS** SampType: **MS** TestCode: **8015_W_DM_** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123829**
Client ID: **ZZZZZZ** Batch ID: **65983** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **7/30/2010** SeqNo: **1987743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.701	0.050	1.000	0	70.1	52	128				
Surr: p-Terphenyl	0.073		0.08000		90.9	36	126				

Sample ID: **MB-65983MSD** SampType: **MSD** TestCode: **8015_W_DM_** Units: **mg/L** Prep Date: **7/30/2010** RunNo: **123829**
Client ID: **ZZZZZZ** Batch ID: **65983** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **7/30/2010** SeqNo: **1987744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.651	0.050	1.000	0	65.1	52	128	0.7008	7.43	20	
Surr: p-Terphenyl	0.065		0.08000		81.3	36	126		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: **M100729LCS2** SampType: **LCS** TestCode: **8015_W_GP** Units: **mg/L** Prep Date: RunNo: **123795**
Client ID: **LCSW** Batch ID: **M10VW078** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.033	0.050	1.000	0	103	70	130				
Surr: Bromofluorobenzene (FID)	107.154		100.0		107	70	130				

Sample ID: **M100729MB1MS** SampType: **MS** TestCode: **8015_W_GP** Units: **mg/L** Prep Date: RunNo: **123795**
Client ID: **ZZZZZZ** Batch ID: **M10VW078** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987141**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.093	0.050	1.000	0	109	70	130				
Surr: Bromofluorobenzene (FID)	109.788		100.0		110	70	130				

Sample ID: **M100729MB1MSD** SampType: **MSD** TestCode: **8015_W_GP** Units: **mg/L** Prep Date: RunNo: **123795**
Client ID: **ZZZZZZ** Batch ID: **M10VW078** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987142**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.090	0.050	1.000	0	109	70	130	1.093	0.275	20	
Surr: Bromofluorobenzene (FID)	109.552		100.0		110	70	130		0	0	

Sample ID: **M100729MB1** SampType: **MBLK** TestCode: **8015_W_GP** Units: **mg/L** Prep Date: RunNo: **123795**
Client ID: **PBW** Batch ID: **M10VW078** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987143**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	102.436		100.0		102	70	130				

Sample ID: **112932-044ADUP** SampType: **DUP** TestCode: **8015_W_GP** Units: **mg/L** Prep Date: RunNo: **123795**
Client ID: **TRIP BLANK** Batch ID: **M10VW078** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: **112932-044ADUP** SampType: **DUP** TestCode: **8015_W_GP** Units: **mg/L** Prep Date: RunNo: **123795**
Client ID: **TRIP BLANK** Batch ID: **M10VW078** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	104.717		100.0		105	70	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **E100728LCS2** SampType: **LCS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123784**
Client ID: **LCSS** Batch ID: **E10VS230** TestNo: **EPA 8021B** Analysis Date: **7/28/2010** SeqNo: **1986871**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	93.659	5.0	100.0	0	93.7	70	130				
Ethylbenzene	94.122	5.0	100.0	0	94.1	70	130				
m,p-Xylene	190.395	10	200.0	0	95.2	70	130				
Methyl tert-butyl ether	94.883	5.0	100.0	0	94.9	70	130				
o-Xylene	96.945	5.0	100.0	0	96.9	70	130				
Toluene	95.691	5.0	100.0	0	95.7	70	130				
Surr: Bromofluorobenzene (PID)	95.932		100.0		95.9	64	116				

Sample ID: **E100728MB1** SampType: **MBLK** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123784**
Client ID: **PBS** Batch ID: **E10VS230** TestNo: **EPA 8021B** Analysis Date: **7/28/2010** SeqNo: **1986872**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	88.525		100.0		88.5	64	116				

Sample ID: **112932-058ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123784**
Client ID: **X2-RW2 45** Batch ID: **E10VS230** TestNo: **EPA 8021B** Analysis Date: **7/28/2010** SeqNo: **1986875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **112932-058ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123784**
Client ID: **X2-RW2 45** Batch ID: **E10VS230** TestNo: **EPA 8021B** Analysis Date: **7/28/2010** SeqNo: **1986875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	101.018		100.0		101	64	116		0	0	

Sample ID: **112928-047AMS** SampType: **MS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123784**
Client ID: **ZZZZZZ** Batch ID: **E10VS230** TestNo: **EPA 8021B** Analysis Date: **7/28/2010** SeqNo: **1986879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.137	5.0	22.15	0	204	41	112				S
Ethylbenzene	48.647	5.0	42.30	0	115	26	100				S
m,p-Xylene	182.818	10	180.2	0	101	32	106				
Methyl tert-butyl ether	466.309	5.0	578.9	0	80.6	44	124				
o-Xylene	69.803	5.0	64.80	0	108	30	100				S
Toluene	177.639	5.0	172.6	0	103	38	112				
Surr: Bromofluorobenzene (PID)	104.468		100.0		104	64	116				

Sample ID: **112928-047AMSD** SampType: **MSD** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123784**
Client ID: **ZZZZZZ** Batch ID: **E10VS230** TestNo: **EPA 8021B** Analysis Date: **7/28/2010** SeqNo: **1986880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.220	5.0	22.15	0	204	41	112	45.14	0.184	20	S
Ethylbenzene	48.861	5.0	42.30	0	116	26	100	48.65	0.439	20	S
m,p-Xylene	183.206	10	180.2	0	102	32	106	182.8	0.212	20	
Methyl tert-butyl ether	470.596	5.0	578.9	0	81.3	44	124	466.3	0.915	20	
o-Xylene	70.421	5.0	64.80	0	109	30	100	69.80	0.881	20	S
Toluene	178.760	5.0	172.6	0	104	38	112	177.6	0.629	20	
Surr: Bromofluorobenzene (PID)	104.940		100.0		105	64	116		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 112932
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEX

Sample ID: **M100729LCS1** SampType: **LCS** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **123795**
Client ID: **LCSW** Batch ID: **M10VW078** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1987151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	105.184	0.50	100.0	0	105	70	130				
Toluene	109.475	0.50	100.0	0	109	70	130				
Ethylbenzene	107.669	0.50	100.0	0	108	70	130				
m,p-Xylene	220.898	1.0	200.0	0	110	70	130				
o-Xylene	110.307	0.50	100.0	0	110	70	130				
Methyl tert-butyl ether	99.599	0.50	100.0	0	99.6	70	130				
Surr: Bromofluorobenzene (PID)	107.508		100.0		108	70	130				

Sample ID: **M100729LCS1D** SampType: **LCSD** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **123795**
Client ID: **LCSS02** Batch ID: **M10VW078** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1987153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	102.455	0.50	100.0	0	102	70	130	105.2	2.63	20	
Toluene	106.356	0.50	100.0	0	106	70	130	109.5	2.89	20	
Ethylbenzene	104.058	0.50	100.0	0	104	70	130	107.7	3.41	20	
m,p-Xylene	213.929	1.0	200.0	0	107	70	130	220.9	3.21	20	
o-Xylene	108.051	0.50	100.0	0	108	70	130	110.3	2.07	20	
Methyl tert-butyl ether	100.339	0.50	100.0	0	100	70	130	99.60	0.740	20	
Surr: Bromofluorobenzene (PID)	107.871		100.0		108	70	130		0	0	

Sample ID: **M100729MB1** SampType: **MBLK** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **123795**
Client ID: **PBW** Batch ID: **M10VW078** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1987156**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
o-Xylene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEX

Sample ID: **M100729MB1** SampType: **MBLK** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **123795**
Client ID: **PBW** Batch ID: **M10VW078** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1987156**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (PID)	103.022		100.0		103	70	130				

Sample ID: **112932-044ADUP** SampType: **DUP** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **123795**
Client ID: **TRIP BLANK** Batch ID: **M10VW078** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1987158**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50						0	0	20	
Toluene	ND	0.50						0	0	20	
Ethylbenzene	ND	0.50						0	0	20	
m,p-Xylene	ND	1.0						0	0	20	
o-Xylene	ND	0.50						0	0	20	
Methyl tert-butyl ether	ND	0.50						0	0	20	
Xylenes, Total	0.192	1.0						0.1210	0	20	
Surr: Bromofluorobenzene (PID)	104.556		100.0		105	70	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112932
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **112932-065ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **123790**
Client ID: **Y3-RW2 6** Batch ID: **R123790** TestNo: **EPA 9045C** Analysis Date: **7/29/2010** SeqNo: **1987070**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.470	0.10						7.720	3.29	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CHAIN OF CUSTODY RECORD

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P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/27/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client / ATL / FedEx / OnTrac / GSO / Other:

7-4

Sample Condition Upon Receipt:
1. CHILLED (Y) N
2. HEADSPACE (VOA) Y (N)
3. CONTAINER INTACT (Y) N
4. SEALED Y (N)
5. # OF SPLS MATCH COC (Y) N
6. PRESERVED (Y) (N)

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: D. WALP (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	7/26/10	1600	GSO	7/26/10	1600
[signature]			Maig [signature]	7/27/10	1004

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: D. WALP 7/26/10
Print Name Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:
10% pH (RANDOM - LAB)
RETURN ALL COOLER, PLEASE
CALTRANS QA

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type		
	~~S1-R (0.5, 1, 2, 3, 4, 6)~~						X								X											
	~~S2-R (0.5, 1, 2, 3, 4, 6)~~						X								X											
	~~S3-R (0.5, 1, 2, 3, 4, 6)~~						X								X											
112932 - 1/2	T1-R (0.5, 1, ~~2, 3, 4, 6~~)	7/26/2010	VAR				X								X							E	2	T	P	C
- 3/4	T2-R (0.5, 1, ~~2, 3, 4, 6~~)		VAR				X								X											
- 5/10	U1-R (0.5, 1, 2, 3, 4, 6)									X					X								6			
- 11/16	U2-R (0.5, 1, 2, 3, 4, 6)						X								X											
- 17	U3-R (0.5, [redacted])		0802				X								X								1	Bg		

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
[signature]	7/26/10	1600	[signature]	7/26/10	1600
			[signature]	7/27/10	1004

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: SEE Pg 1
Print Name: SEE Pg 1 Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments: SEE Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	TPH g				SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	WATER	TAT	#	Type			
112532-18/23	V1-R (0.5, 1, 2, 3, 4, 6)	7/26/10	VAR				X												X								E	6	T	P	C	
	V1-R (0.5)									X									X									1				
-24/29	V2-R (0.5, 1, 2, 3, 4, 6)						X												X									6				
-30/35	W1-RW2 (0.5, 1, 2, 3, 4, 6)		VAR				X												X													
-36/41	W2-RW2 (0.5, 1, 2, 3, 4, 6)						X												X													
-42	W3-RW2 (0.5, ~~1, 2, 3, 4, 6, 40~~)						X												X									1	Bg			
-43	W2-RW2 (40)		VAR				X	X			X								X									1	T	P		NO GW
	~~W2-RW2 (40)~~							X											X	X												
-44	TRIP BLANK	7/26/10	0417					X				X														X	E	2	V	G	H/C	

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client / ATL; FedEx / OnTrac; GSO; Other:

Sample Condition Upon Receipt:
1. CHILLED Y N
2. HEADSPACE (VOA) Y N
3. CONTAINER INTACT Y N
4. SEALED Y N
5. # OF SPLS MATCH COC Y N
6. PRESERVED Y N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: (Signature) WLC

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
WLC	7/26/10	1600	GSO	7/26/10	1600
			Mayo	7/27/10	1004

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Print Name: STE Pg 1 Date: Signature:

Send Report To: Attn: Lauren Vigliotti; Co: Geocon Consultants, Inc.; Addr: 6671 Brisa Street; City: Livermore State: CA Zip: 94550

Bill To: Attn: Rick Day; Co: Geocon Consultants, Inc.; Addr: 6671 Brisa Street; City: Livermore State: CA Zip: 94550

Special Instructions/Comments: STE Pg 1

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type			
112932-45/50	X1-RW2 (0.5, 1, 2, 3, 4, 6)	7/26/10	VAR							X					X							E	6	T	P	C	
-51/52	X2-RW2 (0.5, 1, 2, 3, 4, 6)	↓	↓				X								X								↓		↓		
-57	X3-RW2 (0.5, ~~1, 2, 3, 4, 6~~)	↓	0911				X								X								1	Bg	P		
-58	X~~2~~-RW2 (45)	7/26/10	VAR				X	X			X				X		~~X~~						1	T	P	↓	
-59	X~~2~~-RW2 ~~(45)~~ GW	↓	↓					X			X			~~X~~			X						4	4/5	G	4/c	GW -45'
	~~Y1-RW2 (0.5, 1, 2, 3, 4, 6)~~									X					X												
	~~Y2-RW2 (0.5, 1, 2, 3, 4, 6)~~						X								X												
-60/65	Y3-RW2 (0.5, 1, 2, 3, 4, 6, ~~28~~)	7/26/10	VAR				X								X								6	Bg	P	C	
-66	Y~~2~~-RW2 (~~28~~) 18	↓	↓				X	X			X				X		~~X~~						1	T	P	C	NO GW
	~~Y2-RW2 (28)~~							X			X				X		X										

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

August 11, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112932

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 27, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112932

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 112932-005A, 112932-006A, 112932-011A, 112932-012A, 112932-018A, 112932-019A, 112932-024A, 112932-030A, 112932-036A, 112932-045A and 112932-060A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/11/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-005A	U1-R 0.5	10	mg/L	66111	0.50	2	7/26/2010	8/9/2010
112932-006A	U1-R 1	34	mg/L	66111	2.5	10	7/26/2010	8/9/2010
112932-008A	U1-R 3	0.65	mg/L	66111	0.25	1	7/26/2010	8/9/2010
112932-011A	U2-R 0.5	16	mg/L	66111	0.50	2	7/26/2010	8/9/2010
112932-012A	U2-R 1	17	mg/L	66111	0.50	2	7/26/2010	8/9/2010
112932-013A	U2-R 2	8.2	mg/L	66111	0.25	1	7/26/2010	8/9/2010
112932-018A	V1-R 0.5	16	mg/L	66111	0.50	2	7/26/2010	8/9/2010
112932-019A	V1-R 1	13	mg/L	66111	0.50	2	7/26/2010	8/9/2010
112932-020A	V1-R 2	4.6	mg/L	66111	0.25	1	7/26/2010	8/9/2010
112932-024A	V2-R 0.5	25	mg/L	66111	2.5	10	7/26/2010	8/9/2010
112932-025A	V2-R 1	4.9	mg/L	66111	0.25	1	7/26/2010	8/9/2010
112932-027A	V2-R 3	8.5	mg/L	66111	0.25	1	7/26/2010	8/9/2010
112932-030A	W1-RW2 0.5	29	mg/L	66111	2.5	10	7/26/2010	8/9/2010
112932-036A	W2-RW2 0.5	32	mg/L	66111	2.5	10	7/26/2010	8/9/2010
112932-042A	W3-RW2 0.5	2.7	mg/L	66111	0.25	1	7/26/2010	8/9/2010
112932-045A	X1-RW2 0.5	10	mg/L	66111	0.50	2	7/26/2010	8/9/2010
112932-047A	X1-RW2 2	3.8	mg/L	66111	0.25	1	7/26/2010	8/9/2010
112932-051A	X2-RW2 0.5	4.0	mg/L	66111	0.25	1	7/26/2010	8/9/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/11/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-060A	Y3-RW2 0.5	11	mg/L	66111	0.50	2	7/26/2010	8/9/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/11/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (TCLP)
EPA 1311/ 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-017A	U3-R 0.5	0.29	mg/L	66109	0.25	1	7/26/2010	8/6/2010

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-66111A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124040**
Client ID: **PBS** Batch ID: **66111** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/9/2010** SeqNo: **1992326**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66111** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124040**
Client ID: **LCSS** Batch ID: **66111** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/9/2010** SeqNo: **1992327**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.154	0.25	5.000	0	103	80	120				

Sample ID: **112932-020A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124040**
Client ID: **V1-R 2** Batch ID: **66111** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/9/2010** SeqNo: **1992337**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.617	0.25						4.597	0.424	20	

Sample ID: **112932-020A-MS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124040**
Client ID: **V1-R 2** Batch ID: **66111** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/9/2010** SeqNo: **1992338**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.623	0.50	5.000	4.597	101	80	120				

Sample ID: **MB-66111B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124040**
Client ID: **PBS** Batch ID: **66111** TestNo: **WET/ EPA 74 WET** Analysis Date: **8/9/2010** SeqNo: **1992339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **112932-060A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **8/6/2010**	RunNo: **124040**
Client ID: **Y3-RW2 0.5**	Batch ID: **66111**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **8/9/2010**	SeqNo: **1992350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.375	0.50						11.43	0.500	20	

Sample ID: **112932-060A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **8/6/2010**	RunNo: **124040**
Client ID: **Y3-RW2 0.5**	Batch ID: **66111**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **8/9/2010**	SeqNo: **1992351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.713	0.50	5.000	11.43	85.6	80	120				

Sample ID: **112932-060A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **8/6/2010**	RunNo: **124040**
Client ID: **Y3-RW2 0.5**	Batch ID: **66111**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **8/9/2010**	SeqNo: **1992352**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.105	0.50	5.000	11.43	93.5	80	120	15.71	2.47	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-66109A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124004**
Client ID: **PBS** Batch ID: **66109** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/6/2010** SeqNo: **1991722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-66094A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124004**
Client ID: **PBS** Batch ID: **66109** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/6/2010** SeqNo: **1991723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66109** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124004**
Client ID: **LCSS** Batch ID: **66109** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/6/2010** SeqNo: **1991724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.886	0.25	1.000	0	88.6	80	120				

Sample ID: **113028-017A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124004**
Client ID: **ZZZZZZ** Batch ID: **66109** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/6/2010** SeqNo: **1991731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **113028-017A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124004**
Client ID: **ZZZZZZ** Batch ID: **66109** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/6/2010** SeqNo: **1991732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.782	0.25	2.500	0	111	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **113028-017A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **8/6/2010** RunNo: **124004**
Client ID: **ZZZZZZ** Batch ID: **66109** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **8/6/2010** SeqNo: **1991733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.794	0.25	2.500	0	112	70	130	2.782	0.415	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Wednesday, August 04, 2010 2:23 PM
To: Diane Galvan
Cc: day@geoconinc.com; 'David Watts'; merritt@geoconinc.com
Subject: RE: FW: Results/EDD - Alameda County Eastbound I-580 Truck Climbing Lane Project (112932)

Hi Diane. Please run the following samples under standard TAT. Thanks!

WO112932:
Pb WET:
U1-R 0.5
U1-R 1
U1-R 3
U2-R 0.5
U2-R 1
U2-R 2
V1-R 0.5
V1-R 1
V1-R 2
V2-R 0.5
V2-R 1
V2-R 3
W1-RW2 0.5
W2-RW2 0.5
W3-RW2 0.5
X1-RW2 0.5
X1-RW2 2
X2-RW2 0.5
Y3-RW2 0.5

Pb TCLP:
U3-R 0.5

****

Lauren Vigliotti
Senior Staff Geologist
Please visit our new website at http://www.geoconinc.com
Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 321-3291

GEOTECHNICAL ENVIRONMENTAL MATERIALS

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August 19, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112932

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 27, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: 8/19/2010

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112932
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/27/2010 10:04:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112932-005A	U1-R 0.5	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-006A	U1-R 1	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-011A	U2-R 0.5	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-012A	U2-R 1	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-013A	U2-R 2	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-018A	V1-R 0.5	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-019A	V1-R 1	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-024A	V2-R 0.5	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-027A	V2-R 3	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-030A	W1-RW2 0.5	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-036A	W2-RW2 0.5	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-045A	X1-RW2 0.5	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010
112932-060A	Y3-RW2 0.5	ND	mg/L	66263	0.25	1	7/26/2010	8/16/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-66263A** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/13/2010** RunNo: **124222**
Client ID: **PBS** Batch ID: **66263** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-66263** SampType: **LCS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/13/2010** RunNo: **124222**
Client ID: **LCSS** Batch ID: **66263** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.161	0.25	5.000	0	103	80	120				

Sample ID: **112932-030A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/13/2010** RunNo: **124222**
Client ID: **W1-RW2 0.5** Batch ID: **66263** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112932-030A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/13/2010** RunNo: **124222**
Client ID: **W1-RW2 0.5** Batch ID: **66263** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.175	0.25	5.000	0	103	70	130				

Sample ID: **MB-66263B** SampType: **MBLK** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/13/2010** RunNo: **124222**
Client ID: **PBS** Batch ID: **66263** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995769**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112932
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **112932-060A-DUP** SampType: **DUP** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/13/2010** RunNo: **124222**
Client ID: **Y3-RW2 0.5** Batch ID: **66263** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **112932-060A-MS** SampType: **MS** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/13/2010** RunNo: **124222**
Client ID: **Y3-RW2 0.5** Batch ID: **66263** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.158	0.25	5.000	0	103	70	130				

Sample ID: **112932-060A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **8/13/2010** RunNo: **124222**
Client ID: **Y3-RW2 0.5** Batch ID: **66263** TestNo: **WET DI/ EPA WET** Analysis Date: **8/16/2010** SeqNo: **1995775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.175	0.25	5.000	0	104	70	130	5.158	0.328	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Diane Galvan

From: Lauren Vigliotti [vigliotti@geoconinc.com]
Sent: Thursday, August 12, 2010 10:14 AM
To: Diane Galvan
Subject: FW: TO-47 Additional Results/EDD - (WO 112932add)

Hi Diane:

For WO 112932, please run Pb DI-WET for the Following, standard TAT

U1-R 0.5
U1-R 1
U2-R 0.5
U2-R 1
U2-R 2
V1-R 0.5
V1-R 1
V2-R 0.5
V2-R 3
W1-RW2 0.5
W2-RW2 0.5
X1-RW2 0.5
Y3-RW2 0.5

Thank you,

****
Lauren Vigliotti
Senior Staff Geologist

Please visit our new website at http://www.geoconinc.com Geocon Consultants, Inc
6671 Brisa Street
Livermore, CA 94550
Tel (925) 371-5900
Cell (925) 321-3291
(Embedded image moved to file: pic09534.jpg)GEOCON METALLIC-SMALLER

GEOTECHNICAL ENVIRONMENTAL MATERIALS

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Carson City Portland

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August 04, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112954

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 28, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112954

CASE NARRATIVE

Analytical Comments for Method 8015 (DRO/ORO)

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112952-001AMS and 112952-001AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 112952-001ADUP and 112952-001AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 8021

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112952-001AMS, 112952-001AMSD, 112954-005AMS and 112954-005AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/4/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112954
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/28/2010 8:35:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112954-001A	BK3-RW4 (18)	8.5	mg/Kg	66000	5.0	1	7/27/2010	8/3/2010
112954-002A	BL2-RW4 (15)	6.4	mg/Kg	66000	5.0	1	7/27/2010	8/3/2010
112954-003A	BE3-RW3 (14)	8.6	mg/Kg	66000	5.0	1	7/27/2010	8/3/2010
112954-004A	BG3-RW3 (14)	8.9	mg/Kg	66000	5.0	1	7/27/2010	8/3/2010
112954-005A	BC3-RW3 (20)	11	mg/Kg	66000	5.0	1	7/27/2010	8/3/2010
112954-006A	BB2-RW3 (16)	5.1	mg/Kg	66000	5.0	1	7/27/2010	8/3/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BK3-RW4 (18)
Lab Order:	112954	**Collection Date:**	7/27/2010 10:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112954-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100802D	QC Batch: 65987			PrepDate: 7/30/2010		Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	8/3/2010 05:15 AM
ORO	6.1	1.0		mg/Kg	1	8/3/2010 05:15 AM
Surr: p-Terphenyl	86.6	30-128		%REC	1	8/3/2010 05:15 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 10:42 AM
Surr: Bromofluorobenzene (FID)	105	56-137		%REC	1	7/29/2010 10:42 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 10:42 AM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 10:42 AM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 10:42 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 10:42 AM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 10:42 AM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 10:42 AM
Surr: Bromofluorobenzene (PID)	104	64-116		%REC	1	7/29/2010 10:42 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BL2-RW4 (15)
Lab Order:	112954	**Collection Date:**	7/27/2010 11:20:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112954-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100802D	QC Batch: 65987			PrepDate: 7/30/2010		Analyst: **CBR**
DRO	1.4	1.0		mg/Kg	1	8/3/2010 05:24 AM
ORO	7.8	1.0		mg/Kg	1	8/3/2010 05:24 AM
Surr: p-Terphenyl	80.2	30-128		%REC	1	8/3/2010 05:24 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 10:57 AM
Surr: Bromofluorobenzene (FID)	106	56-137		%REC	1	7/29/2010 10:57 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 10:57 AM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 10:57 AM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 10:57 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 10:57 AM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 10:57 AM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 10:57 AM
Surr: Bromofluorobenzene (PID)	104	64-116		%REC	1	7/29/2010 10:57 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BE3-RW3 (14)
Lab Order:	112954	**Collection Date:**	7/27/2010 9:20:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112954-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100802D	QC Batch: 65987			PrepDate: 7/30/2010		Analyst: **CBR**
DRO	2.6	1.0		mg/Kg	1	8/3/2010 05:34 AM
ORO	15	1.0		mg/Kg	1	8/3/2010 05:34 AM
Surr: p-Terphenyl	99.8	30-128		%REC	1	8/3/2010 05:34 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 11:11 AM
Surr: Bromofluorobenzene (FID)	98.4	56-137		%REC	1	7/29/2010 11:11 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 11:11 AM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 11:11 AM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 11:11 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 11:11 AM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 11:11 AM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 11:11 AM
Surr: Bromofluorobenzene (PID)	98.1	64-116		%REC	1	7/29/2010 11:11 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BG3-RW3 (14)
Lab Order:	112954	**Collection Date:**	7/27/2010 10:00:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112954-004A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100802D	QC Batch: 65987			PrepDate: 7/30/2010		Analyst: **CBR**
DRO	5.9	1.0		mg/Kg	1	8/3/2010 05:52 AM
ORO	28	1.0		mg/Kg	1	8/3/2010 05:52 AM
Surr: p-Terphenyl	102	30-128		%REC	1	8/3/2010 05:52 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 11:26 AM
Surr: Bromofluorobenzene (FID)	102	56-137		%REC	1	7/29/2010 11:26 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 11:26 AM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 11:26 AM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 11:26 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 11:26 AM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 11:26 AM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 11:26 AM
Surr: Bromofluorobenzene (PID)	101	64-116		%REC	1	7/29/2010 11:26 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *04-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BC3-RW3 (20)
Lab Order:	112954	**Collection Date:**	7/27/2010 8:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112954-005A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100802D	QC Batch: 65987			PrepDate: 7/30/2010		Analyst: **CBR**
DRO	5.4	1.0		mg/Kg	1	8/3/2010 05:43 AM
ORO	29	1.0		mg/Kg	1	8/3/2010 05:43 AM
Surr: p-Terphenyl	105	30-128		%REC	1	8/3/2010 05:43 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 11:41 AM
Surr: Bromofluorobenzene (FID)	59.2	56-137		%REC	1	7/29/2010 11:41 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100802A	QC Batch: E10VS235			PrepDate:		Analyst: **CL**
Benzene	ND	5.0		µg/Kg	1	8/2/2010 02:40 PM
Ethylbenzene	ND	5.0		µg/Kg	1	8/2/2010 02:40 PM
m,p-Xylene	ND	10		µg/Kg	1	8/2/2010 02:40 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	8/2/2010 02:40 PM
o-Xylene	ND	5.0		µg/Kg	1	8/2/2010 02:40 PM
Toluene	ND	5.0		µg/Kg	1	8/2/2010 02:40 PM
Surr: Bromofluorobenzene (PID)	106	64-116		%REC	1	8/2/2010 02:40 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BB2-RW3 (16)
Lab Order:	112954	**Collection Date:**	7/27/2010 7:50:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112954-006A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100802D	QC Batch: 65987			PrepDate: 7/30/2010		Analyst: **CBR**
DRO	29	1.0		mg/Kg	1	8/3/2010 06:01 AM
ORO	73	1.0		mg/Kg	1	8/3/2010 06:01 AM
Surr: p-Terphenyl	80.0	30-128		%REC	1	8/3/2010 06:01 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 11:56 AM
Surr: Bromofluorobenzene (FID)	103	56-137		%REC	1	7/29/2010 11:56 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729A	QC Batch: E10VS232			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 11:56 AM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 11:56 AM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 11:56 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 11:56 AM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 11:56 AM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 11:56 AM
Surr: Bromofluorobenzene (PID)	101	64-116		%REC	1	7/29/2010 11:56 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-66000A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **PBS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-66000** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **LCSS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	287.537	5.0	250.0	0	115	80	120				

Sample ID: **112974-004A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **ZZZZZZ** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.614	5.0						8.001	4.96	20	

Sample ID: **112974-004A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **ZZZZZZ** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.880	5.0	250.0	8.001	66.4	34	126				

Sample ID: **MB-66000B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **PBS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112987-004A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **8/3/2010**	RunNo: **123881**
Client ID: **ZZZZZZ**	Batch ID: **66000**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/3/2010**	SeqNo: **1989409**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.951	5.0						6.770	12.9	20	

Sample ID: **112987-004A--MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **8/3/2010**	RunNo: **123881**
Client ID: **ZZZZZZ**	Batch ID: **66000**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/3/2010**	SeqNo: **1989410**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	190.972	5.0	250.0	6.770	73.7	34	126				

Sample ID: **112987-004A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **8/3/2010**	RunNo: **123881**
Client ID: **ZZZZZZ**	Batch ID: **66000**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/3/2010**	SeqNo: **1989411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.148	5.0	250.0	6.770	79.8	34	126	191.0	7.64	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **112952-001ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123893**
Client ID: **ZZZZZZ** Batch ID: **65987** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/3/2010** SeqNo: **1989607**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	63.870	10						21.28	100	20	R
ORO	506.983	10						220.4	78.8	20	R
Surr: p-Terphenyl	0		2.670		0	30	128		0	0	SDO

Sample ID: **112952-001AMS** SampType: **MS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123893**
Client ID: **ZZZZZZ** Batch ID: **65987** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/3/2010** SeqNo: **1989608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	68.220	10	33.00	21.28	142	25	129				S
Surr: p-Terphenyl	0		2.670		0	30	128				SDO

Sample ID: **112952-001AMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123893**
Client ID: **ZZZZZZ** Batch ID: **65987** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/3/2010** SeqNo: **1989609**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	88.860	10	33.00	21.28	205	25	129	68.22	26.3	20	SR
Surr: p-Terphenyl	0		2.670		0	30	128		0	0	SDO

Sample ID: **MB-65987** SampType: **MBLK** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123893**
Client ID: **PBS** Batch ID: **65987** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/3/2010** SeqNo: **1989610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.615		2.670		97.9	30	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **LCS-65987** SampType: **LCS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **7/30/2010** RunNo: **123893**
Client ID: **LCSS** Batch ID: **65987** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/3/2010** SeqNo: **1989611**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	25.412	1.0	33.00	0	77.0	35	118				
Surr: p-Terphenyl	2.500		2.670		93.6	30	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E100729LCS1** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123837**
Client ID: **LCSS** Batch ID: **E10VS232** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987981**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.690	1.0	5.000	0	93.8	70	130				
Surr: Bromofluorobenzene (FID)	85.389		100.0		85.4	56	137				

Sample ID: **E100729MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123837**
Client ID: **PBS** Batch ID: **E10VS232** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987983**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	82.078		100.0		82.1	56	137				

Sample ID: **112952-001ADUP** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123837**
Client ID: **ZZZZZZ** Batch ID: **E10VS232** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	89.084		100.0		89.1	56	137		0	0	

Sample ID: **112952-001AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123837**
Client ID: **ZZZZZZ** Batch ID: **E10VS232** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987992**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.055	1.0	5.000	0	81.1	40	121				
Surr: Bromofluorobenzene (FID)	102.798		100.0		103	56	137				

Sample ID: **112952-001AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123837**
Client ID: **ZZZZZZ** Batch ID: **E10VS232** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.287	1.0	5.000	0	85.7	40	121	4.055	5.56	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **112952-001AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123837**
Client ID: **ZZZZZZ** Batch ID: **E10VS232** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1987993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	104.596		100.0		105	56	137		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **E100729LCS2** SampType: **LCS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123837**
Client ID: **LCSS** Batch ID: **E10VS232** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988017**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	85.843	5.0	100.0	0	85.8	70	130				
Ethylbenzene	87.120	5.0	100.0	0	87.1	70	130				
m,p-Xylene	175.396	10	200.0	0	87.7	70	130				
Methyl tert-butyl ether	85.753	5.0	100.0	0	85.8	70	130				
o-Xylene	88.833	5.0	100.0	0	88.8	70	130				
Toluene	88.190	5.0	100.0	0	88.2	70	130				
Surr: Bromofluorobenzene (PID)	85.219		100.0		85.2	64	116				

Sample ID: **E100729MB1** SampType: **MBLK** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123837**
Client ID: **PBS** Batch ID: **E10VS232** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	81.466		100.0		81.5	64	116				

Sample ID: **112952-001ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123837**
Client ID: **ZZZZZZ** Batch ID: **E10VS232** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **112952-001ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123837**
Client ID: **ZZZZZZ** Batch ID: **E10VS232** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (PID)	88.877		100.0		88.9	64	116		0	0	

Sample ID: **112952-001AMS** SampType: **MS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123837**
Client ID: **ZZZZZZ** Batch ID: **E10VS232** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	41.199	5.0	22.15	0	186	41	112				S
Ethylbenzene	42.599	5.0	42.30	0	101	26	100				S
m,p-Xylene	154.366	10	180.2	0	85.7	32	106				
Methyl tert-butyl ether	467.691	5.0	578.9	0	80.8	44	124				
o-Xylene	58.793	5.0	64.80	0	90.7	30	100				
Toluene	160.785	5.0	172.6	0	93.1	38	112				
Surr: Bromofluorobenzene (PID)	94.719		100.0		94.7	64	116				

Sample ID: **112952-001AMSD** SampType: **MSD** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123837**
Client ID: **ZZZZZZ** Batch ID: **E10VS232** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.153	5.0	22.15	0	190	41	112	41.20	2.29	20	S
Ethylbenzene	39.163	5.0	42.30	0	92.6	26	100	42.60	8.40	20	
m,p-Xylene	154.219	10	180.2	0	85.6	32	106	154.4	0.0953	20	
Methyl tert-butyl ether	457.346	5.0	578.9	0	79.0	44	124	467.7	2.24	20	
o-Xylene	61.566	5.0	64.80	0	95.0	30	100	58.79	4.61	20	
Toluene	165.489	5.0	172.6	0	95.9	38	112	160.8	2.88	20	
Surr: Bromofluorobenzene (PID)	97.458		100.0		97.5	64	116		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **E100802LCS2** SampType: **LCS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123868**
Client ID: **LCSS** Batch ID: **E10VS235** TestNo: **EPA 8021B** Analysis Date: **8/2/2010** SeqNo: **1988918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	91.888	5.0	100.0	0	91.9	70	130				
Ethylbenzene	92.429	5.0	100.0	0	92.4	70	130				
m,p-Xylene	186.231	10	200.0	0	93.1	70	130				
Methyl tert-butyl ether	89.543	5.0	100.0	0	89.5	70	130				
o-Xylene	94.425	5.0	100.0	0	94.4	70	130				
Toluene	93.409	5.0	100.0	0	93.4	70	130				
Surr: Bromofluorobenzene (PID)	89.500		100.0		89.5	64	116				

Sample ID: **E100802MB1** SampType: **MBLK** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123868**
Client ID: **PBS** Batch ID: **E10VS235** TestNo: **EPA 8021B** Analysis Date: **8/2/2010** SeqNo: **1988920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	96.085		100.0		96.1	64	116				

Sample ID: **112954-005ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123868**
Client ID: **BC3-RW3 (20)** Batch ID: **E10VS235** TestNo: **EPA 8021B** Analysis Date: **8/2/2010** SeqNo: **1988922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112954
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **112954-005ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123868**
Client ID: **BC3-RW3 (20)** Batch ID: **E10VS235** TestNo: **EPA 8021B** Analysis Date: **8/2/2010** SeqNo: **1988922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	101.668		100.0		102	64	116		0	0	

Sample ID: **112954-005AMS** SampType: **MS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123868**
Client ID: **BC3-RW3 (20)** Batch ID: **E10VS235** TestNo: **EPA 8021B** Analysis Date: **8/2/2010** SeqNo: **1988923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	33.227	5.0	22.15	0	150	41	112				S
Ethylbenzene	34.955	5.0	42.30	0	82.6	26	100				
m,p-Xylene	129.592	10	180.2	0	71.9	32	106				
Methyl tert-butyl ether	355.795	5.0	578.9	0	61.5	44	124				
o-Xylene	48.886	5.0	64.80	0	75.4	30	100				
Toluene	130.273	5.0	172.6	0	75.5	38	112				
Xylenes, Total	178.478	15	245.0	0	72.8	30	100				
Surr: Bromofluorobenzene (PID)	106.286		100.0		106	64	116				

Sample ID: **112954-005AMSD** SampType: **MSD** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123868**
Client ID: **BC3-RW3 (20)** Batch ID: **E10VS235** TestNo: **EPA 8021B** Analysis Date: **8/2/2010** SeqNo: **1988924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	38.116	5.0	22.15	0	172	41	112	33.23	13.7	20	S
Ethylbenzene	41.346	5.0	42.30	0	97.7	26	100	34.96	16.8	20	
m,p-Xylene	154.241	10	180.2	0	85.6	32	106	129.6	17.4	20	
Methyl tert-butyl ether	400.872	5.0	578.9	0	69.2	44	124	355.8	11.9	20	
o-Xylene	59.048	5.0	64.80	0	91.1	30	100	48.89	18.8	20	
Toluene	150.986	5.0	172.6	0	87.5	38	112	130.3	14.7	20	
Xylenes, Total	213.289	15	245.0	0	87.1	30	100	178.5	17.8	20	
Surr: Bromofluorobenzene (PID)	106.363		100.0		106	64	116		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/29/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

2.6

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: C. MERRITT (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-27-10 Time: 1645
Received by: (Signature and Printed Name) Mary Date: 7/28/10 Time: 835

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: CM 7-27-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~BK3-RW1 (0.5, 1, 2, 3, 4, 6, 18)~~						X								X									
112954-001	BK3-RW4 (18)	7-27-10	1040				X	X				X			X		X							
	~~BK3-RW4 (18)~~							X							X		X							
	~~BL1-RW1 (0.5, 1, 2, 3, 4, 6)~~									X					X									
	~~BL2-RW1 (0.5, 1, 2, 3, 4, 6, 15)~~						X								X									
2	BL2-RW4 (15)	7-27-10	1120				X	X				X			X		X							
	~~BL2-RW4 (15)~~							X							X		X							
	~~BM1-RW8 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BM1-RW8 (0.5)~~									X					X									
	~~BM2-RW8 (0.5, 1, 2, 3, 4, 6)~~						X								X									

• TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport		Sample Condition Upon Receipt					
Client	ATL	1. CHILLED	Y	N	4. SEALED	Y	N
FedEx	OnTrac	2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
GSO		3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N
Other:							

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: C. MERRITT (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-27-10 Time: 1645
Received by: (Signature and Printed Name) Date: 7/28/10 Time: 835

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-27-10
Print Name Date
CM
Signature

Send Report To:
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Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~BE8-RW3 (0.5, 1, 2, 3, 4, 6, 14)~~						X								X									
112954 3	BE3-RW3 (14)	7-27-10	0920				X	X				X			X		X							
	~~BE3-RW3 (14)~~							X							X		X							
	~~BF1-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BF2-RW3 (0.5, 1, 2, 3, 4, 6, 12)~~								X						X									
	~~BG1-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BG2-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BG3-RW3 (0.5, 1, 2, 3, 4, 6, 14)~~						X								X									
4	BG3-RW3 (14)	7-27-10	1000				X	X				X			X		X							
	~~BG3-RW3 (14)~~							X							X		X							

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: C. MERRITT (Signature) C. MERRITT

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Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-27-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~BC3-RW3 (0.5, 1, 2, 3, 4, 6, 20)~~						X								X									
1129544 5	BC3-RW3 (20)	7-27-10	0810				X	X				X			X		X							
	~~BC3-RW3 (20)~~							X							X		X							
	~~BD1-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BD2-RW3 (0.5, 1, 2, 3, 4, 6, 12)~~						X								X									
	~~BE1-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BE1-RW3 (0.5)~~									X					X									
	~~BE2-RW3 (0.5, 1, 2, 3, 4, 6)~~								X						X									

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

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Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

Sample Condition Upon Receipt:
1. CHILLED Y N
2. HEADSPACE (VOA) Y N
3. CONTAINER INTACT Y N
4. SEALED Y N
5. # OF SPLS MATCH COC Y N
6. PRESERVED Y N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: C. MERRITT (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-27-10 Time: 1645
Received by: (Signature and Printed Name) Mark Date: 7/28/10 Time: 835

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-27-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~BA1-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BA1-RW3 (0.5)~~										X				X									
	~~BA2-RW3 (0.5, 1, 2, 3, 4, 6, 8)~~						X								X									
	~~BB1-RW3 (0.5, 1, 2, 3, 4, 6)~~									X					X									
	~~BB2-RW3 (0.5, 1, 2, 3, 4, 8, 16)~~						X								X									
112954-6	BB2-RW3 (16)	7-27-10	0750				XX				X				X		X							
	~~BB2-RW3 (16)~~							X							X		X							
	~~BC1-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X									
	~~BC2-RW3 (0.5, 1, 2, 3, 4, 6)~~						X								X									

TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

August 05, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112974

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 29, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112974

CASE NARRATIVE

Analytical Comments for Method 8021

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112974-001AMS and 112974-001AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
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Date: 8/5/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112974
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/29/2010 9:10:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112974-001A	BBL-RW5 (30)	ND	mg/Kg	66000	5.0	1	7/28/2010	8/3/2010
112974-002A	BCL-RW5 (30)	7.0	mg/Kg	66000	5.0	1	7/28/2010	8/3/2010
112974-003A	BEL-RW6 (30)	7.6	mg/Kg	66000	5.0	1	7/28/2010	8/3/2010
112974-004A	BFL-RW6 (30)	8.0	mg/Kg	66000	5.0	1	7/28/2010	8/3/2010
112974-005A	BIL-RW7 (30)	6.9	mg/Kg	66000	5.0	1	7/28/2010	8/3/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *05-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BBL-RW5 (30)
Lab Order:	112974	**Collection Date:**	7/28/2010 7:15:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112974-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	1.0	1.0		mg/Kg	1	8/4/2010 10:45 AM
ORO	2.3	1.0		mg/Kg	1	8/4/2010 10:45 AM
Surr: p-Terphenyl	92.5	30-128		%REC	1	8/4/2010 10:45 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 05:20 PM
Surr: Bromofluorobenzene (FID)	108	56-137		%REC	1	7/29/2010 05:20 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 05:20 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 05:20 PM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 05:20 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 05:20 PM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 05:20 PM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 05:20 PM
Surr: Bromofluorobenzene (PID)	106	64-116		%REC	1	7/29/2010 05:20 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *05-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BCL-RW5 (30)
Lab Order:	112974	**Collection Date:**	7/28/2010 8:50:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112974-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	8/4/2010 11:04 AM
ORO	1.7	1.0		mg/Kg	1	8/4/2010 11:04 AM
Surr: p-Terphenyl	102	30-128		%REC	1	8/4/2010 11:04 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 05:50 PM
Surr: Bromofluorobenzene (FID)	106	56-137		%REC	1	7/29/2010 05:50 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 05:50 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 05:50 PM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 05:50 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 05:50 PM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 05:50 PM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 05:50 PM
Surr: Bromofluorobenzene (PID)	105	64-116		%REC	1	7/29/2010 05:50 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *05-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BEL-RW6 (30)
Lab Order:	112974	**Collection Date:**	7/28/2010 10:00:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112974-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	1.4	1.0		mg/Kg	1	8/4/2010 11:23 AM
ORO	3.7	1.0		mg/Kg	1	8/4/2010 11:23 AM
Surr: p-Terphenyl	90.3	30-128		%REC	1	8/4/2010 11:23 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 06:04 PM
Surr: Bromofluorobenzene (FID)	109	56-137		%REC	1	7/29/2010 06:04 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 06:04 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 06:04 PM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 06:04 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 06:04 PM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 06:04 PM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 06:04 PM
Surr: Bromofluorobenzene (PID)	107	64-116		%REC	1	7/29/2010 06:04 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *05-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BFL-RW6 (30)
Lab Order:	112974	**Collection Date:**	7/28/2010 12:00:00 PM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112974-004A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	2.1	1.0		mg/Kg	1	8/4/2010 11:43 AM
ORO	6.7	1.0		mg/Kg	1	8/4/2010 11:43 AM
Surr: p-Terphenyl	95.9	30-128		%REC	1	8/4/2010 11:43 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 06:19 PM
Surr: Bromofluorobenzene (FID)	103	56-137		%REC	1	7/29/2010 06:19 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 06:19 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 06:19 PM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 06:19 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 06:19 PM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 06:19 PM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 06:19 PM
Surr: Bromofluorobenzene (PID)	101	64-116		%REC	1	7/29/2010 06:19 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *05-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BIL-RW7 (30)
Lab Order:	112974	**Collection Date:**	7/28/2010 12:44:00 PM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112974-005A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	2.4	1.0		mg/Kg	1	8/4/2010 11:54 AM
ORO	7.5	1.0		mg/Kg	1	8/4/2010 11:54 AM
Surr: p-Terphenyl	94.2	30-128		%REC	1	8/4/2010 11:54 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/29/2010 06:34 PM
Surr: Bromofluorobenzene (FID)	109	56-137		%REC	1	7/29/2010 06:34 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100729B	QC Batch: E10VS233			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/29/2010 06:34 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/29/2010 06:34 PM
m,p-Xylene	ND	10		µg/Kg	1	7/29/2010 06:34 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/29/2010 06:34 PM
o-Xylene	ND	5.0		µg/Kg	1	7/29/2010 06:34 PM
Toluene	ND	5.0		µg/Kg	1	7/29/2010 06:34 PM
Surr: Bromofluorobenzene (PID)	108	64-116		%REC	1	7/29/2010 06:34 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-66000A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **PBS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-66000** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **LCSS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	287.537	5.0	250.0	0	115	80	120				

Sample ID: **112974-004A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **BFL-RW6 (30)** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.614	5.0						8.001	4.96	20	

Sample ID: **112974-004A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **BFL-RW6 (30)** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.880	5.0	250.0	8.001	66.4	34	126				

Sample ID: **MB-66000B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **PBS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112987-004A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **ZZZZZZ** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989409**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.951	5.0						6.770	12.9	20	

Sample ID: **112987-004A--MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **ZZZZZZ** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989410**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	190.972	5.0	250.0	6.770	73.7	34	126				

Sample ID: **112987-004A-MSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **ZZZZZZ** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.148	5.0	250.0	6.770	79.8	34	126	191.0	7.64	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-66024** SampType: **MBLK** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **PBS** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.621		2.670		98.2	30	128				

Sample ID: **LCS-66024** SampType: **LCS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **LCSS** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	27.627	1.0	33.00	0	83.7	35	118				
Surr: p-Terphenyl	2.768		2.670		104	30	128				

Sample ID: **112974-001AMS** SampType: **MS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **BBL-RW5 (30)** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	20.219	1.0	33.00	1.020	58.2	25	129				
Surr: p-Terphenyl	2.245		2.670		84.1	30	128				

Sample ID: **112974-001AMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **BBL-RW5 (30)** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990209**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	18.901	1.0	33.00	1.020	54.2	25	129	20.22	6.74	20	
Surr: p-Terphenyl	2.195		2.670		82.2	30	128		0	0	

Sample ID: **112974-002ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **BCL-RW5 (30)** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **112974-002ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **BCL-RW5 (30)** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0						0	0	20	
ORO	1.758	1.0						1.658	5.82	20	
Surr: p-Terphenyl	2.486		2.670		93.1	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E100729MB2** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123849**
Client ID: **PBS** Batch ID: **E10VS233** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1988853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	100.379		100.0		100	56	137				

Sample ID: **112974-001ADUP** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123849**
Client ID: **BBL-RW5 (30)** Batch ID: **E10VS233** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1988855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	105.322		100.0		105	56	137		0	0	

Sample ID: **112974-001AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123849**
Client ID: **BBL-RW5 (30)** Batch ID: **E10VS233** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1988860**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.534	1.0	5.000	0	90.7	40	121				
Surr: Bromofluorobenzene (FID)	115.857		100.0		116	56	137				

Sample ID: **112974-001AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123849**
Client ID: **BBL-RW5 (30)** Batch ID: **E10VS233** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1988861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.428	1.0	5.000	0	88.6	40	121	4.534	2.37	20	
Surr: Bromofluorobenzene (FID)	118.535		100.0		119	56	137		0	0	

Sample ID: **E100729LCS3** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123849**
Client ID: **LCSS** Batch ID: **E10VS233** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1988862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.826	1.0	5.000	0	96.5	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E100729LCS3** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123849**
Client ID: **LCSS** Batch ID: **E10VS233** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1988862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	101.461		100.0		101	56	137				

Sample ID: **E100729LCS3D** SampType: **LCSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123849**
Client ID: **LCSS02** Batch ID: **E10VS233** TestNo: **EPA 8015B(M** Analysis Date: **7/29/2010** SeqNo: **1988864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.761	1.0	5.000	0	95.2	70	130	4.826	1.36	20	
Surr: Bromofluorobenzene (FID)	98.477		100.0		98.5	56	137		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **E100729MB2** SampType: **MBLK** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123849**
Client ID: **PBS** Batch ID: **E10VS233** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988866**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	99.948		100.0		99.9	64	116				

Sample ID: **112974-001ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123849**
Client ID: **BBL-RW5 (30)** Batch ID: **E10VS233** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	103.640		100.0		104	64	116		0	0	

Sample ID: **112974-001AMS** SampType: **MS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123849**
Client ID: **BBL-RW5 (30)** Batch ID: **E10VS233** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	41.939	5.0	22.15	0	189	41	112				S
Ethylbenzene	39.815	5.0	42.30	0	94.1	26	100				
m,p-Xylene	160.975	10	180.2	0	89.3	32	106				
Methyl tert-butyl ether	441.089	5.0	578.9	0	76.2	44	124				
o-Xylene	65.250	5.0	64.80	0	101	30	100				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **112974-001AMS** SampType: **MS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123849**
Client ID: **BBL-RW5 (30)** Batch ID: **E10VS233** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	165.687	5.0	172.6	0	96.0	38	112				
Xylenes, Total	226.225	15	245.0	0	92.3	30	100				
Surr: Bromofluorobenzene (PID)	107.909		100.0		108	64	116				

Sample ID: **112974-001AMSD** SampType: **MSD** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123849**
Client ID: **BBL-RW5 (30)** Batch ID: **E10VS233** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	41.152	5.0	22.15	0	186	41	112	41.94	1.89	20	S
Ethylbenzene	39.272	5.0	42.30	0	92.8	26	100	39.82	1.37	20	
m,p-Xylene	159.317	10	180.2	0	88.4	32	106	161.0	1.04	20	
Methyl tert-butyl ether	436.333	5.0	578.9	0	75.4	44	124	441.1	1.08	20	
o-Xylene	64.282	5.0	64.80	0	99.2	30	100	65.25	1.49	20	
Toluene	162.340	5.0	172.6	0	94.0	38	112	165.7	2.04	20	
Xylenes, Total	223.599	15	245.0	0	91.3	30	100	226.2	1.17	20	
Surr: Bromofluorobenzene (PID)	111.510		100.0		112	64	116		0	20	

Sample ID: **E100729LCS4** SampType: **LCS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123849**
Client ID: **LCSS** Batch ID: **E10VS233** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	93.975	5.0	100.0	0	94.0	70	130				
Ethylbenzene	93.523	5.0	100.0	0	93.5	70	130				
m,p-Xylene	188.471	10	200.0	0	94.2	70	130				
Methyl tert-butyl ether	90.927	5.0	100.0	0	90.9	70	130				
o-Xylene	96.989	5.0	100.0	0	97.0	70	130				
Toluene	95.189	5.0	100.0	0	95.2	70	130				
Surr: Bromofluorobenzene (PID)	96.374		100.0		96.4	64	116				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112974
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **E100729LCS4D** SampType: **LCSD** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123849**
Client ID: **LCSS02** Batch ID: **E10VS233** TestNo: **EPA 8021B** Analysis Date: **7/29/2010** SeqNo: **1988878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	92.482	5.0	100.0	0	92.5	70	130	93.98	1.60	20	
Ethylbenzene	92.127	5.0	100.0	0	92.1	70	130	93.52	1.50	20	
m,p-Xylene	185.101	10	200.0	0	92.6	70	130	188.5	1.80	20	
Methyl tert-butyl ether	89.101	5.0	100.0	0	89.1	70	130	90.93	2.03	20	
o-Xylene	95.401	5.0	100.0	0	95.4	70	130	96.99	1.65	20	
Toluene	93.429	5.0	100.0	0	93.4	70	130	95.19	1.87	20	
Surr: Bromofluorobenzene (PID)	95.645		100.0		95.6	64	116		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/29/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx ✓, OnTrac, GSO ✓, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y 3.4	N	4. SEALED	Y	N ✓
2. HEADSPACE (VOA)	Y N/A	N	5. # OF SPLS MATCH COC	Y ✓	N
3. CONTAINER INTACT	Y ✓	N	6. PRESERVED	Y	N ✓

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CHRIS MERRITT (Signature) CM

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-28-10 Time: 1645
Received by: (Signature and Printed Name) Mary Date: 7/29/10 Time: 9:10

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-28-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~BBL-RW5 (0.5, 1, 2, 3, 4, 6, 30)~~						X									X								
	~~BBL-RW5 (0.5)~~															X								
1/2-74-001	BBL-RW5 (30)	7-28-10	0715				X	X			X					X								
	~~BBL-RW5 (30)~~															X								
	~~BCL-RW5 (0.5, 1, 2, 3, 4, 6, 30)~~							X								X								
2	BCL-RW5 (30)	7-28-10	0850				X	X			X					X								
	~~BCL-RW5 (30)~~															X								
	~~BDT-L (0.5, 1, 2, 3, 4, 6)~~							X								X								

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CHRIS MERRITT (Signature) CM

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-28-10 Time: 1645
Received by: (Signature and Printed Name) [illegible] Date: 7/29/10 Time: 9:10

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-28-10
Print Name Date
CM
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	6021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~BEL-RW6 (0.5, 1, 2, 3, 4, 6, 30)~~																							
112974-3	BEL-RW6 (30)	7-28-10	1200					X	X			X				X								
	~~BEL-RW6 (30)~~								X							X								
	~~BFL-RW6 (0.5, 1, 2, 3, 4, 6, 30)~~							X								X								
4	BFL-RW6 (30)	7-28-10	1200					X	X			X				X								
	~~BFL-RW6 (30)~~								X							X								
	~~BIL-RW7 (0.5, 1, 2, 3, 4, 6, 30)~~							X								X								
	~~BIL-RW7 (0.5)~~									X						X								
5	BIL-RW7 (30)	7-28-10	1244					X	X			X				X								
	~~BIL-RW7 (30)~~								X							X								

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

August 06, 2010

Lauren Vigliotti
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
TEL: (925) 768-9874
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 112987

RE: Alameda County Eastbound I-580 Truck, E8435

Attention: Lauren Vigliotti

Enclosed are the results for sample(s) received on July 30, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Alameda County Eastbound I-580 Truck, E8435
Lab Order: 112987

CASE NARRATIVE

Analytical Comments for Method 8021

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 112982-011AMS and 112982-011AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: 8/6/2010

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	112987
Project:	Alameda County Eastbound I-580 Truck, E8435	**Date Received**	7/30/2010 9:45:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
112987-001A	BJL-RW7 (30)	5.4	mg/Kg	66000	5.0	1	7/29/2010	8/3/2010
112987-002A	BKL-RW7 (30)	8.0	mg/Kg	66000	5.0	1	7/29/2010	8/3/2010
112987-003A	BLL-RW7 (30)	ND	mg/Kg	66000	5.0	1	7/29/2010	8/3/2010
112987-004A	BML-RW7 (30)	6.8	mg/Kg	66000	5.0	1	7/29/2010	8/3/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *06-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BJL-RW7 (30)
Lab Order:	112987	**Collection Date:**	7/29/2010 6:40:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112987-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	8/4/2010 11:14 AM
ORO	2.1	1.0		mg/Kg	1	8/4/2010 11:14 AM
Surr: p-Terphenyl	88.6	30-128		%REC	1	8/4/2010 11:14 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100730A	QC Batch: E10VS234			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/30/2010 03:24 PM
Surr: Bromofluorobenzene (FID)	101	56-137		%REC	1	7/30/2010 03:24 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100730A	QC Batch: E10VS234			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/30/2010 03:24 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/30/2010 03:24 PM
m,p-Xylene	ND	10		µg/Kg	1	7/30/2010 03:24 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/30/2010 03:24 PM
o-Xylene	ND	5.0		µg/Kg	1	7/30/2010 03:24 PM
Toluene	ND	5.0		µg/Kg	1	7/30/2010 03:24 PM
Surr: Bromofluorobenzene (PID)	97.2	64-116		%REC	1	7/30/2010 03:24 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *06-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BKL-RW7 (30)
Lab Order:	112987	**Collection Date:**	7/29/2010 7:45:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112987-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	8/4/2010 10:54 AM
ORO	1.3	1.0		mg/Kg	1	8/4/2010 10:54 AM
Surr: p-Terphenyl	100	30-128		%REC	1	8/4/2010 10:54 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100730A	QC Batch: E10VS234			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/30/2010 03:39 PM
Surr: Bromofluorobenzene (FID)	106	56-137		%REC	1	7/30/2010 03:39 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100730A	QC Batch: E10VS234			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/30/2010 03:39 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/30/2010 03:39 PM
m,p-Xylene	ND	10		µg/Kg	1	7/30/2010 03:39 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/30/2010 03:39 PM
o-Xylene	ND	5.0		µg/Kg	1	7/30/2010 03:39 PM
Toluene	ND	5.0		µg/Kg	1	7/30/2010 03:39 PM
Surr: Bromofluorobenzene (PID)	103	64-116		%REC	1	7/30/2010 03:39 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *06-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BLL-RW7 (30)
Lab Order:	112987	**Collection Date:**	7/29/2010 8:50:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112987-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	4.4	1.0		mg/Kg	1	8/4/2010 12:03 PM
ORO	12	1.0		mg/Kg	1	8/4/2010 12:03 PM
Surr: p-Terphenyl	88.7	30-128		%REC	1	8/4/2010 12:03 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100730A	QC Batch: E10VS234			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/30/2010 03:54 PM
Surr: Bromofluorobenzene (FID)	107	56-137		%REC	1	7/30/2010 03:54 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100730A	QC Batch: E10VS234			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/30/2010 03:54 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/30/2010 03:54 PM
m,p-Xylene	ND	10		µg/Kg	1	7/30/2010 03:54 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/30/2010 03:54 PM
o-Xylene	ND	5.0		µg/Kg	1	7/30/2010 03:54 PM
Toluene	ND	5.0		µg/Kg	1	7/30/2010 03:54 PM
Surr: Bromofluorobenzene (PID)	104	64-116		%REC	1	7/30/2010 03:54 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *06-Aug-10*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	BML-RW7 (30)
Lab Order:	112987	**Collection Date:**	7/29/2010 10:10:00 AM
Project:	Alameda County Eastbound I-580 Truck, E84	**Matrix:**	SOIL
Lab ID:	112987-004A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC16_100804A	QC Batch: 66024			PrepDate: 8/3/2010		Analyst: **CBR**
DRO	1.0	1.0		mg/Kg	1	8/4/2010 11:34 AM
ORO	3.6	1.0		mg/Kg	1	8/4/2010 11:34 AM
Surr: p-Terphenyl	96.1	30-128		%REC	1	8/4/2010 11:34 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_100730A	QC Batch: E10VS234			PrepDate:		Analyst: **DDL**
GRO	ND	1.0		mg/Kg	1	7/30/2010 04:08 PM
Surr: Bromofluorobenzene (FID)	106	56-137		%REC	1	7/30/2010 04:08 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8021B		
RunID: GC2_100730A	QC Batch: E10VS234			PrepDate:		Analyst: **DDL**
Benzene	ND	5.0		µg/Kg	1	7/30/2010 04:08 PM
Ethylbenzene	ND	5.0		µg/Kg	1	7/30/2010 04:08 PM
m,p-Xylene	ND	10		µg/Kg	1	7/30/2010 04:08 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	7/30/2010 04:08 PM
o-Xylene	ND	5.0		µg/Kg	1	7/30/2010 04:08 PM
Toluene	ND	5.0		µg/Kg	1	7/30/2010 04:08 PM
Surr: Bromofluorobenzene (PID)	103	64-116		%REC	1	7/30/2010 04:08 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112987
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-66000A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **PBS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-66000** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **LCSS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	287.537	5.0	250.0	0	115	80	120				

Sample ID: **112974-004A-DUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **ZZZZZZ** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.614	5.0						8.001	4.96	20	

Sample ID: **112974-004A-MS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **ZZZZZZ** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.880	5.0	250.0	8.001	66.4	34	126				

Sample ID: **MB-66000B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123881**
Client ID: **PBS** Batch ID: **66000** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **8/3/2010** SeqNo: **1989403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112987
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **112987-004A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **8/3/2010**	RunNo: **123881**
Client ID: **BML-RW7 (30)**	Batch ID: **66000**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/3/2010**	SeqNo: **1989409**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.951	5.0						6.770	12.9	20	

Sample ID: **112987-004A--MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **8/3/2010**	RunNo: **123881**
Client ID: **BML-RW7 (30)**	Batch ID: **66000**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/3/2010**	SeqNo: **1989410**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	190.972	5.0	250.0	6.770	73.7	34	126				

Sample ID: **112987-004A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **8/3/2010**	RunNo: **123881**
Client ID: **BML-RW7 (30)**	Batch ID: **66000**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **8/3/2010**	SeqNo: **1989411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.148	5.0	250.0	6.770	79.8	34	126	191.0	7.64	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112987
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-66024** SampType: **MBLK** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **PBS** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.621		2.670		98.2	30	128				

Sample ID: **LCS-66024** SampType: **LCS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **LCSS** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	27.627	1.0	33.00	0	83.7	35	118				
Surr: p-Terphenyl	2.768		2.670		104	30	128				

Sample ID: **112974-001AMS** SampType: **MS** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **ZZZZZZ** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	20.219	1.0	33.00	1.020	58.2	25	129				
Surr: p-Terphenyl	2.245		2.670		84.1	30	128				

Sample ID: **112974-001AMSD** SampType: **MSD** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **ZZZZZZ** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990209**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	18.901	1.0	33.00	1.020	54.2	25	129	20.22	6.74	20	
Surr: p-Terphenyl	2.195		2.670		82.2	30	128		0	0	

Sample ID: **112974-002ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **ZZZZZZ** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 112987
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **112974-002ADUP** SampType: **DUP** TestCode: **8015_S_DM L** Units: **mg/Kg** Prep Date: **8/3/2010** RunNo: **123920**
Client ID: **ZZZZZZ** Batch ID: **66024** TestNo: **EPA 8015B(M EPA 3550B** Analysis Date: **8/4/2010** SeqNo: **1990210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0						0	0	20	
ORO	1.758	1.0						1.658	5.82	20	
Surr: p-Terphenyl	2.486		2.670		93.1	30	128		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112987
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E100730LCS1** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123862**
Client ID: **LCSS** Batch ID: **E10VS234** TestNo: **EPA 8015B(M** Analysis Date: **7/30/2010** SeqNo: **1988788**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.027	1.0	5.000	0	101	70	130				
Surr: Bromofluorobenzene (FID)	105.314		100.0		105	56	137				

Sample ID: **E100730MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123862**
Client ID: **PBS** Batch ID: **E10VS234** TestNo: **EPA 8015B(M** Analysis Date: **7/30/2010** SeqNo: **1988790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	95.051		100.0		95.1	56	137				

Sample ID: **112982-011ADUP** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123862**
Client ID: **ZZZZZZ** Batch ID: **E10VS234** TestNo: **EPA 8015B(M** Analysis Date: **7/30/2010** SeqNo: **1988792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	98.029		100.0		98.0	56	137		0	0	

Sample ID: **112982-011AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123862**
Client ID: **ZZZZZZ** Batch ID: **E10VS234** TestNo: **EPA 8015B(M** Analysis Date: **7/30/2010** SeqNo: **1988800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	2.825	1.0	5.000	0	56.5	40	121				
Surr: Bromofluorobenzene (FID)	63.110		100.0		63.1	56	137				

Sample ID: **112982-011AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123862**
Client ID: **ZZZZZZ** Batch ID: **E10VS234** TestNo: **EPA 8015B(M** Analysis Date: **7/30/2010** SeqNo: **1988801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	2.916	1.0	5.000	0	58.3	40	121	2.825	3.17	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112987
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **112982-011AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **123862**
Client ID: **ZZZZZZ** Batch ID: **E10VS234** TestNo: **EPA 8015B(M** Analysis Date: **7/30/2010** SeqNo: **1988801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	71.368		100.0		71.4	56	137		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Geocon Consultants, Inc.
Work Order: 112987
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **E100730LCS2** SampType: **LCS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123862**
Client ID: **LCSS** Batch ID: **E10VS234** TestNo: **EPA 8021B** Analysis Date: **7/30/2010** SeqNo: **1988803**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	96.909	5.0	100.0	0	96.9	70	130				
Ethylbenzene	98.073	5.0	100.0	0	98.1	70	130				
m,p-Xylene	197.923	10	200.0	0	99.0	70	130				
Methyl tert-butyl ether	94.897	5.0	100.0	0	94.9	70	130				
o-Xylene	100.309	5.0	100.0	0	100	70	130				
Toluene	99.189	5.0	100.0	0	99.2	70	130				
Surr: Bromofluorobenzene (PID)	98.242		100.0		98.2	64	116				

Sample ID: **E100730MB1** SampType: **MBLK** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123862**
Client ID: **PBS** Batch ID: **E10VS234** TestNo: **EPA 8021B** Analysis Date: **7/30/2010** SeqNo: **1988804**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	92.308		100.0		92.3	64	116				

Sample ID: **112982-011ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123862**
Client ID: **ZZZZZZ** Batch ID: **E10VS234** TestNo: **EPA 8021B** Analysis Date: **7/30/2010** SeqNo: **1988806**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 112987
Project: Alameda County Eastbound I-580 Truck, E8435

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: **112982-011ADUP** SampType: **DUP** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123862**
Client ID: **ZZZZZZ** Batch ID: **E10VS234** TestNo: **EPA 8021B** Analysis Date: **7/30/2010** SeqNo: **1988806**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (PID)	96.811		100.0		96.8	64	116		0	0	

Sample ID: **112982-011AMS** SampType: **MS** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123862**
Client ID: **ZZZZZZ** Batch ID: **E10VS234** TestNo: **EPA 8021B** Analysis Date: **7/30/2010** SeqNo: **1988814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	29.864	5.0	22.15	0	135	41	112				S
Ethylbenzene	17.607	5.0	42.30	0	41.6	26	100				
m,p-Xylene	64.534	10	180.2	0	35.8	32	106				
Methyl tert-butyl ether	399.660	5.0	578.9	0	69.0	44	124				
o-Xylene	24.364	5.0	64.80	0	37.6	30	100				
Toluene	88.481	5.0	172.6	0	51.2	38	112				
Surr: Bromofluorobenzene (PID)	59.834		100.0		59.8	64	116				S

Sample ID: **112982-011AMSD** SampType: **MSD** TestCode: **8021_S_BTE** Units: **µg/Kg** Prep Date: RunNo: **123862**
Client ID: **ZZZZZZ** Batch ID: **E10VS234** TestNo: **EPA 8021B** Analysis Date: **7/30/2010** SeqNo: **1988815**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	29.428	5.0	22.15	0	133	41	112	29.86	1.47	20	S
Ethylbenzene	16.119	5.0	42.30	0	38.1	26	100	17.61	8.82	20	
m,p-Xylene	63.640	10	180.2	0	35.3	32	106	64.53	1.39	20	
Methyl tert-butyl ether	388.864	5.0	578.9	0	67.2	44	124	399.7	2.74	20	
o-Xylene	24.908	5.0	64.80	0	38.4	30	100	24.36	2.21	20	
Toluene	88.483	5.0	172.6	0	51.2	38	112	88.48	0.00226	20	
Surr: Bromofluorobenzene (PID)	61.026		100.0		61.0	64	116		0	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: 7/30/10

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO ✓, Other: _____

7-30

Sample Condition Upon Receipt

1. CHILLED	(Y)	N	4. SEALED	Y	N ✓
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	✓	N
3. CONTAINER INTACT	✓	N	6. PRESERVED	Y	N ✓

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
Fax: (925) 371-5915

Project Name: Alameda County Eastbound I-580 Truck Climbing Lane Project
Project #: E8435-06-47
Sampler: CM (Signature) C. MERRITT

Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-29-10 Time: 1645
Received by: (Signature and Printed Name) C. [illegible] Date: 7/30/10 Time: 945

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: CM 7-29-10
Print Name: CM Date
Signature

Send Report To:
Attn: Lauren Vigliotti
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Bill To:
Attn: Rick Day
Co: Geocon Consultants, Inc.
Addr: 6671 Brisa Street
City: Livermore State: CA Zip: 94550

Special Instructions/Comments:

				8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B Lead	8021 BTEX and MTBE	8015B (DRO)	6010 ICAP and 7471A CAM 17	7196A Hexavalent Chromium	8015 Modified (TPH as gasoline, diesel, motor oil)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#	Type
	~~BJL-RW7 (0.5, 1, 2, 3, 4, 6, 30)~~						X								X									
1120787-007 •	BJL-RW7 (30)	7-29-10	0640				X	X			X				X		X							
	~~BJL-RW7 (30)~~							X							X		X							
	~~BKL-RW7 (0.5, 1, 2, 3, 4, 6, 30)~~									X					X									
2 •	BKL-RW7 (30)	7-29-10	0745				X	X			X				X		X							
	~~BKL-RW7 (30)~~							X							X		X							
	~~BLL-RW7 (0.5, 1, 2, 3, 4, 6, 30)~~						X								X									
3 •	BLL-RW7 (30)	7-29-10	0850				X	X			X				X		X							
	~~BLL-RW7 (30)~~							X							X		X							

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

CHAIN OF CUSTODY RECORD

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O. #: _____ Quote #: _____
Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY

Method of Transport: Client, ATL, FedEx, OnTrac, GSO, Other:

Sample Condition Upon Receipt

1. CHILLED	Y	N	4. SEALED	Y	N
2. HEADSPACE (VOA)	Y	N	5. # OF SPLS MATCH COC	Y	N
3. CONTAINER INTACT	Y	N	6. PRESERVED	Y	N

Client: Geocon Consultants, Inc.
Attention: Lauren Vigliotti
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94550
Tel: (925) 371-5900
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Relinquished by: (Signature and Printed Name) CHRIS MERRITT Date: 7-29-10 Time: 1645
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Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CM 7-29-10
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Special Instructions/Comments:

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	~~BML-RW7 (0.5, 1, 2, 3, 4, 6, 30)~~									X						X								
1129587-21	BML-RW7 (30)	7-29-10	1010				X	X				X				X		X						
	~~BML-RW7 (30)~~							X								X		X						
																X								
																X								
																X								
																X								
																X								
																X								
																X								

■ TAT starts 8AM the following day if samples received after 5 PM

TAT:

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

APPENDIX D

APPENDIX D – Sample Populations for Lead Statistical Analysis

Sample Population A: Eastbound Shoulder, 0 < X < 3 feet from existing pavement:

A1-R	G1-R	M1-R
S1-R	Y1-RW2	AE1-R
AK1-R	AP1-R	AW1-RAMP
BB1-RW3	BH1-R	BN1-RW8
C1-R	I1-R	O1-R
U1-R	AA1-R	AG1-R
AM1-R	AS1-R	AX1-R
BD1-RW3	BJ1-R	BP1-RW8
E1-R	K1-R	Q1-R
W1-RW2	AC1-R	AI1-R
AO1-R	AU1-R	AZ1-RW3
BF1-RW3	BL1-RW4	

Sample Population B: Eastbound Shoulder, 3 ≤ X ≤ 6 feet from existing pavement:

B1-R	H1-R	BM1-RW8
T1-R	Z1-R	N1-R
AL1-R	AR1-R	AF1-R
BC1-RW3	BI1-R	AW1-R
D1-R	J1-R	BO1-RW8
V1-R	AB1-R	P1-R
AN1-R	AT1-R	AH1-R
BE1-RW3	BK1-RW4	AY1-R
F1-R	L1-R	R1-R
X1-RW2	AD1-R	AJ1-R
BG1-RW3	AV1-R	BA1-RW3

Sample Population C: Eastbound Shoulder, 6 < X ≤ 9 feet from existing pavement:

A2-R	AM2-R	K2-R
Q2-R	BI2-R	AC2-R
AI2-R	G2-R	AY2-R
BE2-RW3	W2-RW2	M2-R
C2-R	AU2-R	AE2-R
S2-R	BK2-RW4	BA2-RW3
AK2-R	I2-R	O2-R
BG2-RW3	X2-RW2	AG2-R
E2-R	AW2-R	BC2-RW3
U2-R	BO2-RW8	

APPENDIX D – Sample Populations for Lead Statistical Analysis

Sample Population D: Eastbound Shoulder
boring location greater than 9 feet from existing pavement:

A3-R	Y3-RW2	AU3-R
T2-R	AS2-R	BM2-RW8
AK3-R	BG3-RW3	N2-R
AZ2-RW3	H2-R	AE3-R
B2-R	Z2-R	AU4-R
U3-R	AS3-R	BM3-RW8
AL2-R	BH2-R	O3-R
BB2-RW3	I3-R	AF2-R
C3-R	AA2-R	AV2-R
V2-R	AT2-R	BN2-RW8
AM3-R	BI3-R	P2-R
BC3-RW3	J2-R	AG3-R
D2-R	AA3-R	AW2-RAMP
W3-RW2	AT3-R	BO3-RW8
AN2-R	BJ2-R	Q3-R
BD2-RW3	K3-R	AH2-R
E3-R	AB2-R	AW3-RAMP
X3-RW2	AT4-R	BP2-RW8
AO2-R	BK3-RW4	R2-R
BE3-RW3	L2-R	AI3-R
F2-R	AC3-R	AX2-R
Y2-RW2	AT5-R	S3-R
AR2-R	BL2-RW4	AJ2-R
BF2-RW3	M3-R	AY3-R
G3-R	AD2-R	

Sample Population E: Median, 0 < X < 3 feet from existing pavement:

A1-L	BD1-L	J1-L
N1-L	F1-L	AB-MED
AF-MED	X-MED	AO-MED
BA1-L	AK-MED	BKL-RW7
B1-L	BEL-RW6	K1-L
O1-L	G1-L	AC-MED
AG-MED	Y-MED	AP-MED
BB1-L	AL-MED	BLL-RW7
C1-L	BFL-RW6	L1-L
R1-L	H1-L	AD-MED
AH-MED	Z-MED	AQ-MED
BBL-RW5	AM-MED	BML-RW7
D1-L	BIL-RW7	M1-L
AI-MED	I1-L	AE-MED
BCL-RW5	AA-MED	AZ1-L
E1-L	AN-MED	
AJ-MED	BJL-RW7	

Median, boring location greater than 3 feet from existing pavement:

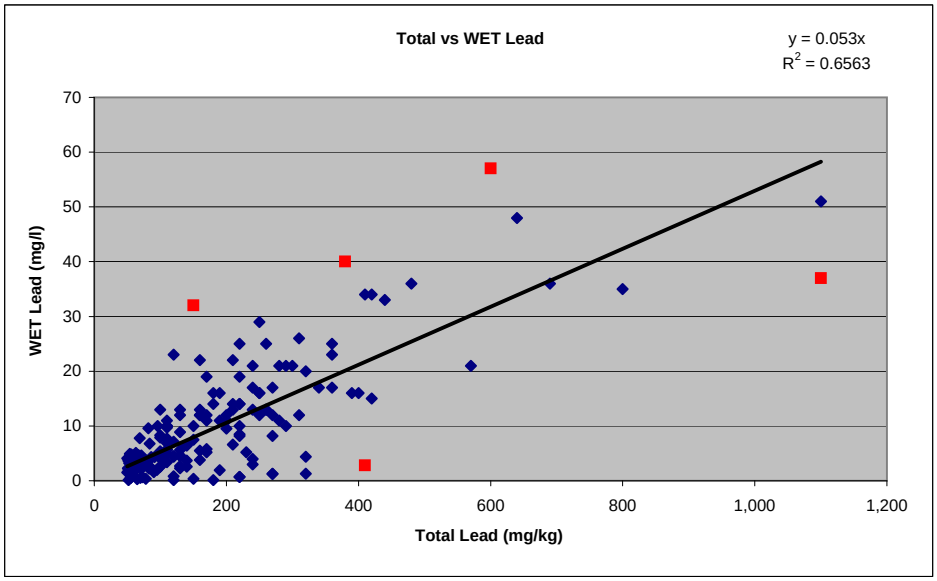
P1-L Q1-L

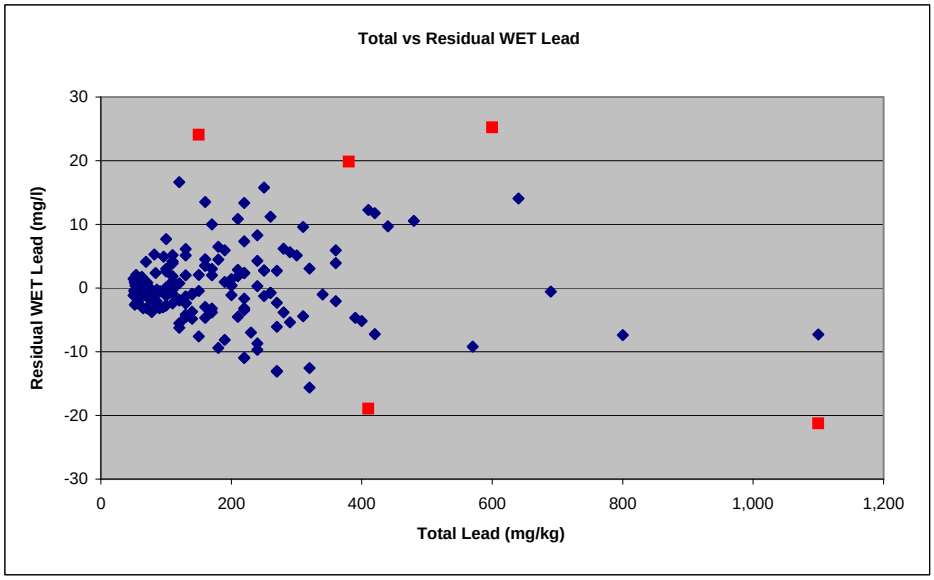
Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	Residual WET Lead (mg/l)	Squared Residual WET Lead (mg/l)
Q2-R 0.5	0.5	62	3.3	0.02	0.0002
AZ2-RW3 1	1	110	5.7	-0.13	0.0162
BI3-R 0.5	0.5	76	3.9	-0.13	0.0159
AU2-R 1	1	59	3.2	0.07	0.006
AT3-R 0.5	0.5	74	4.0	0.08	0.006
AT2-R 0.5	0.5	100	5.4	0.10	0.010
A2-R 2	2	110	5.6	-0.23	0.052
AY3-R 1	1	65	3.6	0.16	0.024
AG1-R 1	1	86	4.3	-0.26	0.066
BM3-RW8 0.5	0.5	690	36	-0.55	0.307
F1-L 1	1	98	4.8	-0.39	0.15
M1-L 3	3	56	3.3	0.33	0.11
B2-R 1	1	51	2.3	-0.40	0.16
AV2-R 2	2	150	7.5	-0.45	0.20
BC3-RW3 0.5	0.5	240	13	0.29	0.08
BP2-RW8 1	1	53	3.2	0.39	0.15
BL2-RW4 0.5	0.5	54	2.4	-0.46	0.21
BB1-L 1	1	100	4.8	-0.50	0.25
BI3-R 1	1	91	4.3	-0.52	0.27
AY1-R 4	4	72	3.3	-0.51	0.26
BN2-RW8 2	2	200	11	0.40	0.16
BP2-RW8 2	2	200	11	0.40	0.16
AD-MED 4	4	100	4.6	-0.70	0.49
AE2-R 6	6	260	13	-0.77	0.60
M1-L 1	1	260	13	-0.77	0.60
AU4-R 0.5	0.5	68	2.9	-0.70	0.49
E3-R 3	3	52	2.0	-0.75	0.57
A3-R 2	2	81	3.5	-0.79	0.63
AY3-R 0.5	0.5	66	2.7	-0.80	0.63
A3-R 1	1	120	7.1	0.74	0.55
AA3-R 0.5	0.5	140	6.5	-0.92	0.84
J1-R 0.5	0.5	340	17	-1.01	1.02
E3-R 4	4	64	2.5	-0.89	0.79
BO2-RW8 1	1	52	3.6	0.85	0.71
V1-R 2	2	71	4.6	0.84	0.70
V2-R 1	1	110	4.9	-0.93	0.86
AE2-R 2	2	71	2.8	-0.96	0.92
BA2-RW3 0.5	0.5	60	2.2	-0.98	0.96
S3-R 0.5	0.5	140	6.4	-1.02	1.03
Q1-L 1	1	66	2.5	-1.00	0.99
N1-R 0.5	0.5	200	9.5	-1.10	1.2
BN2-RW8 3	3	190	11	0.93	0.9
E3-R 6	6	52	3.8	1.05	1.1
BP2-RW8 0.5	0.5	76	2.9	-1.13	1.3
A3-R 3	3	110	6.9	1.07	1.2
BP2-RW8 4	4	69	2.5	-1.16	1.3
BML-RW7 2	2	50	1.5	-1.15	1.3
A1-R 0.5	0.5	250	12	-1.24	1.5
BE1-RW3 2	2	54	1.7	-1.16	1.3
BO2-RW8 2	2	100	4.1	-1.20	1.4
AI2-R 4	4	67	4.7	1.15	1.3
N1-R 1	1	130	5.6	-1.29	1.7
AB1-R 1	1	60	1.7	-1.48	2.2
BA1-RW3 1	1	81	2.8	-1.49	2.2
BO2-RW8 3	3	50	4.1	1.45	2.1
AU3-R 2	2	72	2.3	-1.51	2.3

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	Residual WET Lead (mg/l)	Squared Residual WET Lead (mg/l)
BD1-RW3 1	1	200	12	1.40	2.0
X1-RW2 0.5	0.5	220	10	-1.65	2.7
D2-R 0.5	0.5	57	1.3	-1.72	3.0
AW1-RAMP 0.5	0.5	63	5.1	1.76	3.1
M1-R 1	1	120	4.5	-1.86	3.4
BH1-R 1	1	56	4.8	1.83	3.4
A1-R 1	1	83	2.5	-1.90	3.6
BJ2-R 0.5	0.5	120	4.4	-1.96	3.8
B2-R 0.5	0.5	360	17	-2.07	4.3
I1-R 0.5	0.5	110	7.7	1.87	3.5
AS3-R 0.5	0.5	85	2.5	-2.00	4.0
A3-R 0.5	0.5	210	13	1.87	3.5
BB1-RW3 1	1	54	4.9	2.04	4.2
AU3-R 3	3	170	11	1.99	4.0
BM3-RW8 3	3	130	8.9	2.01	4.1
S3-R 1	1	57	0.90	-2.12	4.5
BL1-RW4 0.5	0.5	150	10	2.05	4.2
I3-R 6	6	83	2.2	-2.20	4.8
S2-R 1	1	270	12	-2.30	5.3
L2-R 1	1	130	4.6	-2.29	5.2
AU2-R 0.5	0.5	55	0.61	-2.30	5.3
AW1-R 0.5	0.5	130	4.5	-2.39	5.7
I2-R 6	6	55	0.53	-2.38	5.7
AO2-R 4	4	110	3.4	-2.43	5.9
BM2-RW8 2	2	84	6.8	2.35	5.5
A2-R 1	1	220	14	2.35	5.5
BN2-RW8 0.5	0.5	220	14	2.35	5.5
BE1-RW3 3	3	52	0.125	-2.63	6.9
AZ1-L 1	1	100	7.9	2.60	6.8
BC1-RW3 1	1	100	2.6	-2.70	7.3
AR1-R 0.5	0.5	99	2.5	-2.74	7.5
U2-R 1	1	270	17	2.70	7.3
C1-R 0.5	0.5	250	16	2.76	7.6
U2-R 0.5	0.5	250	16	2.76	7.6
BG3-RW3 0.5	0.5	160	5.5	-2.98	8.9
AU3-R 1	1	210	14	2.87	8.3
AA2-R 0.5	0.5	95	2.0	-3.03	9.2
AY2-R 0.5	0.5	100	8.3	3.00	9.0
V2-R 3	3	220	8.5	-3.15	10.0
BO2-RW8 4	4	170	12	2.99	9.0
C2-R-6	6	65	0.29	-3.15	9.9
AH2-R 3	3	90	1.6	-3.17	10.0
AG1-R 0.5	0.5	170	5.8	-3.21	10.3
AV2-R 4	4	70	0.52	-3.19	10
U1-R 3	3	73	0.65	-3.22	10.4
BN2-RW8 1	1	320	20	3.05	9.3
U2-R 2	2	220	8.2	-3.45	11.9
AF2-R 1	1	160	12	3.52	12.4
M1-R 0.5	0.5	160	12	3.52	12.4
J2-R 1	1	140	3.7	-3.72	13.8
Z-MED 3	3	280	11	-3.83	14.7
BH2-R 0.5	0.5	170	5.2	-3.81	14.5
E2-R 3	3	78	0.34	-3.79	14.4
BC1-RW3 0.5	0.5	110	9.7	3.87	15.0
AF2-R 0.5	0.5	360	23	3.93	15.4
W3-RW2 0.5	0.5	130	2.7	-4.19	17.5
AU3-R 0.5	0.5	69	7.8	4.14	17.2

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	Residual WET Lead (mg/l)	Squared Residual WET Lead (mg/l)
E1-R 0.5	0.5	110	10	4.17	17.4
AO1-R 0.5	0.5	110	10	4.17	17.4
BI2-R 0.5	0.5	310	12	-4.42	19.6
L1-R 0.5	0.5	240	17	4.29	18.4
AB1-R 2	2	210	6.6	-4.53	20.5
AE1-R 0.5	0.5	390	16	-4.66	21.7
C3-R 0.5	0.5	130	2.3	-4.59	21.0
AD2-R 0.5	0.5	180	14	4.46	19.9
V1-R 1	1	160	13	4.52	20.5
X1-RW2 2	2	160	3.8	-4.68	21.9
AU3-R 4	4	140	2.6	-4.82	23.2
AW2-RAMP 0.5	0.5	96	10	4.91	24.1
H1-R 0.5	0.5	400	16	-5.19	26.9
AB2-R 0.5	0.5	130	12	5.11	26.1
Y3-RW2 0.5	0.5	110	11	5.17	26.8
U1-R 0.5	0.5	290	10	-5.36	28.8
BN2-RW8 4	4	300	21	5.11	26.1
BM1-RW8 0.5	0.5	82	9.6	5.26	27.6
AM3-R 0.5	0.5	120	0.83	-5.53	30.5
P2-R 0.5	0.5	290	21	5.64	31.8
BP2-RW8 3	3	270	8.2	-6.10	37.3
A2-R 0.5	0.5	190	16	5.93	35.2
V2-R 0.5	0.5	360	25	5.93	35.1
AD-MED 3	3	130	13	6.11	37.4
AN-MED 4	4	120	0.125	-6.23	38.8
AA1-R 0.5	0.5	280	21	6.17	38.0
V1-R 0.5	0.5	180	16	6.46	41.8
AD1-R 1	1	1100	51	-7.27	52.9
R2-R 0.5	0.5	230	5.2	-6.98	48.8
H2-R 3	3	800	35	-7.38	54.5
O1-R 0.5	0.5	420	15	-7.25	52.6
BA1-L 1	1	220	19	7.35	54.0
AN-MED 3	3	150	0.35	-7.60	57.7
S2-R 0.5	0.5	100	13	7.70	59.3
AY1-R 0.5	0.5	190	1.9	-8.17	66.7
BD1-RW3 0.5	0.5	240	21	8.29	68.7
X2-RW2 0.5	0.5	240	4.0	-8.71	75.9
AE2-R 0.5	0.5	570	21	-9.20	84.6
BF1-RW3 3	3	180	0.125	-9.41	88.6
AV2-R 6	6	240	3.0	-9.71	94.4
M1-L 0.5	0.5	310	26	9.58	91.7
BM3-RW8 1	1	440	33	9.69	93.9
BO3-RW8 1	1	170	19	9.99	99.9
O3-R 0.5	0.5	480	36	10.57	111.8
N2-R 0.5	0.5	220	0.70	-10.95	120.0
BE3-RW3 1	1	220	0.69	-10.96	120.2
AF2-R 4	4	210	22	10.87	118.3
AZ2-RW3 0.5	0.5	260	25	11.23	126.0
U1-R 1	1	420	34	11.75	138.1
F1-L 0.5	0.5	320	4.4	-12.55	157.6
BM3-RW8 2	2	410	34	12.28	150.8
Q1-R 2	2	270	1.3	-13.00	169.1
AP1-R 0.5	0.5	270	1.2	-13.10	171.7
BM2-RW8 0.5	0.5	220	25	13.35	178.1
H2-R 0.5	0.5	160	22	13.52	182.9
K1-R 0.5	0.5	640	48	14.09	198.7
G2-R 0.5	0.5	320	1.3	-15.65	245.0

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	Residual WET Lead (mg/l)	Squared Residual WET Lead (mg/l)
W1-RW2 0.5	0.5	250	29	15.76	248.2
BO3-RW8 0.5	0.5	120	23	16.64	277.0
Not Used					
K3-R 0.5	0.5	410	2.8	-18.92	358.0
Q3-R 0.5	0.5	380	40	19.87	394.8
BM2-RW8 1	1	1100	37	-21.27	452.6
W2-RW2 0.5	0.5	150	32	24.05	578.6
L2-R 0.5	0.5	600	57	25.21	635.7





Sample Pop A-0.5	
Number of Valid Observations	35
Number of Distinct Observations	29
Minimum	2.5
Maximum	640
Mean	125.1
Median	37
SD	152.7
Variance	23304
Coefficient of Variation	1.22
Skewness	1.517
Mean of log data	3.754
SD of log data	1.714
90% Standard Bootstrap UCL	157.1
95% Standard Bootstrap UCL	166.5

Sample Pop B-0.5	
Number of Valid Observations	33
Number of Distinct Observations	26
Minimum	2.5
Maximum	400
Mean	80.42
Median	36
SD	102.6
Variance	10534
Coefficient of Variation	1.276
Skewness	1.711
Mean of log data	3.522
SD of log data	1.451
90% Standard Bootstrap UCL	103
95% Standard Bootstrap UCL	109.9

Sample Pop A-1	
Number of Valid Observations	35
Number of Distinct Observations	26
Minimum	2.5
Maximum	420
Mean	40.49
Median	19
SD	77.07
Variance	5940
Coefficient of Variation	1.903
Skewness	3.999
Mean of log data	2.824
SD of log data	1.272
90% Standard Bootstrap UCL	56.81
95% Standard Bootstrap UCL	61.11

Sample Pop B-1	
Number of Valid Observations	33
Number of Distinct Observations	26
Minimum	2.5
Maximum	1100
Mean	58.04
Median	12
SD	190.9
Variance	36436
Coefficient of Variation	3.289
Skewness	5.403
Mean of log data	2.618
SD of log data	1.402
90% Standard Bootstrap UCL	101.4
95% Standard Bootstrap UCL	113

Sample Pop A-2	
Number of Valid Observations	35
Number of Distinct Observations	25
Minimum	2.5
Maximum	270
Mean	18.39
Median	7.4
SD	45.04
Variance	2028
Coefficient of Variation	2.449
Skewness	5.43
Mean of log data	2.108
SD of log data	1.064
90% Standard Bootstrap UCL	28.27
95% Standard Bootstrap UCL	30.47

Sample Pop B-2	
Number of Valid Observations	31
Number of Distinct Observations	25
Minimum	2.5
Maximum	210
Mean	25.09
Median	9
SD	45.8
Variance	2098
Coefficient of Variation	1.825
Skewness	3.247
Mean of log data	2.4
SD of log data	1.164
90% Standard Bootstrap UCL	35.42
95% Standard Bootstrap UCL	38.47

Sample Pop A-3	
Number of Valid Observations	34
Number of Distinct Observations	23
Minimum	2.5
Maximum	180
Mean	14.54
Median	8.45
SD	31.63
Variance	1000
Coefficient of Variation	2.175
Skewness	4.794
Mean of log data	2.008
SD of log data	0.938
90% Standard Bootstrap UCL	21.35
95% Standard Bootstrap UCL	23.25

Sample Pop B-3	
Number of Valid Observations	29
Number of Distinct Observations	21
Minimum	2.5
Maximum	52
Mean	12.86
Median	9.7
SD	11.59
Variance	134.3
Coefficient of Variation	0.901
Skewness	1.93
Mean of log data	2.213
SD of log data	0.854
90% Standard Bootstrap UCL	15.56
95% Standard Bootstrap UCL	16.44

Sample Pop A-4	
Number of Valid Observations	34
Number of Distinct Observations	25
Minimum	2.5
Maximum	19
Mean	7.829
Median	7.2
SD	3.898
Variance	15.19
Coefficient of Variation	0.498
Skewness	0.765
Mean of log data	1.927
SD of log data	0.544
90% Standard Bootstrap UCL	8.68
95% Standard Bootstrap UCL	8.917

Sample Pop B-4	
Number of Valid Observations	26
Number of Distinct Observations	18
Minimum	2.5
Maximum	72
Mean	13.09
Median	10.15
SD	14.16
Variance	200.4
Coefficient of Variation	1.082
Skewness	3.296
Mean of log data	2.25
SD of log data	0.77
90% Standard Bootstrap UCL	16.54
95% Standard Bootstrap UCL	17.58

Sample Pop A-6

Sample Pop B-6

Number of Valid Observations	29
Number of Distinct Observations	22
Minimum	2.5
Maximum	48
Mean	11.9
Median	7.6
SD	10.47
Variance	109.7
Coefficient of Variation	0.88
Skewness	2.553
Mean of log data	2.239
SD of log data	0.656
90% Standard Bootstrap UCL	14.37
95% Standard Bootstrap UCL	15.05

Number of Valid Observations	25
Number of Distinct Observations	18
Minimum	2.5
Maximum	38
Mean	12.35
Median	10
SD	8.799
Variance	77.41
Coefficient of Variation	0.712
Skewness	1.684
Mean of log data	2.287
SD of log data	0.712
90% Standard Bootstrap UCL	14.55
95% Standard Bootstrap UCL	15.17

Sample Pop C-0.5	
Number of Valid Observations	28
Number of Distinct Observations	24
Minimum	2.5
Maximum	570
Mean	98.34
Median	38.5
SD	132.1
Variance	17458
Coefficient of Variation	1.344
Skewness	2.156
Mean of log data	3.815
SD of log data	1.3
90% Standard Bootstrap UCL	128.4
95% Standard Bootstrap UCL	138.1

Sample Pop D-0.5	
Number of Valid Observations	73
Number of Distinct Observations	54
Minimum	2.5
Maximum	690
Mean	128.7
Median	74
SD	150.3
Variance	22600
Coefficient of Variation	1.168
Skewness	1.803
Mean of log data	4.122
SD of log data	1.347
90% Standard Bootstrap UCL	151.4
95% Standard Bootstrap UCL	157.8

Sample Pop C-1	
Number of Valid Observations	28
Number of Distinct Observations	23
Minimum	2.5
Maximum	270
Mean	44.3
Median	17
SD	75.34
Variance	5677
Coefficient of Variation	1.701
Skewness	2.589
Mean of log data	3.003
SD of log data	1.153
90% Standard Bootstrap UCL	62.21
95% Standard Bootstrap UCL	66.86

Sample Pop D-1	
Number of Valid Observations	70
Number of Distinct Observations	57
Minimum	2.5
Maximum	1100
Mean	62.77
Median	16.5
SD	147.1
Variance	21649
Coefficient of Variation	2.344
Skewness	5.577
Mean of log data	3.132
SD of log data	1.265
90% Standard Bootstrap UCL	84.37
95% Standard Bootstrap UCL	91.08

Sample Pop C-2	
Number of Valid Observations	27
Number of Distinct Observations	22
Minimum	2.5
Maximum	220
Mean	28.64
Median	9.6
SD	47.33
Variance	2240
Coefficient of Variation	1.653
Skewness	3.065
Mean of log data	2.649
SD of log data	1.061
90% Standard Bootstrap UCL	40.19
95% Standard Bootstrap UCL	43.75

Sample Pop D-2	
Number of Valid Observations	66
Number of Distinct Observations	43
Minimum	2.5
Maximum	410
Mean	28.88
Median	11.5
SD	61.57
Variance	3790
Coefficient of Variation	2.132
Skewness	4.563
Mean of log data	2.547
SD of log data	1.096
90% Standard Bootstrap UCL	38.57
95% Standard Bootstrap UCL	41.15

Sample Pop C-3	
Number of Valid Observations	24
Number of Distinct Observations	21
Minimum	2.5
Maximum	78
Mean	16.55
Median	9.9
SD	16.91
Variance	285.9
Coefficient of Variation	1.021
Skewness	2.547
Mean of log data	2.457
SD of log data	0.829
90% Standard Bootstrap UCL	20.92
95% Standard Bootstrap UCL	22.04

Sample Pop D-3	
Number of Valid Observations	58
Number of Distinct Observations	40
Minimum	2.5
Maximum	800
Mean	43.45
Median	9.45
SD	115.8
Variance	13401
Coefficient of Variation	2.664
Skewness	5.321
Mean of log data	2.565
SD of log data	1.291
90% Standard Bootstrap UCL	62.56
95% Standard Bootstrap UCL	68.03

Sample Pop C-4	
Number of Valid Observations	24

Sample Pop D-4	
Number of Valid Observations	53

Number of Distinct Observations	18
Minimum	2.5
Maximum	170
Mean	19.26
Median	10
SD	34.55
Variance	1194
Coefficient of Variation	1.794
Skewness	4.026
Mean of log data	2.351
SD of log data	0.977
90% Standard Bootstrap UCL	28.34
95% Standard Bootstrap UCL	30.6

Number of Distinct Observations	38
Minimum	2.5
Maximum	300
Mean	27.46
Median	9.8
SD	53.22
Variance	2832
Coefficient of Variation	1.938
Skewness	3.741
Mean of log data	2.52
SD of log data	1.084
90% Standard Bootstrap UCL	36.48
95% Standard Bootstrap UCL	39.43

Sample Pop C-6	
Number of Valid Observations	22
Number of Distinct Observations	17
Minimum	2.5
Maximum	260
Mean	26.51
Median	10.5
SD	54.72
Variance	2995
Coefficient of Variation	2.064
Skewness	4.06
Mean of log data	2.475
SD of log data	1.105
90% Standard Bootstrap UCL	41.36
95% Standard Bootstrap UCL	44.75

Sample Pop D-6	
Number of Valid Observations	40
Number of Distinct Observations	30
Minimum	2.5
Maximum	240
Mean	18.64
Median	8.65
SD	38.94
Variance	1516
Coefficient of Variation	2.089
Skewness	5.083
Mean of log data	2.307
SD of log data	0.892
90% Standard Bootstrap UCL	26.33
95% Standard Bootstrap UCL	28.53

Sample Pop E-0.5	
Number of Valid Observations	18
Number of Distinct Observations	15
Minimum	2.5
Maximum	1300
Mean	264.7
Median	22.5
SD	435.6
Variance	189712
Coefficient of Variation	1.646
Skewness	1.741
Mean of log data	3.817
SD of log data	2.09
90% Standard Bootstrap UCL	393.4
95% Standard Bootstrap UCL	422.9

Sample Pop E-3	
Number of Valid Observations	51
Number of Distinct Observations	37
Minimum	2.5
Maximum	730
Mean	36.4
Median	7.6
SD	109.2
Variance	11930
Coefficient of Variation	3.001
Skewness	5.582
Mean of log data	2.43
SD of log data	1.187
90% Standard Bootstrap UCL	56.24
95% Standard Bootstrap UCL	61.39

Sample Pop E-1	
Number of Valid Observations	49
Number of Distinct Observations	26
Minimum	2.5
Maximum	1200
Mean	46.99
Median	4.3
SD	175.7
Variance	30880
Coefficient of Variation	3.739
Skewness	6.185
Mean of log data	2.082
SD of log data	1.483
90% Standard Bootstrap UCL	77.82
95% Standard Bootstrap UCL	87.22

Sample Pop E-4	
Number of Valid Observations	47
Number of Distinct Observations	30
Minimum	2.3
Maximum	120
Mean	13.6
Median	7.4
SD	21.57
Variance	465.1
Coefficient of Variation	1.585
Skewness	4.166
Mean of log data	2.138
SD of log data	0.847
90% Standard Bootstrap UCL	17.59
95% Standard Bootstrap UCL	18.62

Sample Pop E-2	
Number of Valid Observations	49
Number of Distinct Observations	30
Minimum	2.5
Maximum	50
Mean	9.135
Median	6.5
SD	9.539
Variance	90.99
Coefficient of Variation	1.044
Skewness	2.673
Mean of log data	1.855
SD of log data	0.811
90% Standard Bootstrap UCL	10.84
95% Standard Bootstrap UCL	11.36

Sample Pop E-6	
Number of Valid Observations	13
Number of Distinct Observations	10
Minimum	2.5
Maximum	560
Mean	53.06
Median	6.4
SD	152.6
Variance	23287
Coefficient of Variation	2.876
Skewness	3.582
Mean of log data	2.344
SD of log data	1.475
90% Standard Bootstrap UCL	106.4
95% Standard Bootstrap UCL	119

As-Shoulder	
Number of Valid Observations	179
Number of Distinct Observations	81
Minimum	0.5
Maximum	21
Mean	5.835
Median	5.8
SD	3.342
Variance	11.17
Coefficient of Variation	0.573
Skewness	0.571
Mean of log data	1.504
SD of log data	0.868
95% Standard Bootstrap UCL	6.235

Ba-Shoulder	
Number of Valid Observations	179
Number of Distinct Observations	65
Minimum	35
Maximum	830
Mean	114.1
Median	97
SD	80.61
Variance	6498
Coefficient of Variation	0.707
Skewness	5.545
Mean of log data	4.618
SD of log data	0.438
95% Standard Bootstrap UCL	124.2

Cd-Shoulder	
Number of Valid Observations	179
Number of Distinct Observations	8
Minimum	0.5
Maximum	4.5
Mean	0.557
Median	0.5
SD	0.36
Variance	0.13
Coefficient of Variation	0.647
Skewness	8.621
Mean of log data	-0.645
SD of log data	0.258
95% Standard Bootstrap UCL	0.601

Th-Shoulder	
Number of Valid Observations	179
Number of Distinct Observations	8
Minimum	0.5
Maximum	3.5
Mean	0.56
Median	0.5
SD	0.32
Variance	0.103
Coefficient of Variation	0.572
Skewness	6.563
Mean of log data	-0.638
SD of log data	0.267
95% Standard Bootstrap UCL	0.598

V-Shoulder	
Number of Valid Observations	179
Number of Distinct Observations	58
Minimum	14
Maximum	120
Mean	45.26
Median	42
SD	17.96
Variance	322.6
Coefficient of Variation	0.397
Skewness	1.876
Mean of log data	3.747
SD of log data	0.356
95% Standard Bootstrap UCL	47.44

As-Median	
Number of Valid Observations	91
Number of Distinct Observations	53
Minimum	0.5
Maximum	31
Mean	6.455
Median	5.3
SD	5.651
Variance	31.93
Coefficient of Variation	0.875
Skewness	2.193
Mean of log data	1.454
SD of log data	1.04
95% Standard Bootstrap UCL	7.448

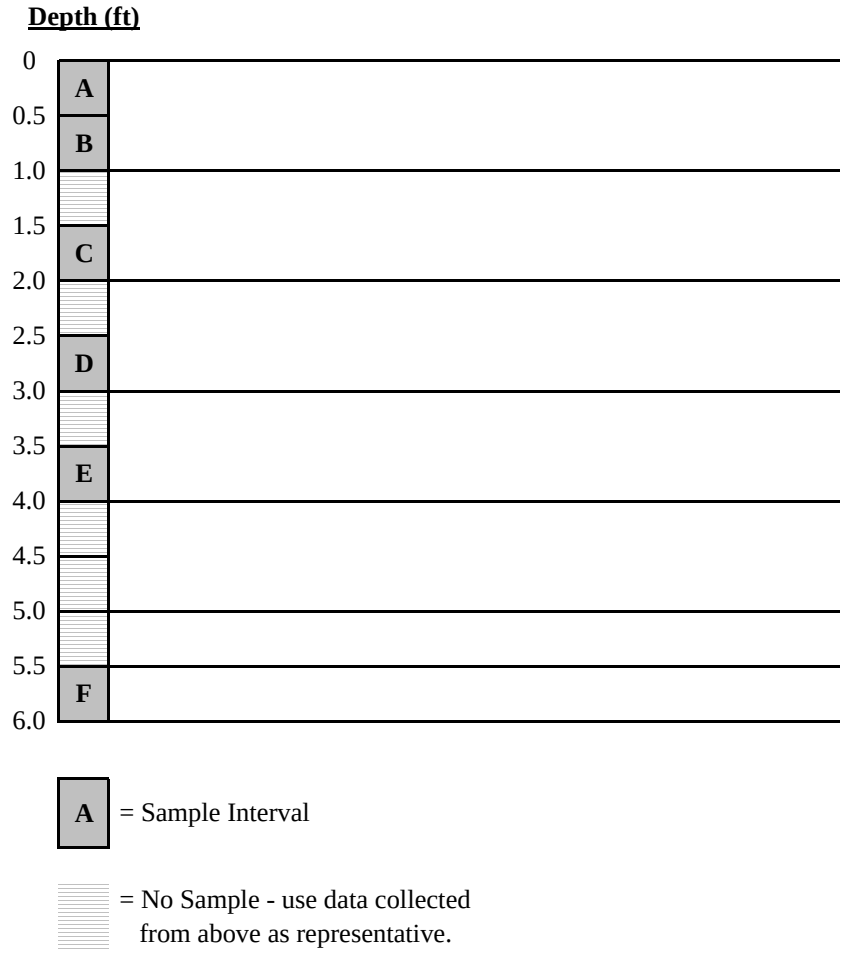
Co-Median	
Number of Valid Observations	91
Number of Distinct Observations	42
Minimum	3.6
Maximum	250
Mean	13.9
Median	9.6
SD	26.12
Variance	682.1
Coefficient of Variation	1.879
Skewness	8.513
Mean of log data	2.358
SD of log data	0.52
95% Standard Bootstrap UCL	18.6

Th-Median	
Number of Valid Observations	91
Number of Distinct Observations	5
Minimum	0.5
Maximum	1.3
Mean	0.544
Median	0.5
SD	0.169
Variance	0.0285
Coefficient of Variation	0.31
Skewness	3.728
Mean of log data	-0.638
SD of log data	0.212
95% Standard Bootstrap UCL	0.573

Hg-Median	
Number of Valid Observations	91
Number of Distinct Observations	21
Minimum	0.05
Maximum	3
Mean	0.182
Median	0.05
SD	0.405
Variance	0.164
Coefficient of Variation	2.231
Skewness	4.957
Mean of log data	-2.456
SD of log data	0.948
95% Standard Bootstrap UCL	0.253

V-Median	
Number of Valid Observations	91
Number of Distinct Observations	52
Minimum	16
Maximum	200
Mean	58.79
Median	44
SD	36.57
Variance	1338
Coefficient of Variation	0.622
Skewness	1.725
Mean of log data	3.923
SD of log data	0.533
95% Standard Bootstrap UCL	65.04

Excavation Scenario Calculations
Weighted Average Method



Weighted Average Method

0 to 0.5 ft	=	A
Underlying Soil (0.5 to 6.0 ft.)	=	(2/11)B + (2/11)C + (2/11)D + (4/11)E + (1/11)F
0 to 1.0 ft	=	(1/2)A + (1/2)B
Underlying Soil (1.0 to 6.0 ft)	=	(1/10)B + (2/10)C + (2/10)D + (4/10)E + (1/10)F
0 to 2.0 ft	=	(1/4)A + (2/4)B + (1/4)C
Underlying Soil (2.0 to 6.0 ft)	=	(1/8)C + (2/8)D + (4/8)E + (1/8)F
0 to 3.0 ft	=	(1/6)A + (2/6)B + (2/6)C + (1/6)D
Underlying Soil (3.0 to 6.0 ft)	=	(1/6)D + (4/6)E + (1/6)F
0 to 4.0 ft	=	(1/8)A + (2/8)B + (2/8)C + (2/8)D + (1/8)E
Underlying Soil (4.0 to 6.0 ft)	=	(3/4)E + (14/)F
0 to 5.0 ft	=	(1/10)A + (2/10)B + (2/10)C + (2/10)D + (3/10)E
Underlying Soil (5.0 to 6.0 ft)	=	(1/2)E + (1/2)F
0 to 6.0 ft	=	(1/12)A + (2/12)B + (2/12)C + (2/12)D + (4/12)E + (1/12)F