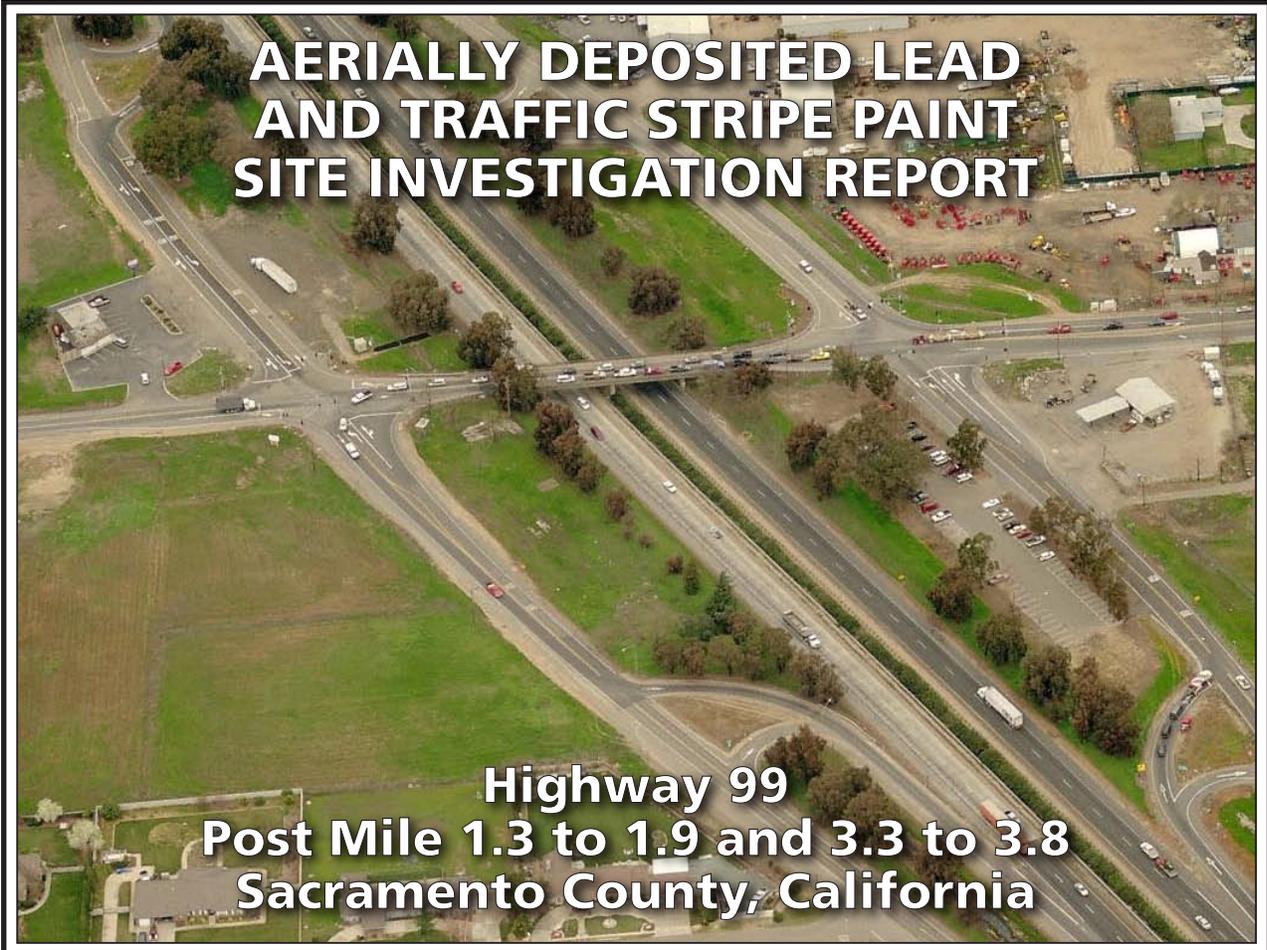


**FOR CONTRACT NO.: 03-1E6704**

**INFORMATION HANDOUT**  
**MATERIALS INFORMATION**

**AERIALY DEPOSITED LEAD AND TRAFFIC STRIPE PAINT SITE INVESTIGATION  
REPORT**

**ROUTE: 03-SAC-99-0.1/12.0**

An aerial photograph of a multi-lane highway (Highway 99) with several interchanges and overpasses. The highway is surrounded by green grass, trees, and some industrial or commercial buildings. The text is overlaid in white with a black outline.

# **AERIALY DEPOSITED LEAD AND TRAFFIC STRIPE PAINT SITE INVESTIGATION REPORT**

**Highway 99  
Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Sacramento County, California**

***PREPARED FOR:***

**CALIFORNIA DEPARTMENT OF TRANSPORTATION – DISTRICT 3  
ENVIRONMENTAL ENGINEERING OFFICE  
P.O. BOX 911  
MARYSVILLE, CALIFORNIA 95901**



***PREPARED BY:***

**GEOCON CONSULTANTS, INC.  
3160 GOLD VALLEY DRIVE, SUITE 800  
RANCHO CORDOVA, CALIFORNIA 95742**



**GEOCON PROJECT NO. S9300-06-132  
TASK ORDER NO. 132, EA NO. 03-1E6701**

**MAY 2010**



Project No. S9300-06-132  
May 13, 2010

Mr. Rajive Chadha  
California Department of Transportation – District 3  
Environmental Engineering Office  
P.O. Box 911  
Marysville, California 95901

Subject: HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
GALT, SACRAMENTO COUNTY, CALIFORNIA  
CONTRACT NO. 03A1368, TASK ORDER NO. 132, EA 03-1E6701  
AERIALY DEPOSITED LEAD AND TRAFFIC STRIPE PAINT  
SITE INVESTIGATION REPORT

Dear Mr. Chadha:

In accordance with California Department of Transportation (Caltrans) Contract No. 03A1368, Task Order Number 132, and Expense Authorization 03-1E6701, Geocon Consultants, Inc. has performed environmental engineering services for the subject project. The Site consists of Caltrans right-of-way along Highway 99 from Post Mile 1.3 to 1.9 and 3.3 to 3.8 in the City of Galt, Sacramento County, California. The accompanying report summarizes the services performed, including the advancement of 60 direct-push borings for shallow soil sampling, traffic stripe paint sampling, and laboratory testing.

*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.*

Please contact us if there are any questions concerning the contents of this report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

Gemma G. Reblando  
Project Geologist

John E. Juhrend, PE, CEG  
Project Manager



GGR:JEJ:krh

(3 + 3 CDs) Addressee

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- B. Laboratory Reports and Chain-of-custody Documentation
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# **AERIALLY DEPOSITED LEAD AND TRAFFIC STRIPE PAINT SITE INVESTIGATION REPORT**

## **1.0 INTRODUCTION**

This Aerially Deposited Lead (ADL) and Traffic Stripe Paint Site Investigation Report for Highway 99 (Hwy-99) Post Mile (PM) 1.3 to 1.9 and 3.3 to 3.8 project was prepared by Geocon Consultants, Inc. under California Department of Transportation (Caltrans) Contract No. 03A1368, Task Order (TO) Number 132, and Expense Authorization (EA) 03-1E6701.

### **1.1 Project Description and Proposed Improvements**

The project area consists of Caltrans right-of-way median along the southbound (SB) side of Hwy-99 from PM 1.3 to 1.9 and 3.3 to 3.8 (the Site) in the city of Galt, Sacramento County, California. Caltrans proposes roadway widening improvements which will include shallow soil excavation. The approximate project location is depicted on the Vicinity Map, Figure 1, and Site Plans, Figures 2-1, 2-2, 3-1 and 3-2.

### **1.2 General Objectives**

The purpose of the scope of services outlined in TO No. 132 was to evaluate whether impacts due to ADL from motor vehicle exhaust exist in the surface and near surface soils within the project boundaries and to determine whether the yellow traffic stripe paint on the roadway contains lead. The investigative results will be used by Caltrans to inform the construction contractor(s) if lead-impacted soil and lead-containing traffic stripe paint are present within the project boundaries for construction worker health and safety, soil reuse evaluation and waste management/disposal purposes.

## **2.0 BACKGROUND**

### **2.1 Potential Lead Soil Impacts**

Ongoing testing by Caltrans throughout California has indicated that ADL exists along major freeway routes due to emissions from vehicles powered by leaded gasoline.

### **2.2 Hazardous Waste Determination Criteria**

Regulatory criteria to classify a waste as "California hazardous" for handling and disposal purposes are contained in the California Code of Regulations (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 may have 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 TTLC value for lead is 1,000 milligrams per kilogram (mg/kg). The STLC and TCLP values for lead are both 5.0 milligrams per liter (mg/l).

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 corrosivity. Waste that is classified as either California-hazardous or RCRA-hazardous requires management as a hazardous waste.

The Department of Toxic Substances Control (DTSC) regulates and interprets hazardous waste laws in California. DTSC generally considers excavated or transported materials that exhibit "hazardous waste" characteristics to be a "waste" requiring proper management, treatment and disposal. Soil that contains lead above hazardous waste thresholds and is left in-place would not be necessarily classified by DTSC as a "waste." The DTSC has provided site-specific determinations that "movement of wastes within an area of contamination does not constitute "land disposal" and, thus, does not trigger hazardous waste disposal requirements." Therefore, lead-impacted soil that is scarified in-place, moisture-conditioned, and recompacted during roadway improvement activities might not be considered a "waste." DTSC should be consulted to confirm waste classification. It is noted that in addition to DTSC regulations, health and safety requirements and other local agency requirements may also apply to the handling and disposal of lead-impacted soil.

### **2.3 DTSC Variance**

The DTSC issued a statewide Variance effective July 1, 2009, regarding the reuse 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 Z3).

ADL soil reused under the Variance must always be at least 5.0 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 Z2). A copy of the DTSC Variance is presented in Appendix A.

**Caltrans Type Y1**

ADL soil exhibiting a total lead concentration less than or equal to 1,411 mg/kg, a soluble lead concentration (based on a modified WET using deionized water as the extractant [DI-WET]) less than or equal to 1.5 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 Y2**

ADL soil exhibiting a total lead concentration less than or equal to 1,411 mg/kg, a DI-WET soluble 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 soluble 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 (using deionized water as the extractant) soluble 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 Z2**

ADL soil exhibiting a total lead concentration greater than 3,397 mg/kg, a DI-WET soluble 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.

### **Caltrans Type Z3**

ADL soil exhibiting a TCLP soluble lead concentration greater than or equal to 5.0 mg/l is not eligible for reuse under the Variance and must be disposed of as a RCRA hazardous waste.

#### **2.4 Potential Lead-containing Traffic Stripe Paint**

Traffic stripe paint used by Caltrans may contain lead-chromate. The presence of elevated levels of metals requires sampling and analytical testing of the paint stripe materials to determine appropriate health and safety procedures and proper management and disposal practices. Disposal of removed traffic stripe paint materials is dependent on the method utilized to remove these materials (i.e. focused stripe removal vs. pavement grinding).

### **3.0 SCOPE OF SERVICES**

We performed the following scope of services as requested by Caltrans in TO No. 132:

#### **3.1 Pre-field Activities**

- Conducted a pre-work site visit on April 29, 2010, to discuss the TO scope of services. Caltrans TO Manager Rajive Chadha and Geocon representative Mike O'Brien attended the meeting. The purpose of the pre-work site visit was to identify and observe the project boundaries and conditions. The project limits were further outlined in white paint for subsequent utility clearance.
- Utilized the *Health and Safety Plan* from a previous task order (TO No. 127, Caltrans Contract 03A1368) dated April 6, 2010, to provide guidelines on the use of personal protective equipment during the field activities.
- Provided 48-hour notification to Underground Service Alert (Ticket Numbers 117431 and 117451) prior to job site mobilization.
- Retained the services of Advanced Technology Laboratories (ATL) to perform the chemical analysis of soil and traffic stripe paint samples.

#### **3.2 Field Activities**

The field activities consisted of collecting soil samples along the median of Hwy-99. On May 3, 2010, 240 soil samples were collected from 60 direct-push borings at the Caltrans designated soil sampling locations. The soil borings were excavated to an approximate maximum sampling depth of 3.0 feet along the unpaved median of Hwy-99 approximately 3.0 to 5.0 feet from the SB edge of pavement (EOP). The soil samples were collected at general depth intervals of 0.0 to 0.5 foot, 0.5 to 1.0 foot, 1.0 to 2.0 feet and 2.0 to 3.0 feet.

We also collected four yellow traffic stripe paint samples (PC1 through PC4) at the Caltrans designated sampling locations.

## 4.0 INVESTIGATIVE METHODS

### 4.1 Boring and Paint Sample Location Rationale

The soil boring locations were designated by Caltrans in the vicinity of proposed improvements. Borings B1 through B30 were located along the unpaved median on the SB side of Hwy-99 from PM 3.3 to 3.8. Borings B31 through B60 were located along the unpaved median on the SB side of Hwy-99 from PM 1.3 to 1.9. The borings were generally spaced at approximate 100-foot intervals. The approximate soil boring locations are depicted on Figures 2-1, 2-2, 3-1 and 3-2.

Yellow traffic stripe paint samples (PC1 through PC4) were collected at locations designated by Caltrans within the proposed construction area. The approximate paint sample locations are depicted on Figures 2-1, 2-2 and 3-1.

The coordinates of each boring location except B47 and B50 were determined using a differential global positioning system (GPS). The coordinates for borings B47 and B50 could not be obtained due to interference with satellite connections from overhead structures. The GPS was utilized during the field activities to locate the horizontal position of each location with an error of no more than 3.3 feet. The latitude and longitude of the boring locations are summarized in Table 1.

### 4.2 Soil Sampling Procedures

A total of 240 soil samples were collected from 60 direct-push borings excavated at the Site. Soil samples were collected in cellulose thermoplastic (acetate) liners driven by the direct-push rig. The acetate liners were cut open and the sample from a particular interval was transferred to a Ziploc<sup>®</sup> re-sealable plastic bag. The soil samples were field homogenized within the sample bags and subsequently labeled, placed in an ice chest, and delivered to ATL for analytical testing under chain-of-custody (COC) documentation.

Quality assurance/quality control (QA/QC) procedures were performed during the field exploration activities. These procedures included decontamination of sampling equipment before each boring was advanced and providing COC documentation for each sample submitted to the laboratory. The soil sampling equipment was cleansed between each boring by washing the equipment with an Alconox<sup>™</sup> solution followed by a double rinse with deionized water. The field sampling activities were performed under the supervision of Geocon's field manager.

The direct-push borings were backfilled with the excess soil cuttings. The decontamination water was discharged to the ground surface away from surface water bodies or storm drain inlets.

### **4.3 Traffic Control**

Caltrans provided traffic control, including the use of an attenuator truck, based on the proximity of the work zone with respect to the active traffic lanes.

### **4.4 Laboratory Analyses**

The soil samples collected within the project boundaries were submitted to ATL for the following analyses under expedited turn-around-time (TAT). The laboratory was instructed to homogenize the soil samples prior to analysis in accordance with Contract 03A1368 requirements.

- Two hundred forty soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B under 48-hour TAT.
- Four traffic stripe paint samples were analyzed for total lead following EPA Test Method 6010B under 48-hour TAT.
- Fifty-four soil samples were further analyzed for WET soluble lead following EPA Test Method 7420 under 72-hour TAT.
- Thirty-five soil samples were further analyzed for DI-WET soluble lead following EPA Test Method 7420 under 72-hour TAT.
- Ten soil samples were analyzed for TCLP soluble lead following EPA Test Methods 1311 and 7420 under 72-hour TAT.
- Twenty soil samples were analyzed for soil pH following EPA Test Method 9045 under 72-hour TAT.

### **4.5 Quality Assurance/Quality Control**

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 the spike made at ten times the reporting limit or at the analyte level.

Prior to submitting the soil samples to the laboratory, the COC documentation was reviewed for accuracy and completeness. Reproductions of the laboratory reports and COC documentation are presented in Appendix B.

## **5.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS**

### **5.1 Soil Conditions**

Soil encountered during the excavation of borings was generally comprised of sandy clay and stiff silty clay to the maximum sampling depth of approximately 3.0 feet. Groundwater was not encountered in the soil borings.

### **5.2 ADL Soil Analytical Results**

Total lead was detected in 182 of the 240 soil samples collected at concentrations ranging from 5.0 to 1,000 mg/kg. Fifty-four of the 240 soil samples had reported total lead concentrations greater than or equal to 50 mg/kg (ten times the STLC value for lead of 5.0 mg/l) and were further analyzed for WET soluble lead. Thirty-five of the 240 soil samples had reported total lead concentrations greater than or equal to 100 mg/kg and were further analyzed for DI-WET soluble lead per Caltrans' direction.

WET soluble lead was reported for each of the 54 soil samples analyzed at concentrations ranging from 0.84 to 39 mg/l. Forty-three of the 54 soil samples had WET soluble lead concentrations greater than the STLC value for lead of 5.0 mg/l. DI-WET soluble lead was not reported at concentrations exceeding the laboratory reporting limit for each of the 35 soil samples analyzed.

TCLP soluble lead was reported for six of the ten soil samples analyzed at concentrations ranging from 0.25 to 0.53 mg/l.

Soil pH values ranged from 5.3 to 8.2.

A summary of the soil analytical results are presented in Table 1. The laboratory reports and COC documentation are presented in Appendix B.

### **5.3 Paint Sample Analytical Results**

Total lead was reported for each of the yellow traffic stripe paint samples at concentrations ranging from 49 to 530 mg/kg.

WET soluble lead was reported for each of the three traffic stripe paint samples analyzed at concentrations of 2.3, 2.4 and 1.3 mg/l.

The analytical results of the paint samples are summarized on Table 2. Laboratory reports and COC documentation are presented in Appendix B.

## 5.4 Laboratory QA/QC

We reviewed the laboratory QA/QC provided with the laboratory reports. Duplicates, matrix spikes, and matrix spike duplicates were outside criteria for several samples. However, the analytical batch was validated by the Laboratory Control Sample. Based on the laboratory QA/QC data, no additional qualification of the data presented herein is necessary, and the data are of sufficient quality for the purposes of this report.

## 5.5 Statistical Evaluation for Lead Detected in Soil Samples

The total lead data for the samples collected from the Site were separated into two sample populations for statistical evaluation as described below:

- Sample population 'A' consists of soil samples collected from borings B1 through B30 located along the median of SB Hwy-99 from PM 3.3 to 3.8.
- Sample population 'B' consists of soil samples collected from borings B31 through B60 located along the median of SB Hwy-99 from PM 1.3 to 1.9.

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 soluble lead concentrations based on calculated UCLs. The statistical methods used are discussed in a book entitled *Statistical Methods for Environmental Pollution Monitoring*, by Richard Gilbert; in an EPA *Technology Support Center Issue* document entitled, *The Lognormal Distribution in Environmental Applications*, by Ashok Singh et. al., dated December 1997; and in a book entitled *An Introduction to the Bootstrap*, by Bradley Efron and Robert J. Tibshirani.

### **5.5.1 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 used to calculate the UCLs are discussed in the previously referenced EPA document and in *An Introduction to the Bootstrap*. For those samples in which total lead was not detected at concentrations exceeding the laboratory reporting limit, a value equal to one-half of the reporting limit was used in the UCL calculation. The bootstrap results are presented in Appendix C. The calculated UCLs and statistical results are summarized in the following tables:

**Sample Population ‘A’ – Hwy-99 Median PM 3.3 to 3.8  
Borings B1 through B30**

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	MINIMUM VALUE (mg/kg)	MAXIMUM VALUE (mg/kg)
0.0 to 0.5	181.3	193.8	137.6	2.5	1,000
0.5 to 1.0	59.8	65.6	37.9	2.5	440
1.0 to 2.0	10.7	11.1	9.1	2.5	27
2.0 to 3.0	25.0	27.2	16.9	2.5	180

The total lead mean for Sample Population “A” as a whole is 50.4 mg/kg.

**Sample Population ‘B’ - Hwy-99 Median PM 1.3 to 1.9  
Borings B31 through B60**

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	MINIMUM VALUE (mg/kg)	MAXIMUM VALUE (mg/kg)
0.0 to 0.5	121.9	126.5	102.4	2.5	340
0.5 to 1.0	29.3	31.6	22.2	2.5	130
1.0 to 2.0	8.2	8.7	6.7	2.5	29
2.0 to 3.0	9.7	10.4	6.8	2.5	67

The total lead mean for Sample Population “B” as a whole is 34.5 mg/kg.

**5.5.2 Correlation of Total and Soluble Lead**

Total and corresponding WET soluble lead concentrations are bivariate data with a linear structure. This linear structure should allow for the prediction of WET soluble lead concentrations based on the UCLs calculated above in Section 5.5.1.

To estimate the degree of interrelation between total and corresponding WET soluble 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 54 (x, y) data points (i.e., soil samples analyzed for both total lead [x] and WET soluble lead [y]) and equaled 0.1626. A *correlation coefficient* greater than or equal to 0.8 is an acceptable indicator that a correlation exists. Consequently, an acceptable correlation between total and soluble lead concentrations could not be established for all data points since the *correlation coefficient* is less than 0.8. To achieve an acceptable correlation, the total and WET soluble lead data from six of the 54 data points with the highest residual WET lead values were excluded from the regression analysis (presented in Appendix C). Consequently, excluding these data points from the regression yields a *correlation coefficient* of 0.8.

For the *correlation coefficient* that indicates a linear relationship between total and WET soluble 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  $y = 0.0449(x)$ , where  $x$  represents total lead concentrations and  $y$  represents predicted WET soluble lead concentrations.

This equation was used to estimate the expected WET soluble lead concentrations for the UCLs calculated in Section 5.5.1. Regression analysis results and a scatter plot depicting the (x, y) data points along with the regression line are presented in Appendix C. The 90% and 95 % UCL-predicted WET soluble lead concentrations are summarized in Section 6.0.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Hazardous waste classification based on the 90% UCL is considered sufficient to satisfy a good faith effort as discussed in SW-846. Risk assessment characterization is typically based on the 95% UCL in accordance with the Risk Assessment Guidance for Superfund (RAGS) Volume 1 Documentation for Exposure Assessment. Per Caltrans, 90% UCLs are to be used to evaluate onsite reuse, and 95% UCLs are to be used to evaluate offsite reuse or disposal. In addition, the reuse of excavated soil was evaluated, as applicable, based on the DTSC requirements for the statewide Variance.

Based on the TCLP soluble lead results of less than 5.0 mg/l, soil generated at the Site will not require disposal as a RCRA hazardous waste. If soil within the project limits is scarified in-place, moisture-conditioned, and recompacted during roadway improvement activities, it may not be considered a “waste”.

### 6.1 Sample Population ‘A’ – Hwy-99 Median PM 3.3 to 3.8 (B1 through B30)

The table below summarizes the excavation scenarios, the UCL-predicted WET soluble lead calculations and the waste classification for excavated soil along this segment of the Hwy-99 median based on the calculated total lead UCLs and the relationship between total and WET soluble lead.

Excavation Depth	90% UCL Total Lead (mg/kg)	90% UCL Predicted WET Lead (mg/l)	95% UCL Total Lead (mg/kg)	95% UCL Predicted WET Lead (mg/l)	Waste Classification
0.0 to 0.5 foot	181.3	8.1	193.8	8.7	Hazardous
<i>Underlying soil (0.5 to 3.0 feet)</i>	26.2	1.2	28.4	1.3	Non-hazardous
0.0 to 1.0 foot	120.6	5.4	129.7	5.8	Hazardous
<i>Underlying soil (1.0 to 3.0 feet)</i>	17.9	0.8	19.2	0.9	Non-hazardous
0.0 to 2.0 feet	65.6	2.9	70.4	3.2	Non-hazardous
<i>Underlying soil (2.0 to 3.0 feet)</i>	25.0	1.1	27.2	1.2	Non-hazardous
0.0 to 3.0 feet	52.1	2.3	56.0	2.5	Non-hazardous

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal  
 Predicted WET lead concentrations were calculated using the equation of the regression line:  $y = 0.0449x$

Per Caltrans design personnel, it is our understanding that excavation as a whole to 2.7 feet (full depth excavation) will occur per the roadway improvement contract specifications.

Based on the data presented in the table above, if the top 2.0 to 3.0 feet of soil is excavated and managed as a whole, then soil generated from the top 2.0 to 3.0 feet would not be classified as a California-hazardous waste since the 90% and 95% UCL-predicted WET soluble lead concentrations are less than

the STLC value for lead of 5.0 mg/l. Consequently, the top 2.0 to 3.0 feet of excavated soil could be reused, relinquished to the contractor, or disposed of as non-hazardous soil with respect to lead content.

## 6.2 Sample Population ‘B’ – Hwy-99 Median PM 1.3 to 1.9 (B31 through B60)

The table below summarizes the excavation scenarios, the UCL-predicted WET soluble lead calculations and the waste classification for excavated soil along this segment of the Hwy-99 median based on the calculated total lead UCLs and the relationship between total and WET soluble lead.

<b>Excavation Depth</b>	<b>90% UCL Total Lead (mg/kg)</b>	<b>90% UCL Predicted WET Lead (mg/l)</b>	<b>95% UCL Total Lead (mg/kg)</b>	<b>95% UCL Predicted WET Lead (mg/l)</b>	<b>Waste Classification</b>
0.0 to 0.5 foot	121.9	5.5	126.5	5.7	<b>Hazardous</b>
<i>Underlying soil (0.5 to 3.0 feet)</i>	<i>13.0</i>	<i>0.6</i>	<i>14.0</i>	<i>0.6</i>	<i>Non-hazardous</i>
0.0 to 1.0 foot	75.6	3.4	79.1	3.5	Non-hazardous
<i>Underlying soil (1.0 to 3.0 feet)</i>	<i>9.0</i>	<i>0.4</i>	<i>9.6</i>	<i>0.4</i>	<i>Non-hazardous</i>
0.0 to 2.0 feet	41.9	1.9	43.9	2.0	Non-hazardous
<i>Underlying soil (2.0 to 3.0 feet)</i>	<i>9.7</i>	<i>0.4</i>	<i>10.4</i>	<i>0.5</i>	<i>Non-hazardous</i>
0.0 to 3.0 feet	31.2	1.4	32.7	1.5	Non-hazardous

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal  
 Predicted WET lead concentrations were calculated using the equation of the regression line:  $y = 0.0449x$

Per Caltrans design personnel, it is our understanding that excavation as a whole to 2.7 feet (full depth excavation) will occur per the roadway improvement contract specifications.

Based on the data presented in the table above, if the top 1.0 to 3.0 feet of soil is excavated and managed as a whole, then soil generated from the top 1.0 to 3.0 feet would not be classified as a California-hazardous waste since the 90% and 95% UCL-predicted WET soluble lead concentrations are less than the STLC value for lead of 5.0 mg/l. Consequently, the top 1.0 to 3.0 feet of excavated soil could be reused, relinquished to the contractor, or disposed of as non-hazardous soil with respect to lead content.

## 6.3 Traffic Stripe Paint Waste Classification/Disposal

The yellow traffic stripe paint was sampled per Caltrans’ request since it may be removed from the underlying asphalt concrete by grinding or sand blasting, which would create a paint waste stream. The analytical results of the traffic stripe paint will be used by Caltrans to provide contractors with preliminary analytical data of the yellow traffic stripe paint.

Total lead was detected in the yellow traffic stripe paint samples at concentrations up to 530 mg/kg, less than the TTLC value for lead of 1,000 mg/kg. WET soluble lead was detected in the three yellow traffic stripe paint samples analyzed at concentrations up to 2.4 mg/l. Waste streams containing yellow traffic stripe paints generated at the Site would not be classified as a California hazardous waste since the WET soluble lead concentrations are less than the STLC value for lead of 5.0 mg/l and may be disposed of as a non-hazardous waste with respect to lead content.

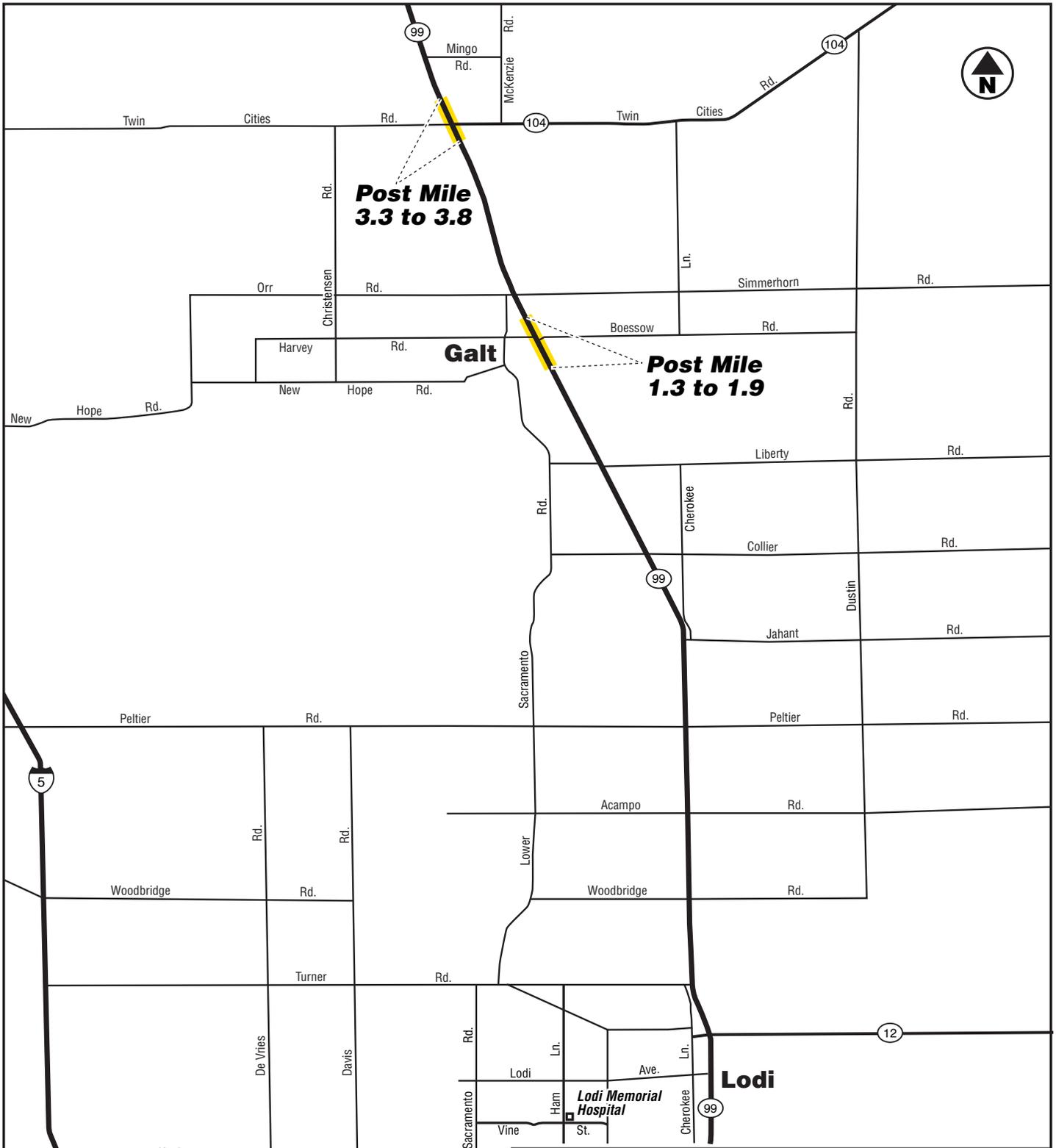
#### **6.4 Worker Protection**

Per Caltrans' requirements, the contractor(s) should prepare a project-specific Lead Compliance Plan (CCR Title 8, Section 1532.1, the "Lead in Construction" standard) to minimize worker exposure to lead-impacted soil and lead-impacted traffic stripe paint since material at the Site contains lead. According to Caltrans, removal of the traffic stripe paint may produce toxic waste materials. The plan should include protocols for environmental and personnel monitoring and other health and safety protocols and procedures for the handling of lead-impacted soil and lead-impacted traffic stripe paint. The plan should include a discussion of the constituents of concern, routes of exposure, permissible exposure limits, and personal protective measures. The plan should be reviewed and signed by the onsite construction workers prior to any field activities. We also recommend that contractors on the Site grinding asphalt which has been coated with yellow traffic stripe paint prepare a dust control plan. The dust control plan should include dust mitigation and monitoring procedures.

## **7.0 REPORT LIMITATIONS**

This report has been prepared exclusively for Caltrans. 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. We 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.



**GEOCON**  
CONSULTANTS, INC.

3160 GOLD VALLEY DR. - SUITE 800 - RANCHO CORDOVA, CA. 95742  
PHONE 916 852-9118 - FAX 916 852-9132

Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8

Galt, Sacramento County,  
California

**VICINITY MAP**

GEOCON Proj. No. S9300-06-132

Task Order No. 132, EA 03-1E6701

May 2010

Figure 1



Match Line (See Figure 2-2)

LEGEND:

- B1** ⊗ Approximate Direct-Push Boring Location
- PC1** ▲ Approximate Traffic Stripe Paint Sample Location



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Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8	
Galt, Sacramento County, California	<b>SITE PLAN</b> <b>PM 1.3 to 1.9</b>
GEOCON Proj. No. S9300-06-132	
Task Order No. 132, EA 03-1E6701	May 2010
	Figure 2-1



SIMMERHORN RD OC(24-138)  
 GALT UNDERPASS (24-60)  
 AMADOR AVE OC (24-139)



Match Line (See Figure 2-1)

LEGEND:

- B1 ⊗ Approximate Direct-Push Boring Location
- PC1 ▲ Approximate Traffic Stripe Paint Sample Location

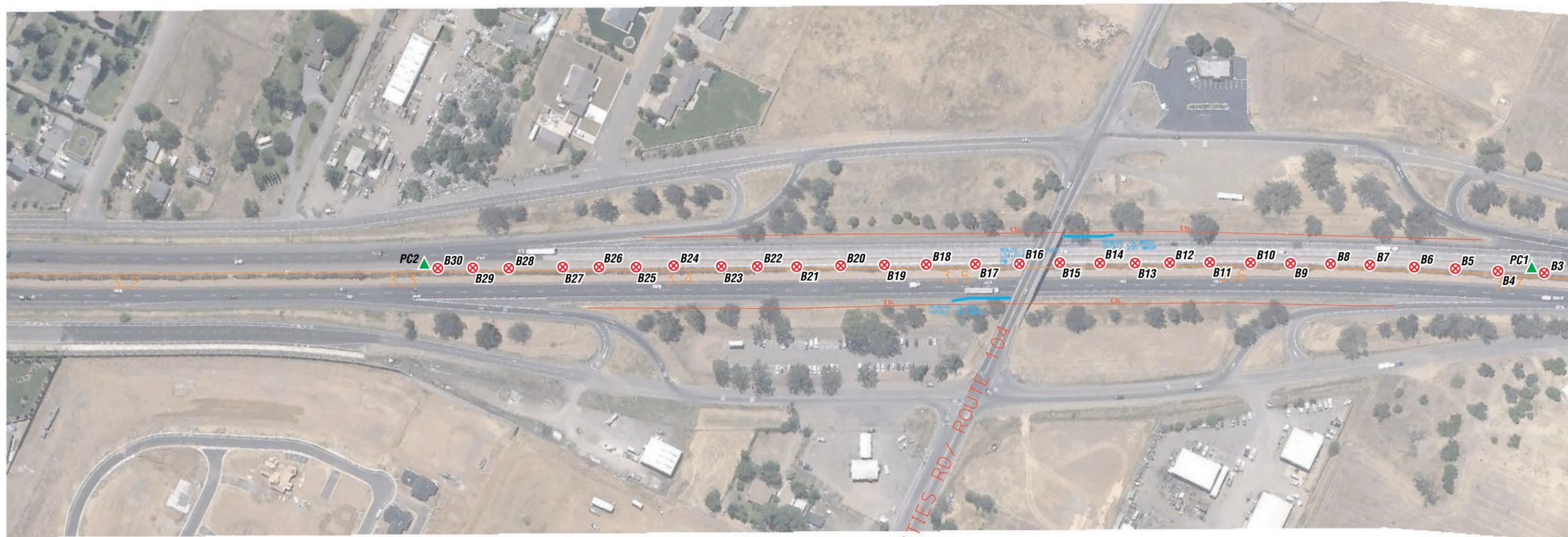


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 PHONE 916 852-9118 - FAX 916 852-9132

Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8		
Galt, Sacramento County, California		<b>SITE PLAN</b> <b>PM 1.3 to 1.9</b>
GEOCON Proj. No. S9300-06-132		
Task Order No. 132, EA 03-1E6701	May 2010	Figure 2-2



RTE 104/99 SEP (24-144)



Match Line (See Figure 2-4)

TWIN CITIES RD / ROUTE 104

- LEGEND:
- B1 ⊗ Approximate Direct-Push Boring Location
  - PC1 ▲ Approximate Traffic Stripe Paint Sample Location



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3160 GOLD VALLEY DR. - SUITE 800 - RANCHO CORDOVA, CA. 95742  
PHONE 916 852-9118 - FAX 916 852-9132

Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8	
Galt, Sacramento County, California	<b>SITE PLAN</b> <b>PM 3.3 to 3.8</b>
GEOCON Proj. No. S9300-06-132	
Task Order No. 132, EA 03-1E6701	May 2010
	Figure 3-1



Match Line (See Figure 2-3)

LEGEND:

B1 ⊗ Approximate Direct-Push Boring Location



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Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8

Galt, Sacramento County,  
California

**SITE PLAN**  
**PM 3.3 to 3.8**

GEOCON Proj. No. S9300-06-132

Task Order No. 132, EA 03-1E6701

May 2010

Figure 3-2

TABLE I  
 SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS  
 EA 03-1E6701  
 HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
 GALT, SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD/(TCLP) (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
<b>HIGHWAY 99 POST MILE 3.3 TO 3.8</b>							
B1-0	5/3/2010	38.293955883	-121.314016174	120	<b>7.8</b>	<0.25	---
B1-0.5	5/3/2010			13	---	---	---
B1-1	5/3/2010			17	---	---	---
B1-2	5/3/2010			12	---	---	---
B2-0	5/3/2010	38.293743237	-121.313909909	73	<b>5.6</b>	---	---
B2-0.5	5/3/2010			7.5	---	---	---
B2-1	5/3/2010			15	---	---	---
B2-2	5/3/2010			6.6	---	---	---
B3-0	5/3/2010	38.293531122	-121.313803917	72	<b>5.7</b>	---	---
B3-0.5	5/3/2010			24	---	---	---
B3-1	5/3/2010			6.3	---	---	---
B3-2	5/3/2010			21	---	---	---
B4-0	5/3/2010	38.293332793	-121.313700666	410	<b>14 (0.33)</b>	<0.25	7.9
B4-0.5	5/3/2010			14	---	---	---
B4-1	5/3/2010			5.1	---	---	---
B4-2	5/3/2010			8.6	---	---	---
B5-0	5/3/2010	38.293132993	-121.313589844	280	<b>11 (0.25)</b>	<0.25	8.1
B5-0.5	5/3/2010			6.8	---	---	---
B5-1	5/3/2010			6.1	---	---	---
B5-2	5/3/2010			5.7	---	---	---
B6-0	5/3/2010	38.292925909	-121.313475237	140	3.8	<0.25	---
B6-0.5	5/3/2010			16	---	---	---
B6-1	5/3/2010			<5.0	---	---	---
B6-2	5/3/2010			<5.0	---	---	---
B7-0	5/3/2010	38.292716122	-121.313360107	5.4	---	---	---
B7-0.5	5/3/2010			<5.0	---	---	---
B7-1	5/3/2010			5.4	---	---	---
B7-2	5/3/2010			77	<b>6.5</b>	---	---
B8-0	5/3/2010	38.292521297	-121.313245908	42	---	---	---
B8-0.5	5/3/2010			5.4	---	---	---
B8-1	5/3/2010			5.6	---	---	---
B8-2	5/3/2010			5.1	---	---	---
B9-0	5/3/2010	38.292317031	-121.313127516	<5.0	---	---	---
B9-0.5	5/3/2010			5.4	---	---	---
B9-1	5/3/2010			8.5	---	---	---
B9-2	5/3/2010			18	---	---	---
B10-0	5/3/2010	38.292119359	-121.313008866	130	<b>7.5</b>	<0.25	---
B10-0.5	5/3/2010			9.0	---	---	---

TABLE 1  
 SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS  
 EA 03-1E6701  
 HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
 GALT, SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD/(TCLP) (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
B10-1	5/3/2010			<5.0	---	---	---
B10-2	5/3/2010			6.0	---	---	---
B11-0	5/3/2010	38.291920631	-121.312885706	120	<b>8.0</b>	<0.25	---
B11-0.5	5/3/2010			8.3	---	---	---
B11-1	5/3/2010			5.5	---	---	---
B11-2	5/3/2010			5.2	---	---	---
B12-0	5/3/2010	38.291720292	-121.312757716	150	<b>8.7</b>	<0.25	---
B12-0.5	5/3/2010			7.1	---	---	---
B12-1	5/3/2010			5.7	---	---	---
B12-2	5/3/2010			6.6	---	---	---
B13-0	5/3/2010	38.291528871	-121.312637845	160	<b>8.9</b>	<0.25	---
B13-0.5	5/3/2010			11	---	---	---
B13-1	5/3/2010			17	---	---	---
B13-2	5/3/2010			<5.0	---	---	---
B14-0	5/3/2010	38.291327292	-121.312508857	<5.0	---	---	---
B14-0.5	5/3/2010			<5.0	---	---	---
B14-1	5/3/2010			5.6	---	---	---
B14-2	5/3/2010			180	<b>5.5</b>	<0.25	7.7
B15-0	5/3/2010	38.291156663	-121.312404414	5.8	---	---	---
B15-0.5	5/3/2010			6.1	---	---	---
B15-1	5/3/2010			6.3	---	---	---
B15-2	5/3/2010			65	3.1	---	---
B16-0	5/3/2010	38.290949945	-121.312269048	7.0	---	---	---
B16-0.5	5/3/2010			<5.0	---	---	---
B16-1	5/3/2010			<5.0	---	---	---
B16-2	5/3/2010			<5.0	---	---	---
B17-0	5/3/2010	38.290726988	-121.312136677	100	<b>20</b>	<0.25	---
B17-0.5	5/3/2010			<5.0	---	---	---
B17-1	5/3/2010			7.0	---	---	---
B17-2	5/3/2010			6.5	---	---	---
B18-0	5/3/2010	38.290538776	-121.312019273	120	4.5	<0.25	---
B18-0.5	5/3/2010			7.3	---	---	---
B18-1	5/3/2010			5.1	---	---	---
B18-2	5/3/2010			<5.0	---	---	---
B19-0	5/3/2010	38.290327078	-121.311884912	<5.0	---	---	---
B19-0.5	5/3/2010			5.6	---	---	---
B19-1	5/3/2010			<5.0	---	---	---
B19-2	5/3/2010			5.0	---	---	---

TABLE I  
 SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS  
 EA 03-1E6701  
 HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
 GALT, SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD/(TCLP) (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
B20-0	5/3/2010	38.290142573	-121.311770907	220	<b>7.7</b> (<0.25)	<0.25	7.9
B20-0.5	5/3/2010			<5.0	---	---	---
B20-1	5/3/2010			5.3	---	---	---
B20-2	5/3/2010			7.6	---	---	---
B21-0	5/3/2010	38.289944423	-121.311644718	130	<b>12</b>	<0.25	---
B21-0.5	5/3/2010			6.8	---	---	---
B21-1	5/3/2010			5.2	---	---	---
B21-2	5/3/2010			5.7	---	---	---
B22-0	5/3/2010	38.289747985	-121.311512865	180	<b>11</b>	<0.25	8.1
B22-0.5	5/3/2010			440	<b>6.1</b> (0.33)	<0.25	8.1
B22-1	5/3/2010			13	---	---	---
B22-2	5/3/2010			8.9	---	---	---
B23-0	5/3/2010	38.289552513	-121.311400465	130	4.2	<0.25	---
B23-0.5	5/3/2010			6.5	---	---	---
B23-1	5/3/2010			5.5	---	---	---
B23-2	5/3/2010			5.3	---	---	---
B24-0	5/3/2010	38.289354778	-121.311278294	120	<b>9.7</b>	<0.25	---
B24-0.5	5/3/2010			200	<b>8.7</b>	<0.25	6.9
B24-1	5/3/2010			6.7	---	---	---
B24-2	5/3/2010			7.1	---	---	---
B25-0	5/3/2010	38.289141333	-121.311141001	210	<b>15</b>	<0.25	7.7
B25-0.5	5/3/2010			15	---	---	---
B25-1	5/3/2010			13	---	---	---
B25-2	5/3/2010			<5.0	---	---	---
B26-0	5/3/2010	38.288957053	-121.311018083	1,000	<b>39</b> (0.46)	<0.25	7.8
B26-0.5	5/3/2010			10	---	---	---
B26-1	5/3/2010			24	---	---	---
B26-2	5/3/2010			9.4	---	---	---
B27-0	5/3/2010	38.288751125	-121.310884519	50	<b>5.4</b>	---	---
B27-0.5	5/3/2010			14	---	---	---
B27-1	5/3/2010			27	---	---	---
B27-2	5/3/2010			7.8	---	---	---
B28-0	5/3/2010	38.288556414	-121.310757620	55	<b>9.6</b>	---	---
B28-0.5	5/3/2010			6.3	---	---	---
B28-1	5/3/2010			22	---	---	---
B28-2	5/3/2010			6.0	---	---	---
B29-0	5/3/2010	38.288356674	-121.310637318	64	<b>6.0</b>	---	---
B29-0.5	5/3/2010			260	<b>8.7</b> (0.53)	<0.25	7.0
B29-1	5/3/2010			7.0	---	---	---

TABLE I  
 SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS  
 EA 03-1E6701  
 HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
 GALT, SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD/(TCLP) (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
B29-2	5/3/2010			5.6	---	---	---
B30-0	5/3/2010	38.288164030	-121.310515933	26	---	---	---
B30-0.5	5/3/2010			18	---	---	---
B30-1	5/3/2010			13	---	---	---
B30-2	5/3/2010			<5.0	---	---	---
<b>HIGHWAY 99 POST MILE 1.3 TO 1.9</b>							
B31-0	5/3/2010	38.269381800	-121.302050231	93	<b>9.3</b>	---	---
B31-0.5	5/3/2010			14	---	---	---
B31-1	5/3/2010			8.5	---	---	---
B31-2	5/3/2010			<5.0	---	---	---
B32-0	5/3/2010	38.269115532	-121.301963659	160	<b>12</b>	<0.25	5.7
B32-0.5	5/3/2010			34	---	---	---
B32-1	5/3/2010			7.2	---	---	---
B32-2	5/3/2010			5.0	---	---	---
B33-0	5/3/2010	38.268849605	-121.301865678	140	<b>9.0</b>	<0.25	5.9
B33-0.5	5/3/2010			64	<b>5.8</b>	---	---
B33-1	5/3/2010			6.5	---	---	---
B33-2	5/3/2010			5.6	---	---	---
B34-0	5/3/2010	38.268582566	-121.301779768	140	<b>9.7</b>	<0.25	5.3
B34-0.5	5/3/2010			7.8	---	---	---
B34-1	5/3/2010			10	---	---	---
B34-2	5/3/2010			23	---	---	---
B35-0	5/3/2010	38.268302290	-121.301676885	110	<b>5.2</b>	<0.25	---
B35-0.5	5/3/2010			17	---	---	---
B35-1	5/3/2010			8.6	---	---	---
B35-2	5/3/2010			8.4	---	---	---
B36-0	5/3/2010	38.268029254	-121.301574801	120	<b>6.8</b>	<0.25	---
B36-0.5	5/3/2010			23	---	---	---
B36-1	5/3/2010			7.3	---	---	---
B36-2	5/3/2010			9.6	---	---	---
B37-0	5/3/2010	38.267767822	-121.301484394	9.1	---	---	---
B37-0.5	5/3/2010			130	<b>5.1</b>	<0.25	8.0
B37-1	5/3/2010			29	---	---	---
B37-2	5/3/2010			6.0	---	---	---
B38-0	5/3/2010	38.267490768	-121.301379722	15	---	---	---
B38-0.5	5/3/2010			19	---	---	---
B38-1	5/3/2010			6.7	---	---	---
B38-2	5/3/2010			8.9	---	---	---

TABLE I  
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 GALT, SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD/(TCLP) (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
B39-0	5/3/2010	38.267232578	-121.301290469	65	<b>5.7</b>	---	---
B39-0.5	5/3/2010			5.0	---	---	---
B39-1	5/3/2010			<5.0	---	---	---
B39-2	5/3/2010			<5.0	---	---	---
B40-0	5/3/2010	38.266976959	-121.301204474	52	1.6	---	---
B40-0.5	5/3/2010			<5.0	---	---	---
B40-1	5/3/2010			<5.0	---	---	---
B40-2	5/3/2010			<5.0	---	---	---
B41-0	5/3/2010	38.266683897	-121.301103060	99	<b>6.2</b>	---	---
B41-0.5	5/3/2010			29	---	---	---
B41-1	5/3/2010			8.6	---	---	---
B41-2	5/3/2010			<5.0	---	---	---
B42-0	5/3/2010	38.266428116	-121.301004141	120	<b>8.3</b>	<0.25	---
B42-0.5	5/3/2010			24	---	---	---
B42-1	5/3/2010			6.7	---	---	---
B42-2	5/3/2010			6.1	---	---	---
B43-0	5/3/2010	38.266180087	-121.300911805	340	3.5 (<0.25)	<0.25	8.0
B43-0.5	5/3/2010			7.0	---	---	---
B43-1	5/3/2010			<5.0	---	---	---
B43-2	5/3/2010			<5.0	---	---	---
B44-0	5/3/2010	38.265917418	-121.300811407	<5.0	---	---	---
B44-0.5	5/3/2010			<5.0	---	---	---
B44-1	5/3/2010			<5.0	---	---	---
B44-2	5/3/2010			<5.0	---	---	---
B45-0	5/3/2010	38.265648747	-121.300686631	290	2.3 (<0.25)	<0.25	7.6
B45-0.5	5/3/2010			6.6	---	---	---
B45-1	5/3/2010			<5.0	---	---	---
B45-2	5/3/2010			<5.0	---	---	---
B46-0	5/3/2010	38.265334695	-121.300563296	240	<b>8.1</b> (<0.25)	<0.25	7.6
B46-0.5	5/3/2010			<5.0	---	---	---
B46-1	5/3/2010			<5.0	---	---	---
B46-2	5/3/2010			<5.0	---	---	---
B47-0	5/3/2010	NA	NA	33	---	---	---
B47-0.5	5/3/2010			33	---	---	---
B47-1	5/3/2010			<5.0	---	---	---
B47-2	5/3/2010			<5.0	---	---	---
B48-0	5/3/2010	38.264861683	-121.300310173	170	<b>11</b>	<0.25	7.2
B48-0.5	5/3/2010			13	---	---	---

TABLE 1  
 SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS  
 EA 03-1E6701  
 HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
 GALT, SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD/(TCLP) (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
B48-1	5/3/2010			<5.0	---	---	---
B48-2	5/3/2010			<5.0	---	---	---
B49-0	5/3/2010	38.264640435	-121.300191501	47	---	---	---
B49-0.5	5/3/2010			<5.0	---	---	---
B49-1	5/3/2010			<5.0	---	---	---
B49-2	5/3/2010			<5.0	---	---	---
B50-0	5/3/2010	NA	NA	13	---	---	---
B50-0.5	5/3/2010			<5.0	---	---	---
B50-1	5/3/2010			<5.0	---	---	---
B50-2	5/3/2010			<5.0	---	---	---
B51-0	5/3/2010	38.264136830	-121.299892001	84	<b>5.9</b>	---	---
B51-0.5	5/3/2010			<5.0	---	---	---
B51-1	5/3/2010			<5.0	---	---	---
B51-2	5/3/2010			<5.0	---	---	---
B52-0	5/3/2010	38.263891358	-121.299745569	32	---	---	---
B52-0.5	5/3/2010			120	0.84	<0.25	---
B52-1	5/3/2010			<5.0	---	---	---
B52-2	5/3/2010			<5.0	---	---	---
B53-0	5/3/2010	38.263644911	-121.299583641	57	4.8	---	---
B53-0.5	5/3/2010			5.6	---	---	---
B53-1	5/3/2010			5.5	---	---	---
B53-2	5/3/2010			<5.0	---	---	---
B54-0	5/3/2010	38.263398586	-121.299430424	190	<b>15 (0.37)</b>	<0.25	7.5
B54-0.5	5/3/2010			6.4	---	---	---
B54-1	5/3/2010			<5.0	---	---	---
B54-2	5/3/2010			<5.0	---	---	---
B55-0	5/3/2010	38.263147688	-121.299267858	97	<b>11</b>	---	---
B55-0.5	5/3/2010			6.1	---	---	---
B55-1	5/3/2010			6.4	---	---	---
B55-2	5/3/2010			6.3	---	---	---
B56-0	5/3/2010	38.262914684	-121.299116358	81	3.0	---	---
B56-0.5	5/3/2010			8.3	---	---	---
B56-1	5/3/2010			6.2	---	---	---
B56-2	5/3/2010			8.9	---	---	---
B57-0	5/3/2010	38.262674408	-121.298960159	<5.0	---	---	---
B57-0.5	5/3/2010			5.1	---	---	---
B57-1	5/3/2010			28	---	---	---
B57-2	5/3/2010			67	<b>6.8</b>	---	---

TABLE 1  
 SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS  
 EA 03-1E6701  
 HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
 GALT, SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD/(TCLP) (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
B58-0	5/3/2010	38.262409813	-121.298789749	87	<b>19</b>	---	---
B58-0.5	5/3/2010			43	---	---	---
B58-1	5/3/2010			16	---	---	---
B58-2	5/3/2010			<5.0	---	---	---
B59-0	5/3/2010	38.262179451	-121.298632383	130	<b>17</b>	<0.25	8.2
B59-0.5	5/3/2010			20	---	---	---
B59-1	5/3/2010			<5.0	---	---	---
B59-2	5/3/2010			<5.0	---	---	---
B60-0	5/3/2010	38.261945856	-121.298480253	53	3.4	---	---
B60-0.5	5/3/2010			11	---	---	---
B60-1	5/3/2010			5.4	---	---	---
B60-2	5/3/2010			5.1	---	---	---

Notes:

B1-0  

 Top of sample depth interval in feet below ground surface  
 Boring identification

mg/kg = Milligrams per kilogram

mg/l = Milligrams per liter

< = Less than the laboratory reporting limits

NA = Not available

--- = Not analyzed

WET = Waste Extraction Test analyzed by EPA Method 7420

DI-WET = Waste Extraction Test using de-ionized water analyzed by EPA Method 7420

(0.37) = Toxicity Characteristic Leaching Procedure soluble lead concentration

Concentrations in **bold** type are greater than or equal to the Soluble Threshold Limit Concentration value for lead of 5.0 mg/l

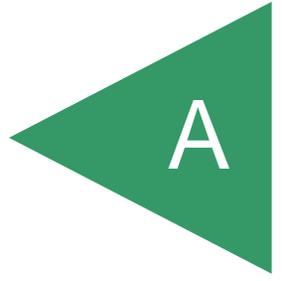
TABLE 2  
SUMMARY OF TRAFFIC PAINT SAMPLE ANALYTICAL RESULTS  
EA 03-1E6701  
HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
GALT, SACRAMENTO COUNTY, CALIFORNIA

SAMPLE ID	SAMPLE DATE	LOCATION	TRAFFIC STRIPE PAINT COLOR	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)
PC1	5/3/2010	Between PM 3.3 and 3.8	Yellow	300	2.3
PC2	5/3/2010	Between PM 3.3 and 3.8	Yellow	530	2.4
PC3	5/3/2010	Between PM 1.3 and 1.9	Yellow	49	---
PC4	5/3/2010	Between PM 1.3 and 1.9	Yellow	460	1.3

Notes: mg/kg = Milligrams per kilogram  
mg/l = Milligrams per liter  
WET = Waste Extraction Test analyzed by EPA Method 7420  
PM = Post Mile  
--- = Not analyzed

APPENDIX

A





*California Environmental Protection Agency  
Department of Toxic Substances Control*

**VARIANCE**

Applicant Names:

Variance No. V09HQSCD006

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

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.

A handwritten signature in cursive script, appearing to read "Beverly Rikala".

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

Date: 6/30/09

**VARIANCE**

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 aeriially-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 (TTL) 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 xxx");

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.

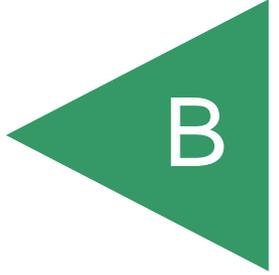
11. VARIANCE MODIFICATION OR REVOCATION. This variance is subject to review at the discretion of DTSC and may be modified or revoked by DTSC upon change of ownership and at any other time pursuant to Health and Safety Code, section 25143.
12. CEQA DETERMINATION. DTSC adopted a Negative Declaration on June 30, 2009.

Approved:

6/30/09  
Date

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

APPENDIX



May 06, 2010



John Juhrend  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742  
TEL: (916) 852-9118  
FAX: (916) 852-9132

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

Workorder No.: 111565

RE: Hwy 99 Galt ADL, S9300-06-132

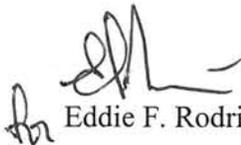
Attention: John Juhrend

Enclosed are the results for sample(s) received on May 04, 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.



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**CLIENT:** Geocon Consultants, Inc.  
**Project:** Hwy 99 Galt ADL, S9300-06-132  
**Lab Order:** 111565

---

**CASE NARRATIVE**

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 111565-130AMS; 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 111565-020ADUP, 111565-030ADUP, 111565-050ADUP, 111565-060ADUP, 111565-110ADUP, 111565-140ADUP, 111565-150ADUP, 111565-190ADUP, 111565-210ADUP, 111565-230ADUP and 111577-065AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-001A	B1-0	120	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-002A	B1-0.5	13	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-003A	B1-1	17	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-004A	B1-2	12	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-005A	B2-0	73	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-006A	B2-0.5	7.5	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-007A	B2-1	15	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-008A	B2-2	6.6	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-009A	B3-0	72	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-010A	B3-0.5	24	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-011A	B3-1	6.3	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-012A	B3-2	21	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-013A	B4-0	410	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-014A	B4-0.5	14	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-015A	B4-1	5.1	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-016A	B4-2	8.6	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-017A	B5-0	280	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-018A	B5-0.5	6.8	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-019A	B5-1	6.1	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-020A	B5-2	5.7	mg/Kg	63881	5.0	1	5/3/2010	5/5/2010
111565-021A	B6-0	140	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-022A	B6-0.5	16	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-023A	B6-1	ND	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-024A	B6-2	ND	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-025A	B7-0	5.4	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-026A	B7-0.5	ND	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-027A	B7-1	5.4	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-028A	B7-2	77	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-029A	B8-0	42	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-030A	B8-0.5	5.4	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-031A	B8-1	5.6	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-032A	B8-2	5.1	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-033A	B9-0	ND	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-034A	B9-0.5	5.4	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-035A	B9-1	8.5	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-036A	B9-2	18	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010

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



**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-037A	B10-0	130	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-038A	B10-0.5	9.0	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-039A	B10-1	ND	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-040A	B10-2	6.0	mg/Kg	63882	5.0	1	5/3/2010	5/5/2010
111565-041A	B11-0	120	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-042A	B11-0.5	8.3	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-043A	B11-1	5.5	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-044A	B11-2	5.2	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-045A	B12-0	150	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-046A	B12-0.5	7.1	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-047A	B12-1	5.7	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-048A	B12-2	6.6	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-049A	B13-0	160	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-050A	B13-0.5	11	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-051A	B13-1	17	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-052A	B13-2	ND	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-053A	B14-0	ND	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-054A	B14-0.5	ND	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010

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



**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-055A	B14-1	5.6	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-056A	B14-2	180	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-057A	B15-0	5.8	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-058A	B15-0.5	6.1	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-059A	B15-1	6.3	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-060A	B15-2	65	mg/Kg	63883	5.0	1	5/3/2010	5/5/2010
111565-061A	B16-0	7.0	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-062A	B16-0.5	ND	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-063A	B16-1	ND	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-064A	B16-2	ND	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-065A	B17-0	100	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-066A	B17-0.5	ND	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-067A	B17-1	7.0	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-068A	B17-2	6.5	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-069A	B18-0	120	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-070A	B18-0.5	7.3	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-071A	B18-1	5.1	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-072A	B18-2	ND	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-073A	B19-0	ND	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-074A	B19-0.5	5.6	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-075A	B19-1	ND	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-076A	B19-2	5.0	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-077A	B20-0	220	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-078A	B20-0.5	ND	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-079A	B20-1	5.3	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-080A	B20-2	7.6	mg/Kg	63884	5.0	1	5/3/2010	5/5/2010
111565-081A	B21-0	130	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-082A	B21-0.5	6.8	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-083A	B21-1	5.2	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-084A	B21-2	5.7	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-085A	B22-0	180	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-086A	B22-0.5	440	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-087A	B22-1	13	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-088A	B22-2	8.9	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-089A	B23-0	130	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-090A	B23-0.5	6.5	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-091A	B23-1	5.5	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-092A	B23-2	5.3	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-093A	B24-0	120	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-094A	B24-0.5	200	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-095A	B24-1	6.7	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-096A	B24-2	7.1	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-097A	B25-0	210	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-098A	B25-0.5	15	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-099A	B25-1	13	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-100A	B25-2	ND	mg/Kg	63885	5.0	1	5/3/2010	5/5/2010
111565-101A	B26-0	1000	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-102A	B26-0.5	10	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-103A	B26-1	24	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-104A	B26-2	9.4	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-105A	B27-0	50	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-106A	B27-0.5	14	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-107A	B27-1	27	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-108A	B27-2	7.8	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-109A	B28-0	55	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-110A	B28-0.5	6.3	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-111A	B28-1	22	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-112A	B28-2	6.0	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-113A	B29-0	64	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-114A	B29-0.5	260	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-115A	B29-1	7.0	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-116A	B29-2	5.6	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-117A	B30-0	26	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-118A	B30-0.5	18	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-119A	B30-1	13	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-120A	B30-2	ND	mg/Kg	63886	5.0	1	5/3/2010	5/5/2010
111565-121A	B31-0	93	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-122A	B31-0.5	14	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-123A	B31-1	8.5	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-124A	B31-2	ND	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-125A	B32-0	160	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-126A	B32-0.5	34	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-127A	B32-1	7.2	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-128A	B32-2	5.0	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-129A	B33-0	140	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-130A	B33-0.5	64	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-131A	B33-1	6.5	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-132A	B33-2	5.6	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-133A	B34-0	140	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-134A	B34-0.5	7.8	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-135A	B34-1	10	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-136A	B34-2	23	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-137A	B35-0	110	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-138A	B35-0.5	17	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-139A	B35-1	8.6	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-140A	B35-2	8.4	mg/Kg	63887	5.0	1	5/3/2010	5/5/2010
111565-141A	B36-0	120	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-142A	B36-0.5	23	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-143A	B36-1	7.3	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-144A	B36-2	9.6	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-145A	B37-0	9.1	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-146A	B37-0.5	130	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-147A	B37-1	29	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-148A	B37-2	6.0	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-149A	B38-0	15	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-150A	B38-0.5	19	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-151A	B38-1	6.7	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-152A	B38-2	8.9	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-153A	B39-0	65	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-154A	B39-0.5	5.0	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-155A	B39-1	ND	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-156A	B39-2	ND	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-157A	B40-0	52	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-158A	B40-0.5	ND	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-159A	B40-1	ND	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-160A	B40-2	ND	mg/Kg	63888	5.0	1	5/3/2010	5/5/2010
111565-161A	B41-0	99	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-162A	B41-0.5	29	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-163A	B41-1	8.6	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-164A	B41-2	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-165A	B42-0	120	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-166A	B42-0.5	24	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-167A	B42-1	6.7	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-168A	B42-2	6.1	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-169A	B43-0	340	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-170A	B43-0.5	7.0	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-171A	B43-1	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-172A	B43-2	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-173A	B44-0	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-174A	B44-0.5	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-175A	B44-1	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-176A	B44-2	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-177A	B45-0	290	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-178A	B45-0.5	6.6	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-179A	B45-1	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010
111565-180A	B45-2	ND	mg/Kg	63889	5.0	1	5/3/2010	5/5/2010

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



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-181A	B46-0	240	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-182A	B46-0.5	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-183A	B46-1	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-184A	B46-2	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-185A	B47-0	33	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-186A	B47-0.5	33	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-187A	B47-1	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-188A	B47-2	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-189A	B48-0	170	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-190A	B48-0.5	13	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-191A	B48-1	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-192A	B48-2	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-193A	B49-0	47	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-194A	B49-0.5	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-195A	B49-1	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-196A	B49-2	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-197A	B50-0	13	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-198A	B50-0.5	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-199A	B50-1	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-200A	B50-2	ND	mg/Kg	63890	5.0	1	5/3/2010	5/5/2010
111565-201A	B51-0	84	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-202A	B51-0.5	ND	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-203A	B51-1	ND	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-204A	B51-2	ND	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-205A	B52-0	32	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-206A	B52-0.5	120	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-207A	B52-1	ND	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-208A	B52-2	ND	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-209A	B53-0	57	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-210A	B53-0.5	5.6	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-211A	B53-1	5.5	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-212A	B53-2	ND	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-213A	B54-0	190	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-214A	B54-0.5	6.4	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-215A	B54-1	ND	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-216A	B54-2	ND	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-217A	B55-0	97	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-218A	B55-0.5	6.1	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-219A	B55-1	6.4	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-220A	B55-2	6.3	mg/Kg	63891	5.0	1	5/3/2010	5/5/2010
111565-221A	B56-0	81	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-222A	B56-0.5	8.3	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-223A	B56-1	6.2	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-224A	B56-2	8.9	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-225A	B57-0	ND	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-226A	B57-0.5	5.1	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-227A	B57-1	28	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-228A	B57-2	67	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-229A	B58-0	87	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-230A	B58-0.5	43	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-231A	B58-1	16	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-232A	B58-2	ND	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-233A	B59-0	130	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-234A	B59-0.5	20	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010

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



**LEAD BY ICP  
EPA 6010B**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-235A	B59-1	ND	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-236A	B59-2	ND	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-237A	B60-0	53	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-238A	B60-0.5	11	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-239A	B60-1	5.4	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010
111565-240A	B60-2	5.1	mg/Kg	63892	5.0	1	5/3/2010	5/5/2010

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside 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-May-10

**CLIENT:** Geocon Consultants, Inc.  
**Project:** Hwy 99 Galt ADL, S9300-06-132

**Lab Order:** 111565

**Lab ID:** 111565-241 **Collection Date:** 5/3/2010  
**Client Sample ID:** PC1 **Matrix:** PAINT CHIPS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP8_100505B	QC Batch: 63909				PrepDate: 5/4/2010	Analyst: <b>SRB</b>
Lead	300	2.0		mg/Kg	1	5/5/2010 02:25 PM

**Lab ID:** 111565-242 **Collection Date:** 5/3/2010  
**Client Sample ID:** PC2 **Matrix:** PAINT CHIPS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP8_100505B	QC Batch: 63909				PrepDate: 5/4/2010	Analyst: <b>SRB</b>
Lead	530	2.0		mg/Kg	1	5/5/2010 02:39 PM

**Lab ID:** 111565-243 **Collection Date:** 5/3/2010  
**Client Sample ID:** PC3 **Matrix:** PAINT CHIPS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP8_100505B	QC Batch: 63909				PrepDate: 5/4/2010	Analyst: <b>SRB</b>
Lead	49	2.0		mg/Kg	1	5/5/2010 02:44 PM

**Lab ID:** 111565-244 **Collection Date:** 5/3/2010  
**Client Sample ID:** PC4 **Matrix:** PAINT CHIPS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP8_100505B	QC Batch: 63909				PrepDate: 5/4/2010	Analyst: <b>SRB</b>
Lead	460	2.0		mg/Kg	1	5/5/2010 02:48 PM

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



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_S**

Sample ID: <b>MB-63909</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120897</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63909</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930067</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 1.0

Sample ID: <b>LCS-63909</b>	SampType: <b>LCS</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120897</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63909</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930068</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 46.849 1.0 50.00 0 93.7 80 120

Sample ID: <b>111577-061A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120897</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>63909</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930070</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 37.059 1.0 35.64 3.92 20

Sample ID: <b>111577-065A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120897</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>63909</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930075</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

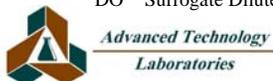
Lead 287.222 2.0 250.0 77.88 83.7 34 126

Sample ID: <b>111577-065A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120897</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>63909</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930076</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 221.102 2.0 250.0 77.88 57.3 34 126 287.2 26.0 20 R

**Qualifiers:**

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





**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

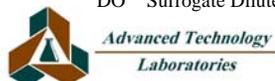
Sample ID: <b>111565-020A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120887</b>						
Client ID: <b>B5-2</b>	Batch ID: <b>63881</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929764</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.469	5.0						5.673	74.9	20	R

Sample ID: <b>111565-020A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120887</b>						
Client ID: <b>B5-2</b>	Batch ID: <b>63881</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929765</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	186.771	5.0	250.0	5.673	72.4	34	126				

Sample ID: <b>111565-020A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120887</b>						
Client ID: <b>B5-2</b>	Batch ID: <b>63881</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929766</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.801	5.0	250.0	5.673	81.7	34	126	186.8	11.6	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

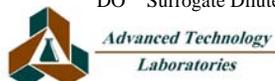
Sample ID: <b>111565-040A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120888</b>						
Client ID: <b>B10-2</b>	Batch ID: <b>63882</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929820</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.114	5.0						6.038	16.6	20	

Sample ID: <b>111565-040A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120888</b>						
Client ID: <b>B10-2</b>	Batch ID: <b>63882</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929821</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	214.821	5.0	250.0	6.038	83.5	34	126				

Sample ID: <b>111565-040A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120888</b>						
Client ID: <b>B10-2</b>	Batch ID: <b>63882</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929822</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	233.528	5.0	250.0	6.038	91.0	34	126	214.8	8.34	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

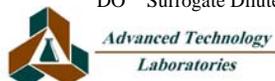
Sample ID: <b>111565-060A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120889</b>						
Client ID: <b>B15-2</b>	Batch ID: <b>63883</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929861</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.395	5.0						65.36	84.9	20	R

Sample ID: <b>111565-060A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120889</b>						
Client ID: <b>B15-2</b>	Batch ID: <b>63883</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929862</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.733	5.0	250.0	65.36	67.0	34	126				

Sample ID: <b>111565-060A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120889</b>						
Client ID: <b>B15-2</b>	Batch ID: <b>63883</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929863</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	249.707	5.0	250.0	65.36	73.7	34	126	232.7	7.04	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   |  |





**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

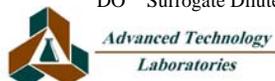
Sample ID: <b>111565-080A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120891</b>						
Client ID: <b>B20-2</b>	Batch ID: <b>63884</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929930</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.260	5.0						7.584	19.1	20	

Sample ID: <b>111565-080A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120891</b>						
Client ID: <b>B20-2</b>	Batch ID: <b>63884</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929931</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	199.678	5.0	250.0	7.584	76.8	34	126				

Sample ID: <b>111565-080A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120891</b>						
Client ID: <b>B20-2</b>	Batch ID: <b>63884</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929932</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	211.280	5.0	250.0	7.584	81.5	34	126	199.7	5.65	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

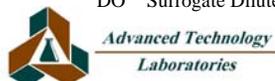
Sample ID: <b>111565-100A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120892</b>						
Client ID: <b>B25-2</b>	Batch ID: <b>63885</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929991</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.576	5.0						4.105	0	20	

Sample ID: <b>111565-100A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120892</b>						
Client ID: <b>B25-2</b>	Batch ID: <b>63885</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929992</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	208.785	5.0	250.0	4.105	81.9	34	126				

Sample ID: <b>111565-100A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120892</b>						
Client ID: <b>B25-2</b>	Batch ID: <b>63885</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1929993</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.310	5.0	250.0	4.105	84.9	34	126	208.8	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   |  |



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>MB-63886A</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120896</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63886</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930077</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.140	5.0									

Sample ID: <b>LCS-63886</b>	SampType: <b>LCS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120896</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63886</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930078</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	264.486	5.0	250.0	0.1396	106	80	120				

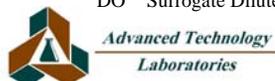
Sample ID: <b>111565-110A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120896</b>						
Client ID: <b>B28-0.5</b>	Batch ID: <b>63886</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930089</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.666	5.0						6.309	51.3	20	R

Sample ID: <b>111565-110A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120896</b>						
Client ID: <b>B28-0.5</b>	Batch ID: <b>63886</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930090</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	222.835	5.0	250.0	6.309	86.6	34	126				

Sample ID: <b>MB-63886B</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120896</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63886</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930091</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.114	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

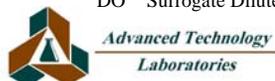
Sample ID: <b>111565-120A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120896</b>						
Client ID: <b>B30-2</b>	Batch ID: <b>63886</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930102</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.679	5.0						4.961	0	20	

Sample ID: <b>111565-120A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120896</b>						
Client ID: <b>B30-2</b>	Batch ID: <b>63886</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930103</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	212.263	5.0	250.0	4.961	82.9	34	126				

Sample ID: <b>111565-120A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120896</b>						
Client ID: <b>B30-2</b>	Batch ID: <b>63886</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930104</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	215.227	5.0	250.0	4.961	84.1	34	126	212.3	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   |  |



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>MB-63887A</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120900</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63887</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930136</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.245	5.0									

Sample ID: <b>LCS-63887</b>	SampType: <b>LCS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120900</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63887</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930137</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	278.092	5.0	250.0	0.2450	111	80	120				

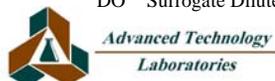
Sample ID: <b>111565-130A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120900</b>						
Client ID: <b>B33-0.5</b>	Batch ID: <b>63887</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930148</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	66.465	5.0						63.51	4.55	20	

Sample ID: <b>111565-130A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120900</b>						
Client ID: <b>B33-0.5</b>	Batch ID: <b>63887</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930149</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	397.333	5.0	250.0	63.51	134	34	126				S

Sample ID: <b>MB-63887B</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120900</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63887</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930150</b>						
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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

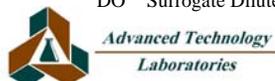
Sample ID: <b>111565-140A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120900</b>						
Client ID: <b>B35-2</b>	Batch ID: <b>63887</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930161</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.311	5.0						8.407	28.5	20	R

Sample ID: <b>111565-140A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120900</b>						
Client ID: <b>B35-2</b>	Batch ID: <b>63887</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930162</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.172	5.0	250.0	8.407	89.5	34	126				

Sample ID: <b>111565-140A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120900</b>						
Client ID: <b>B35-2</b>	Batch ID: <b>63887</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930163</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.742	5.0	250.0	8.407	94.9	34	126	232.2	5.68	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>MB-63888A</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120901</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63888</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930164</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Sample ID: <b>LCS-63888</b>	SampType: <b>LCS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120901</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63888</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930165</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 283.449 5.0 250.0 0 113 80 120

Sample ID: <b>111565-150A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120901</b>						
Client ID: <b>B38-0.5</b>	Batch ID: <b>63888</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930176</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 8.468 5.0 18.58 74.8 20 R

Sample ID: <b>111565-150A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120901</b>						
Client ID: <b>B38-0.5</b>	Batch ID: <b>63888</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930177</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

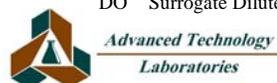
Lead 237.334 5.0 250.0 18.58 87.5 34 126

Sample ID: <b>MB-63888B</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120901</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63888</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930178</b>						
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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

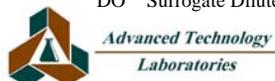
Sample ID: <b>111565-160A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120901</b>						
Client ID: <b>B40-2</b>	Batch ID: <b>63888</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930189</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.843	5.0						4.324	0	20	

Sample ID: <b>111565-160A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120901</b>						
Client ID: <b>B40-2</b>	Batch ID: <b>63888</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930190</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.213	5.0	250.0	4.324	88.4	34	126				

Sample ID: <b>111565-160A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120901</b>						
Client ID: <b>B40-2</b>	Batch ID: <b>63888</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930191</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.367	5.0	250.0	4.324	88.4	34	126	225.2	0.0683	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   |  |



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

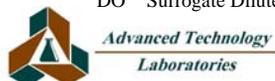
Sample ID: <b>111565-180A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120904</b>						
Client ID: <b>B45-2</b>	Batch ID: <b>63889</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050M</b>	Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930260</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.457	5.0						2.692	0	20	

Sample ID: <b>111565-180A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120904</b>						
Client ID: <b>B45-2</b>	Batch ID: <b>63889</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050M</b>	Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930261</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	212.188	5.0	250.0	2.692	83.8	34	126	215.0	1.32	20	

Sample ID: <b>111565-180A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120904</b>						
Client ID: <b>B45-2</b>	Batch ID: <b>63889</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050M</b>	Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930262</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	215.013	5.0	250.0	2.692	84.9	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   |  |



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>MB-63890A</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120906</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63890</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050M</b>	Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930285</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.126	5.0									
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Sample ID: <b>LCS-63890</b>	SampType: <b>LCS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120906</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63890</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050M</b>	Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930286</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	270.102	5.0	250.0	0.1257	108	80	120				
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Sample ID: <b>111565-190A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120906</b>						
Client ID: <b>B48-0.5</b>	Batch ID: <b>63890</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050M</b>	Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930297</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	7.230	5.0						13.20	58.4	20	R
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Sample ID: <b>111565-190A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120906</b>						
Client ID: <b>B48-0.5</b>	Batch ID: <b>63890</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050M</b>	Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930298</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

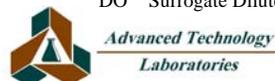
Lead	234.550	5.0	250.0	13.20	88.5	34	126				
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Sample ID: <b>MB-63890B</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120906</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63890</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050M</b>	Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930299</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.129	5.0									
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**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD 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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

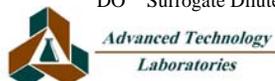
Sample ID: <b>111565-200A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120906</b>						
Client ID: <b>B50-2</b>	Batch ID: <b>63890</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930310</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.171	5.0						1.262	0	20	

Sample ID: <b>111565-200A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120906</b>						
Client ID: <b>B50-2</b>	Batch ID: <b>63890</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930311</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	228.975	5.0	250.0	1.262	91.1	34	126				

Sample ID: <b>111565-200A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120906</b>						
Client ID: <b>B50-2</b>	Batch ID: <b>63890</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930312</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	229.493	5.0	250.0	1.262	91.3	34	126	229.0	0.226	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

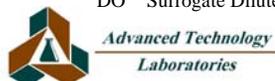
Sample ID: <b>111565-220A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120910</b>						
Client ID: <b>B55-2</b>	Batch ID: <b>63891</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930377</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.711	5.0						6.329	10.3	20	

Sample ID: <b>111565-220A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120910</b>						
Client ID: <b>B55-2</b>	Batch ID: <b>63891</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930378</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	199.676	5.0	250.0	6.329	77.3	34	126				

Sample ID: <b>111565-220A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120910</b>						
Client ID: <b>B55-2</b>	Batch ID: <b>63891</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930379</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.258	5.0	250.0	6.329	79.2	34	126	199.7	2.27	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   |  |



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

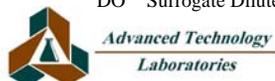
Sample ID: <b>111565-240A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120913</b>						
Client ID: <b>B60-2</b>	Batch ID: <b>63892</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930444</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.131	5.0						5.108	18.2	20	

Sample ID: <b>111565-240A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120913</b>						
Client ID: <b>B60-2</b>	Batch ID: <b>63892</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930445</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	202.863	5.0	250.0	5.108	79.1	34	126				

Sample ID: <b>111565-240A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/4/2010</b>	RunNo: <b>120913</b>						
Client ID: <b>B60-2</b>	Batch ID: <b>63892</b>	TestNo: <b>EPA 6010B EPA 3050M</b>		Analysis Date: <b>5/5/2010</b>	SeqNo: <b>1930446</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	208.452	5.0	250.0	5.108	81.3	34	126	202.9	2.72	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   |  |



# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: \_\_\_\_\_  
Logged By: [Signature] Date: 5/4/10

Method of Transport  
Client  ATL  CA OverN  FedEx  Other: GSD

Sample Condition Upon Receipt  
1. CHILLED 246 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 Inc. Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742  
Attention: J. Juhrend Tel: 916.852.9118 Fax: 916.852.9132

Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert

Relinquished by: (Signature and Printed Name) JOSH EWERT Date: 5/3/10 Time: 1630 Received by: (Signature and Printed Name) GSD Date: 5/3/10 Time: 1630

Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: (Signature and Printed Name) [Signature] Date: 5/4/10 Time: 1010

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: J. Juhrend Date: 5/3/10  
Signature: [Signature]

Send Report To:  
Attn: See Above  
Co: \_\_\_\_\_  
Addr: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Bill To:  
Attn: See Above  
Co: \_\_\_\_\_  
Addr: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Special Instructions/Comments:  
Homogenize as per CalTrans Contract # 03A1368  
Please send EDF and EXCEL to [cook@geoconinc.com](mailto:cook@geoconinc.com)

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.  
**Storage Fees (applies when storage is requested):**  
■ Sample: \$2.00 / sample /mo (after 45 days)  
■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION									
	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTX)	8015B (DRO)	8021 (BTX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead		pH	SOIL	WATER	GROUND WATER	WASTEWATER	Container(s)			
																	TAT	#	Type	REMARKS
								X				X					C	1	Ziplock	

LAB USE ONLY:	Sample Description			
	Batch #:	Sample ID / Location	Date	Time
1	111565-07	B1-0	5/3/10	0850
2		B1-0.5		0851
3		B1-1		0852
4		B1-2		0853
5		B2-0		0855
6		B2-0.5		0856
7		B2-1		0857
8		B2-2		0858
9		B3-0		0901
10		B3-0.5		0902

■ TAT starts 8AM the following day if samples received after 3 PM

TAT:  A = Overnight ≤ 24 hrs     B = Emergency Next Workday     C = Critical 2 Workdays     D = Urgent 3 Workdays     E = Routine 7 Workdays

Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

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

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
Logged By: _____ Date: _____	Address: 3160 Gold Valley Dr #800	Tel: 916.852.9118
Client: Geocon Inc. Attention: J. Juhrend	City: Rancho Cordova State: CA Zip Code: 95742	Fax: 916.852.9132

Client: Geocon Inc. Address: 3160 Gold Valley Dr #800 Tel: 916.852.9118  
 Attention: J. Juhrend City: Rancho Cordova State: CA Zip Code: 95742 Fax: 916.852.9132  
 Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert (Signature) *[Signature]*

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i> <i>[Signature]</i> Date: 5/3/10 Time: 1630	Received by: (Signature and Printed Name) GSO Date: 5/3/10 Time: 1630
Relinquished by: (Signature and Printed Name) Date: _____ Time: _____	Received by: (Signature and Printed Name) <i>Margo</i> <i>[Signature]</i> Date: 5/4/10 Time: 1010
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: J. Juhrend <i>[Signature]</i> 5/3/10 Print Name Date	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
---	---	--	---

**Sample/Records - Archival & Disposal**  
 Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.  
**Storage Fees (applies when storage is requested):**  
 ■ Sample :\$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

I T E M	LAB USE ONLY:		Sample Description				Circle or Add Analysis(es) Requested												SPECIFY APPROPRIATE MATRIX				PRESERVATION	REMARKS		
	Batch #:	Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6070B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead	pH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#			Type	
	111565	11	B3-1	5/3/10	0903								X				X						C	1	Ziplock	
		12	B3-2		0904																					
		13	B4-0		0909																					PC1
		14	B4-0.5		0910																					
		15	B4-1		0911																					
		16	B4-2		0912																					
		17	B5-0		0914																					
		18	B5-0.5		0915																					
		19	B5-1		0916																					
		20	B5-2		0917																					

■ TAT starts 8AM the following day if samples received after 3 PM

TAT:  A = Overnight ≤ 24 hrs     B = Emergency Next Workday     C = Critical 2 Workdays     D = Urgent 3 Workdays     E = Routine 7 Workdays

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<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

# CHAIN OF CUSTODY RECORD



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Signal Hill, CA 90755  
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## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert (Signature)

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i> <i>JGE</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) <i>Mary</i>	Date: 5/4/10	Time: 10/10

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Print Name: <i>JJ</i> Date: 5/3/10 Signature: <i>JJ</i>	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
---	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**  
 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

ITEM	LAB USE ONLY:		Sample Description				SPECIFY APPROPRIATE MATRIX												PRESERVATION	REMARKS
	Batch #:	Lab No.	Sample ID / Location	Date	Time	Container(s)														
	111565-21		BC-0	5/3/10	0919	TAT # Type												QA/QC		
		22	BC-0.5		0920	↓ ↓ ↓												RTNE <input type="checkbox"/>		
		23	BC-1		0921	↓ ↓ ↓												CT <input checked="" type="checkbox"/>		
		24	BC-2		0922	↓ ↓ ↓												SWRCB <input type="checkbox"/>		
		25	B7-0		0924	↓ ↓ ↓												Logcode _____		
		26	B7-0.5		0925	↓ ↓ ↓												OTHER _____		
		27	B7-1		0926	↓ ↓ ↓														
		28	B7-2		0927	↓ ↓ ↓														
		29	B8-0		0930	↓ ↓ ↓														
		30	B8-0.5		0931	↓ ↓ ↓														

TAT starts 8AM the following day if samples received after 3 PM  
 TAT:  A = Overnight ≤ 24 hrs     B = Emergency Next Workday     C = Critical 2 Workdays     D = Urgent 3 Workdays     E = Routine 7 Workdays  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
 Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien/ Josh Ewert

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date: 5/4/10	Time: 1010

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Print Name: <i>J. Juhrend</i> Signature: <i>[Signature]</i> Date: 5/3/10	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
---	---	--	--

**Sample/Records - Archival & Disposal**  
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**Storage Fees (applies when storage is requested):**  
 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										TAT	#	Type	PRESERVATION	REMARKS
	8081A (Pesticides)	8082 (PCB)	8200B (Volatiles)	8270C (BVA)	6010B (Total Metal)	8015R (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead					

ITEM	LAB USE ONLY:		Sample Description		
	Batch #:	Lab No.	Sample ID / Location	Date	Time
		111565-31	B8-1	5/3/10	0932
		32	B8-2		0933
		33	B9-0		0935
		34	B9-0.5		0936
		35	B9-0.1		0937
		36	B9-0.2		0938
		37	B10-0		0940
		38	B10-0.5		0941
		37	B10-1		0942
		40	B10-2		0943

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD



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## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien/ Josh Ewert
-------------------------------	-------------------------	-----------------------------------

Relinquished by: (Signature and Printed Name) <i>José Ewert</i> <i>JSE</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) <i>Mary</i>	Date: 5/4/10	Time: 1010

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Print Name: <i>JJ</i> Signature: _____ Date: 5/3/10	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**  
 ■ Sample :\$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA/QC					
	8081A (Pesticides)	8082 (PCB)	8280B (Volatiles)	8270C (BVA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8021 (BTEX)	Total Lead	pH	SOIL			WATER	GROUND WATER	WASTEWATER	Container(s)	RTNE <input type="checkbox"/>

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Lab No.	Sample ID / Location	Date	Time	
	111565-41		B11-0	5/3/10	0945	
	42		B11-0.5		0946	
	43		B11-1		0947	
	44		B11-2		0948	
	45		B12-0		0949	
	46		B12-0.5		0950	
	47		B12-1		0951	
	48		B12-2		0952	
	49		B13-0		0954	
	50		B13-0.5		0955	

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD



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Tel: (562) 989-4045 • Fax: (562) 989-4044

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien / Josh Ewert
-------------------------------	-------------------------	------------------------------------

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i> <i>JJE</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) <i>Mary</i>	Date: 5/4/10	Time: 1610

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Date: 5/3/10 Signature: <i>JJE</i>	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**  
 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX												PRESERVATION	QA/QC			
	8081A (Pesticides)	8082 (PCB)	8280B (Volatiles)	8270C (BVA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015R (DRO)	8021 (BTEX)	Total Lead	pH	SOIL	WATER			GROUND WATER	WASTEWATER	RTNE <input type="checkbox"/>

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Lab No.	Sample ID / Location	Date	Time	
	111565-51		B13-1	5/5/10	0957	
			B13-2		0958	
			B14-0		0959	
			B14-0.5		1000	
			B14-1		1001	
			B14-2		1002	
			B15-0		1004	
			B15-0.5		1005	
			B15-1		1006	
			B15-2		1007	

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert (Signature) \_\_\_\_\_

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i> <u>22/05</u>	Date: <u>5/3/10</u>	Time: <u>1630</u>	Received by: (Signature and Printed Name) <u>GSO</u>	Date: <u>5/3/10</u>	Time: <u>1630</u>
Relinquished by: (Signature and Printed Name)	Date: _____	Time: _____	Received by: (Signature and Printed Name)	Date: <u>5/4/10</u>	Time: <u>1010</u>
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: J. Juhrend <u>5/3/10</u> Print Name: _____ Date: _____ Signature: _____	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	---

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

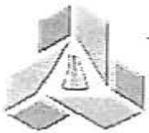
**Storage Fees (applies when storage is requested):**  
 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX												PRESERVATION	QA/QC				
	8081A (Pesticides)	8082 (PCB)	8200B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8021 (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead	pH	SOIL	WATER			GROUND WATER	WASTEWATER	Container(s)	RTNE <input type="checkbox"/>

ITEM	LAB USE ONLY:		Sample Description		
	Batch #:	Sample ID / Location	Date	Time	
	111 S65-61	B16-0	5/3/10	1009	
	62	B16-0.5		1010	
	63	B16-1		1011	
	64	B16-2		1012	
	65	B17-0		1014	
	66	B17-0.5		1015	
	67	B17-1		1016	
	68	B17-2		1017	
	69	B18-0		1019	
	70	B18-0.5		1020	

TAT starts 8AM the following day if samples received after 3 PM  
 TAT:  A = Overnight ≤ 24 hrs     B = Emergency Next Workday     C = Critical 2 Workdays     D = Urgent 3 Workdays     E = Routine 7 Workdays  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
 Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

3275 Walnut Avenue  
Signal Hill, CA 90755  
Tel: (562) 989-4045 • Fax: (562) 989-4041

## FOR LABORATORY USE ONLY

P.O. #: \_\_\_\_\_  
Logged By: \_\_\_\_\_ Date: \_\_\_\_\_

**Method of Transport**

- Client
- ATL
- CA OverN
- FedEx
- 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 Inc. Address: 3160 Gold Valley Dr #800 Tel: 916.852.9118  
Attention: J. Juhrend City: Rancho Cordova State: CA Zip Code: 95742 Fax: 916.852.9132

Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert (Signature) *[Signature]*

Relinquished by: (Signature and Printed Name) *J. Juhrend* Date: 5/3/10 Time: 1630 Received by: (Signature and Printed Name) *GSO* Date: 5/3/10 Time: 1630

Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: (Signature and Printed Name) *[Signature]* Date: 5/4/10 Time: 1010

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend 5/3/10  
Send Report To: Attn: See Above  
Bill To: Attn: See Above  
Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.  
Storage Fees (applies when storage is requested):  
■ Sample: \$2.00 / sample /mo (after 45 days)  
■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	Q A / Q C					
	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead	pH			SOIL	WATER	GROUND WATER	WASTEWATER	Container(s)
																	RTNE <input type="checkbox"/>
																	CT <input checked="" type="checkbox"/>
																	SWRCB <input type="checkbox"/>
																	Logcode _____
																	REMARKS

LAB USE ONLY:	Sample Description			
	Batch #:	Sample ID / Location	Date	Time
LAB USE ONLY:	11/565-71	B18-1	5/3/10	1021
	72	B18-2		1022
	73	B19-0		1024
	74	B19-0.5		1025
	75	B19-1		1026
	76	B19-2		1027
	77	B20-0		1029
	78	B20-0.5		1030
	79	B20-1		1031
	80	B20-2		1032

■ TAT starts 8AM the following day if samples received after 3 PM  
 TAT:  A = Overnight ≤ 24 hrs     B = Emergency Next Workday     C = Critical 2 Workdays     D = Urgent 3 Workdays     E = Routine 7 Workdays  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
 Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal







# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
Logged By: _____ Date: _____		

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien / Josh Ewert
-------------------------------	-------------------------	------------------------------------

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i> <i>JEG</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
Relinquished by: _____	Date: _____	Time: _____	Received by: (Signature and Printed Name) <i>Mary</i>	Date: 5/4/10	Time: 1010

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Print Name: <i>JJ</i> Signature: <i>JJ</i> Date: 5/3/10	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**

- Sample: \$2.00 / sample /mo (after 45 days)
- Records: \$1 /ATL workorder /mo (after 1 year)

ITEM	LAB USE ONLY:		Sample Description		
	Batch #:	Lab No.	Sample ID / Location	Date	Time
	111365	111	B28-1	5/3/10	1111
		112	B28-2		1112
		113	B29-0		1114
		110	B29-0.5		1115
		115	B29-1		1116
		116	B29-2		1117
		117	B30-0		1121
		118	B30-0.5		1122
		119	B30-1		1123
		120	B30-2		1124

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										TAT	#	Type	PRESERVATION	REMARKS								
	8081A (Pesticides)	8082 (PCB)	8200B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8021 (BTEX)	Total Lead	pH	SOIL						WATER	GROUND WATER	WASTEWATER					
											X		X						C	1	Ziplock		

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: \_\_\_\_\_  
Logged By: \_\_\_\_\_ Date: \_\_\_\_\_

Method of Transport  
Client   
ATL   
CA OverN   
FedEx   
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 Inc. Address: 3160 Gold Valley Dr #800 Tel: 916.852.9118  
Attention: J. Juhrend City: Rancho Cordova State: CA Zip Code: 95742 Fax: 916.852.9132

Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert (Signature) *JG*

Relinquished by: (Signature and Printed Name) <i>JOSH EWERT JG</i>	Date: <i>5/3/10</i>	Time: <i>1630</i>	Received by: (Signature and Printed Name) <i>GJSO</i>	Date: <i>5/3/10</i>	Time: <i>1630</i>
Relinquished by: (Signature and Printed Name)	Date: _____	Time: _____	Received by: (Signature and Printed Name) <i>Mary JG</i>	Date: <i>5/4/10</i>	Time: <i>1010</i>

I hereby authorize ATL to perform the work indicated below:  
Project Mgr /Submitter: J. Juhrend *5/3/10*  
Print Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature: *JG*

Send Report To:  
Attn: See Above  
Co: \_\_\_\_\_  
Addr: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Bill To:  
Attn: See Above  
Co: \_\_\_\_\_  
Addr: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Special Instructions/Comments:  
Homogenize as per CalTrans Contract # 03A1368  
Please send EDF and EXCEL to cook@geoconinc.com

**Sample/Records - Archival & Disposal**  
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Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	Q A / Q C								
	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead	pH			SOIL	WATER	GROUND WATER	WASTEWATER	Container(s)	RTNE <input type="checkbox"/>	CT <input checked="" type="checkbox"/>	SWRCB Logcode _____

I T E M	LAB USE ONLY:		Sample Description		
	Batch #:	Lab No.	Sample ID / Location	Date	Time
	111565-121		B31-0	<i>5/3/10</i>	<i>1135</i>
			B31-0.5		<i>1136</i>
			B31-1		<i>1137</i>
			B31-2		<i>1138</i>
			B32-0		<i>1139</i>
			B32-0.5		<i>1140</i>
			B32-1		<i>1141</i>
			B32-2		<i>1142</i>
			B33-0		<i>1144</i>
			B33-0.5		<i>1145</i>

■ TAT starts 8AM the following day if samples received after 3 PM

TAT:  A = Overnight ≤ 24 hrs     B = Emergency Next Workday     C = Critical 2 Workdays     D = Urgent 3 Workdays     E = Routine 7 Workdays

Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

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

*202.5*

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
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Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
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Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien/ Josh Ewert	(Signature) <i>[Signature]</i>
-------------------------------	-------------------------	-----------------------------------	--------------------------------

Relinquished by: (Signature and Printed Name) <i>[Signature]</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date: 5/3/10	Time: 1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date: 5/4/10	Time: 1016

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Print Name: <i>[Signature]</i> Signature: <i>[Signature]</i> Date: 5/3/10	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

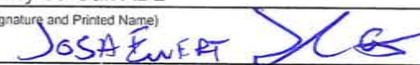
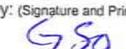
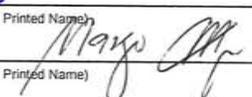
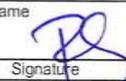
**Storage Fees (applies when storage is requested):**  
 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Sample ID / Location	Date	Time		
	111565-131	B33-1	5/3/10	1146		
	132	B33-2		1147		
	133	B34-0		1151		
	134	B34-0.5		1152		
	135	B34-1		1153		
	136	B34-2		1154		
	137	B35-0		1157		
	138	B35-0.5		1158		
	139	B35-1		1159		
	140	B35-2		1200		

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX												PRESERVATION	QA/QC						
	8081A (Pesticides)	8082 (PCB)	8200B (Volatiles)	8270C (BVA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead	pH	SOIL			WATER	GROUND WATER	WASTEWATER	TAT	#	Type
								X				X					C	1	Ziplock	RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> SWRCB <input type="checkbox"/> Logcode _____ OTHER _____
																				REMARKS PC3

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD

 <p><b>Advanced Technology Laboratories</b></p> <p>3275 Walnut Avenue Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4041</p>		<b>FOR LABORATORY USE ONLY</b>									
		P.O. #: _____		Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____		Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>					
Client: Geocon Inc. Attention: J. Juhrend				Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742						Tel: 916.852.9118 Fax: 916.852.9132	
Project Name: Hwy 99 Galt ADL		Project #: S9300-06-132		Sampler: Mike O'Brien/ Josh Ewert						(Signature) 	
Relinquished by: (Signature and Printed Name)  JOSA EWERT		Date: 5/3/10		Time: 1630		Received by: (Signature and Printed Name)  GSO		Date: 5/3/10		Time: 1630	
Relinquished by: (Signature and Printed Name)		Date:		Time:		Received by: (Signature and Printed Name) 		Date: 5/4/10		Time: 1910	
I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend		Send Report To: Attn: See Above		Bill To: Attn: See Above				Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com			
Print Name:  Date: 5/3/10		Co: _____		Co: _____							
Signature: _____		Addr: _____		Addr: _____							
City: _____ State: _____ Zip: _____		City: _____ State: _____ Zip: _____									
<b>Sample/Records - Archival &amp; Disposal</b> Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.				Circle or Add Analysis(es) Requested				SPECIFY APPROPRIATE MATRIX			
Storage Fees (applies when storage is requested): ■ Sample :\$2.00 / sample /mo (after 45 days) ■ Records :\$1 /ATL workorder /mo (after 1 year)				8081A (Pesticides) / 8082 (PCB) / 8260B (Volatiles) / 8270C (BNA) / 8010B (Total Metal) / 8015B (GRO) / 8020 (BTEX) / 8015B (DRO) / 8021 (BTEX) / TITLE 22 / CAM 17 (6010 / 7000) / Total Lead / pH				SOIL / WATER / GROUND WATER / WASTEWATER			
								PRESERVATION			
								QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> SWRCB Logcode _____ OTHER _____			
								REMARKS			
LAB USE ONLY:		Sample Description									
Batch #:											
Lab No.		Sample ID / Location		Date		Time				Container(s)	
										TAT # Type	
111565-141		B36-0		5/3/10		1214				C 1 Ziplock	
142		B36-0.5				1215				C 1 Ziplock	
143		B36-1				1216				C 1 Ziplock	
144		B36-2				1217				C 1 Ziplock	
145		B37-0				1219				C 1 Ziplock	
146		B37-0.5				1220				C 1 Ziplock	
147		B37-1				1221				C 1 Ziplock	
148		B37-2				1222				C 1 Ziplock	
149		B38-0				1223				C 1 Ziplock	
150		B38-0.5				1224				C 1 Ziplock	
■ TAT starts 8AM the following day if samples received after 3 PM		TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs		<input type="checkbox"/> B = Emergency Next Workday		<input type="checkbox"/> C = Critical 2 Workdays		<input type="checkbox"/> D = Urgent 3 Workdays		<input type="checkbox"/> E = Routine 7 Workdays	
		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 <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

3275 Walnut Avenue  
Signal Hill, CA 90755  
Tel: (562) 989-4045 • Fax: (562) 989-4044

## FOR LABORATORY USE ONLY

P.O. #: \_\_\_\_\_  
Logged By: \_\_\_\_\_ Date: \_\_\_\_\_

**Method of Transport**

- Client
- ATL
- CA OverN
- FedEx
- 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 Inc. Address: 3160 Gold Valley Dr #800 Tel: 916.852.9118  
Attention: J. Juhrend City: Rancho Cordova State: CA Zip Code: 95742 Fax: 916.852.9132

Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert (Signature)

Relinquished by: (Signature and Printed Name) Date: 5/3/10 Time: 1630 Received by: (Signature and Printed Name) Date: 5/3/10 Time: 1630  
*Josia Ewert* *JGS* *GSO*

Relinquished by: (Signature and Printed Name) Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: (Signature and Printed Name) Date: 5/4/10 Time: 1010  
*Mary*

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend *JJJ* Date: 5/3/10  
Send Report To: Attn: See Above  
Bill To: Attn: See Above  
Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.  
Storage Fees (applies when storage is requested):  
■ Sample :\$2.00 / sample /mo (after 45 days)  
■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA/QC							
	8081A (Pesticides)	8082 (PCB)	8200B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead			PH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#
								X				X					C	1	Ziplock

LAB USE ONLY:	Sample Description			
	Batch #:	Sample ID / Location	Date	Time
LAB USE ONLY:	151 160	B38-1	5/3/10	1225
	152 161	B38-2		1226
	153 162	B39-0		1228
	154 163	B39-0.5		1229
	155 164	B39-1		1230
	156 165	B39-2		1231
	157 166	B40-0		1234
	158 167	B40-0.5		1235
	159 168	B40-1		1236
	160 169	B40-2		1237

■ TAT starts 8AM the following day if samples received after 3 PM  
 TAT:  A = Overnight ≤ 24 hrs  B = Emergency Next Workday  C = Critical 2 Workdays  D = Urgent 3 Workdays  E = Routine 7 Workdays  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
 Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien/ Josh Ewert
-------------------------------	-------------------------	-----------------------------------

Relinquished by: (Signature and Printed Name) <i>Josa Ewert</i> <i>JSE</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1530
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: J. Juhrend Print Name: <i>JJ</i> Signature: <i>JJ</i> Date: 5/3/10	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**

- Sample: \$2.00 / sample /mo (after 45 days)
- Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	Q A / Q C						
	8081A (Pesticides)	8082 (PCB)	8200B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead			pH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Lab No.	Sample ID / Location	Date	Time	
	111565-161		B41-0	5/3/10	1240	
	162		B41-0.5		1241	
	163		B41-1		1242	
	164		B41-2		1243	
	165		B42-0		1244	
	166		B42-0.5		1245	
	167		B42-1		1246	
	168		B42-2		1247	
	169		B43-0		1250	
	170		B43-0.5		1251	

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert (Signature)

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
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: J. Juhrend Print Name: <i>JJ</i> Signature: <i>JJ</i>	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**

- Sample: \$2.00 / sample /mo (after 45 days)
- Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA / QC	
	8081A (Pesticides)	8092 (PCB)	8260B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8021 (BTEX)	TITLE 22 / CAM 17 (8010 / 7000)	Total Lead	pH			SOIL

ITEM	LAB USE ONLY:		Sample Description		
	Batch #:	Sample ID / Location	Date	Time	
	111565-171	B43-1	5/3/10	1252	
	172	B43-2		1253	
	173	B44-0		1256	
	174	B44-0.5		1257	
	175	B44-1		1258	
	176	B44-2		1259	
	177	B45-0		1301	
	178	B45-0.5		1302	
	179	B45-1		1303	
	180	B45-2		1304	

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
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Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL Project #: S9300-06-132 Sampler: Mike O'Brien/ Josh Ewert (Signature)

Relinquished by: (Signature and Printed Name) <i>Josa Ewert</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
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: 5/4/10	Time: 1010

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Print Name: <i>JJ</i> Signature: <i>JJ</i> Date: 5/3/10	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	--

**Sample/Records - Archival & Disposal**  
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 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA / QC							
	8081A (Pesticides)	8082 (PCB)	8200B (Volatiles)	8270C (BVA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead			pH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock
								X				X					C	1	Ziplock

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Lab No.	Sample ID / Location	Date	Time	
	111565-181		B46-0	5/3/10	1307	
	182		B46-0.5		1308	
	183		B46-1		1309	
	184		B46-2		1310	
	185		B47-0		1311	
	186		B47-0.5		1312	
	187		B47-1		1313	
	188		B47-2		1314	
	189		B48-0		1315	
	190		B48-0.5		1316	

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
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Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
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Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien/ Josh Ewert
-------------------------------	-------------------------	-----------------------------------

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
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: J. Juhrend Print Name: <i>JJ</i> Date: 5/3/10 Signature: <i>JJ</i>	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
---	---	--	--

**Sample/Records - Archival & Disposal**  
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**Storage Fees (applies when storage is requested):**  
 ■ Sample :\$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										TAT	#	Type	PRESERVATION	REMARKS
	8081A (Pesticides)	8082 (PCB)	8200B (Volatile)	8270C (BVA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTX)	8015B (DRO)	8021 (BTX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead					

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Sample ID / Location	Date	Time		
	111565-191	B48-1	5/3/10	1320		
	192	B48-2		1321		
	193	B49-0		1323		
	194	B49-0.5		1324		
	195	B49-1		1325		
	196	B49-2		1326		
	197	B50-0		1328		
	198	B50-0.5		1329		
	199	B50-1		1330		
	200	B50-2		1331		

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien/ Josh Ewert (Signature)
-------------------------------	-------------------------	---

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i>	Date: 5/3/10	Time: 1030	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
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: J. Juhrend Print Name: _____ Date: 5/3/10 Signature: _____	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
---	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**  
 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	REMARKS				
	8091A (Pesticides)	8092 (PCB)	8200B (Volatiles)	8270C (BVA)	6010R (Total Metal)	8015R (GRO) / 8020 (BT/EX)	8015B (DRO)	8021 (BT/EX)	Total Lead	pH			SOIL	WATER	GROUND WATER	WASTEWATER

LAB USE ONLY:	Sample Description			
	Batch #:	Sample ID / Location	Date	Time
LAB No.	111565-201	B51-0	5/3/10	1333
	202	B51-0.5		1334
	203	B51-1		1335
	204	B51-2		1336
	205	B52-0		1339
	206	B52-0.5		1339
	207	B52-1		1340
	208	B52-2		1341
	209	B53-0		1343
	210	B53-0.5		1344

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		



# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

3275 Walnut Avenue  
Signal Hill, CA 90755  
Tel: (562) 989-4045 • Fax: (562) 989-4044

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
---------------	---	--

Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
--	---	--

Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien/ Josh Ewert	(Signature)
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Relinquished by: (Signature and Printed Name) J. Juhrend	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) GSO	Date: 5/3/10	Time: 1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) 	Date: 5/4/10	Time: 1010

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Print Name:  PS Date: 5/3/10 Signature:	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
--	---	--	--

**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**  
 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

ITEM	LAB USE ONLY:		Sample Description		
	Batch #:	Sample ID / Location	Date	Time	
	111565-221	B56-0	5/3/10	1359	
	222	B56-0.5		1400	
	223	B56-1		1401	
	224	B56-2		1402	
	225	B57-0		1403	
	226	B57-0.5		1404	
	227	B57-1		1405	
	228	B57-2		1406	
	229	B58-0		1408	
	230	B58-0.5		1409	

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA / QC							
	8081A (Pesticides)	8082 (PCB)	8200B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	Total Lead	Total Cad			pH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#
								X				X							

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		



# CHAIN OF CUSTODY RECORD



**Advanced Technology  
Laboratories**

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

## FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
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Client: Geocon Inc. Attention: J. Juhrend	Address: 3160 Gold Valley Dr #800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
Project Name: Hwy 99 Galt ADL	Project #: S9300-06-132	Sampler: Mike O'Brien / Josh Ewert (Signature)

Relinquished by: (Signature and Printed Name) <i>Josh Ewert</i>	Date: 5/3/10	Time: 1630	Received by: (Signature and Printed Name) <i>GSO</i>	Date: 5/3/10	Time: 1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) <i>Mary</i>	Date: 5/4/10	Time: 1010

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: J. Juhrend Print Name: _____ Signature: <i>[Signature]</i> Date: 5/3/10	Send Report To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: See Above Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogenize as per CalTrans Contract # 03A1368 Please send EDF and EXCEL to cook@geoconinc.com
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**Sample/Records - Archival & Disposal**  
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

**Storage Fees (applies when storage is requested):**  
 ■ Sample: \$2.00 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

LAB USE ONLY: Batch #: Lab No.	Sample Description Sample ID / Location	Date	Time	SPECIFY APPROPRIATE MATRIX														TAT	#	Type	REMARKS
				CIRCLE OR ADD ANALYSIS(ES) REQUESTED																	
111565-241	PC1	5/3/10	0908	8081A (Pesticides) 8082 (PCB) 8200B (Volatiles) 8270C (BVA) 6010B (Total Metal) 8015B (GRO) / 8020 (BTX) 8015B (DRO) 8021 (BTX) TITLE 22 / CAM 17 (6010 / 7000) Total Lead pH SOIL WATER GROUND WATER WASTEWATER PARENT COMPOUNDS														X	1	Ziplock	
242	PC2	↓	1127															↓	↓	↓	
243	PC3	↓	1149															↓	↓	↓	
244	PC4	↓	1425															↓	↓	↓	

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

May 11, 2010



John Juhrend  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742  
TEL: (916) 852-9118  
FAX: (916) 852-9132

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

Workorder No.: 111565

RE: Hwy 99 Galt ADL, S9300-06-132

Attention: John Juhrend

Enclosed are the results for sample(s) received on May 04, 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,

A handwritten signature in black ink, appearing to read "E. Rodriguez", is positioned above the typed name.

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.



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**CLIENT:** Geocon Consultants, Inc.  
**Project:** Hwy 99 Galt ADL, S9300-06-132  
**Lab Order:** 111565

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**CASE NARRATIVE**

Analytical Comments for Method 7420

Dilution was necessary for samples 111565-013A, 111565-017A, 111565-065A, 111565-081A, 111565-085A, 111565-093A, 111565-097A, 111565-101A, 111565-109A, 111565-121A, 111565-125A, 111565-133A, 111565-189A, 111565-213A, 111565-217A, 111565-229A and 111565-233A, due to sample matrix.



LEAD BY ATOMIC ABSORPTION (STLC)  
WET/ EPA 7420

ANALYTICAL RESULTS

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Paint Chips
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-001A	B1-0	7.8	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-005A	B2-0	5.6	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-009A	B3-0	5.7	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-013A	B4-0	14	mg/L	63960	0.50	2	5/3/2010	5/11/2010
111565-017A	B5-0	11	mg/L	63960	0.50	2	5/3/2010	5/11/2010
111565-021A	B6-0	3.8	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-028A	B7-2	6.5	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-037A	B10-0	7.5	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-041A	B11-0	8.0	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-045A	B12-0	8.7	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-049A	B13-0	8.9	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-056A	B14-2	5.5	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-060A	B15-2	3.1	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-065A	B17-0	20	mg/L	63960	2.5	10	5/3/2010	5/11/2010
111565-069A	B18-0	4.5	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-077A	B20-0	7.7	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-081A	B21-0	12	mg/L	63960	0.50	2	5/3/2010	5/11/2010
111565-085A	B22-0	11	mg/L	63960	0.50	2	5/3/2010	5/11/2010

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



**LEAD BY ATOMIC ABSORPTION (STLC)  
WET/ EPA 7420**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Paint Chips
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-086A	B22-0.5	6.1	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-089A	B23-0	4.2	mg/L	63960	0.25	1	5/3/2010	5/11/2010
111565-093A	B24-0	9.7	mg/L	63961	0.50	2	5/3/2010	5/11/2010
111565-094A	B24-0.5	8.7	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-097A	B25-0	15	mg/L	63961	0.50	2	5/3/2010	5/11/2010
111565-101A	B26-0	39	mg/L	63961	2.5	10	5/3/2010	5/11/2010
111565-105A	B27-0	5.4	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-109A	B28-0	9.6	mg/L	63961	0.50	2	5/3/2010	5/11/2010
111565-113A	B29-0	6.0	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-114A	B29-0.5	8.7	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-121A	B31-0	9.3	mg/L	63961	0.50	2	5/3/2010	5/11/2010
111565-125A	B32-0	12	mg/L	63961	0.50	2	5/3/2010	5/11/2010
111565-129A	B33-0	9.0	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-130A	B33-0.5	5.8	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-133A	B34-0	9.7	mg/L	63961	0.50	2	5/3/2010	5/11/2010
111565-137A	B35-0	5.2	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-141A	B36-0	6.8	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-146A	B37-0.5	5.1	mg/L	63961	0.25	1	5/3/2010	5/11/2010

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



**LEAD BY ATOMIC ABSORPTION (STLC)  
WET/ EPA 7420**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Paint Chips
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-153A	B39-0	5.7	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-157A	B40-0	1.6	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-161A	B41-0	6.2	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-165A	B42-0	8.3	mg/L	63961	0.25	1	5/3/2010	5/11/2010
111565-169A	B43-0	3.5	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-177A	B45-0	2.3	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-181A	B46-0	8.1	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-189A	B48-0	11	mg/L	63962	0.50	2	5/3/2010	5/11/2010
111565-201A	B51-0	5.9	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-206A	B52-0.5	0.84	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-209A	B53-0	4.8	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-213A	B54-0	15	mg/L	63962	0.50	2	5/3/2010	5/11/2010
111565-217A	B55-0	11	mg/L	63962	0.50	2	5/3/2010	5/11/2010
111565-221A	B56-0	3.0	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-228A	B57-2	6.8	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-229A	B58-0	19	mg/L	63962	2.5	10	5/3/2010	5/11/2010
111565-233A	B59-0	17	mg/L	63962	0.50	2	5/3/2010	5/11/2010
111565-237A	B60-0	3.4	mg/L	63962	0.25	1	5/3/2010	5/11/2010

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



**LEAD BY ATOMIC ABSORPTION (STLC)  
WET/ EPA 7420**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Paint Chips
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-241A	PC1	2.3	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-242A	PC2	2.4	mg/L	63962	0.25	1	5/3/2010	5/11/2010
111565-244A	PC4	1.3	mg/L	63962	0.25	1	5/3/2010	5/11/2010

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



**LEAD BY ATOMIC ABSORPTION  
WET DI/ EPA 7420**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-001A	B1-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-013A	B4-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-017A	B5-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-021A	B6-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-037A	B10-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-041A	B11-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-045A	B12-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-049A	B13-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-056A	B14-2	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-065A	B17-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-069A	B18-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-077A	B20-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-081A	B21-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-085A	B22-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-086A	B22-0.5	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-089A	B23-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-093A	B24-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-094A	B24-0.5	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010

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



**LEAD BY ATOMIC ABSORPTION  
WET DI/ EPA 7420**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-097A	B25-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-101A	B26-0	ND	mg/L	63957	0.25	1	5/3/2010	5/11/2010
111565-114A	B29-0.5	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-125A	B32-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-129A	B33-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-133A	B34-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-137A	B35-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-141A	B36-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-146A	B37-0.5	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-165A	B42-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-169A	B43-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-177A	B45-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-181A	B46-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-189A	B48-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-206A	B52-0.5	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-213A	B54-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010
111565-233A	B59-0	ND	mg/L	63958	0.25	1	5/3/2010	5/11/2010

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



**LEAD BY ATOMIC ABSORPTION (TCLP)  
EPA 1311/ 7420**

**ANALYTICAL RESULTS**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	Lead	<b>Analyst:</b>	IL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-013A	B4-0	0.33	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-017A	B5-0	0.25	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-077A	B20-0	ND	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-086A	B22-0.5	0.33	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-101A	B26-0	0.46	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-114A	B29-0.5	0.53	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-169A	B43-0	ND	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-177A	B45-0	ND	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-181A	B46-0	ND	mg/L	63988	0.25	1	5/3/2010	5/11/2010
111565-213A	B54-0	0.37	mg/L	63988	0.25	1	5/3/2010	5/11/2010

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



**ANALYTICAL RESULTS**

**pH  
EPA 9045C**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	pH	<b>Analyst:</b>	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-013A	B4-0	7.9	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-017A	B5-0	8.1	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-056A	B14-2	7.7	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-077A	B20-0	7.9	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-085A	B22-0	8.1	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-086A	B22-0.5	8.1	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-094A	B24-0.5	6.9	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-097A	B25-0	7.7	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-101A	B26-0	7.8	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-114A	B29-0.5	7.0	pH Units	R121059	0.10	1	5/3/2010	5/11/2010
111565-125A	B32-0	5.7	pH Units	R121061	0.10	1	5/3/2010	5/11/2010
111565-129A	B33-0	5.9	pH Units	R121061	0.10	1	5/3/2010	5/11/2010
111565-133A	B34-0	5.3	pH Units	R121061	0.10	1	5/3/2010	5/11/2010
111565-146A	B37-0.5	8.0	pH Units	R121061	0.10	1	5/3/2010	5/11/2010
111565-169A	B43-0	8.0	pH Units	R121061	0.10	1	5/3/2010	5/11/2010
111565-177A	B45-0	7.6	pH Units	R121061	0.10	1	5/3/2010	5/11/2010
111565-181A	B46-0	7.6	pH Units	R121061	0.10	1	5/3/2010	5/11/2010
111565-189A	B48-0	7.2	pH Units	R121061	0.10	1	5/3/2010	5/11/2010

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



**ANALYTICAL RESULTS**

**pH  
EPA 9045C**

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Lab Order:</b>	111565
<b>Project:</b>	Hwy 99 Galt ADL, S9300-06-132	<b>Date Received</b>	5/4/2010 10:10:00 AM
<b>Project No:</b>		<b>Matrix:</b>	Soil
<b>Analyte:</b>	pH	<b>Analyst:</b>	CBB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
111565-213A	B54-0	7.5	pH Units	R121061	0.10	1	5/3/2010	5/11/2010
111565-233A	B59-0	8.2	pH Units	R121061	0.10	1	5/3/2010	5/11/2010

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected 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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 7420\_DI\_GEOCON**

Sample ID: <b>MB-63957A</b>	SampType: <b>MBLK</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121054</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63957</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: <b>LCS-63957</b>	SampType: <b>LCS</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121054</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63957</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933203</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 4.998 0.25 5.000 0 100 80 120

Sample ID: <b>111565-065A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121054</b>						
Client ID: <b>B17-0</b>	Batch ID: <b>63957</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933214</b>						
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: <b>111565-065A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121054</b>						
Client ID: <b>B17-0</b>	Batch ID: <b>63957</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933215</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

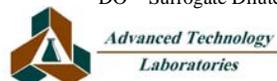
Lead 4.977 0.25 5.000 0 99.5 70 130

Sample ID: <b>MB-63957B</b>	SampType: <b>MBLK</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121054</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63957</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933216</b>						
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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7420\_DI\_GEOCON**

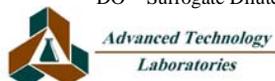
Sample ID: <b>111565-101A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121054</b>						
Client ID: <b>B26-0</b>	Batch ID: <b>63957</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933227</b>						
Analyte	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: <b>111565-101A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121054</b>						
Client ID: <b>B26-0</b>	Batch ID: <b>63957</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933228</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.051	0.25	5.000	0	101	70	130				

Sample ID: <b>111565-101A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121054</b>						
Client ID: <b>B26-0</b>	Batch ID: <b>63957</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933229</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.038	0.25	5.000	0	101	70	130	5.051	0.259	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   |  |



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7420\_DI\_GEOCON**

Sample ID: <b>MB-63958A</b>	SampType: <b>MBLK</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121055</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63958</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933230</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: <b>LCS-63958</b>	SampType: <b>LCS</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121055</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63958</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933231</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 4.915 0.25 5.000 0 98.3 80 120

Sample ID: <b>111565-177A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121055</b>						
Client ID: <b>B45-0</b>	Batch ID: <b>63958</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933242</b>						
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: <b>111565-177A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121055</b>						
Client ID: <b>B45-0</b>	Batch ID: <b>63958</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933243</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

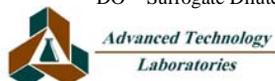
Lead 4.899 0.25 5.000 0 98.0 70 130

Sample ID: <b>MB-63958B</b>	SampType: <b>MBLK</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121055</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63958</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933244</b>						
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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7420\_DI\_GEOCON**

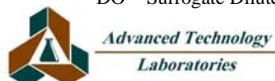
Sample ID: <b>111565-233A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121055</b>						
Client ID: <b>B59-0</b>	Batch ID: <b>63958</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933250</b>						
Analyte	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: <b>111565-233A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121055</b>						
Client ID: <b>B59-0</b>	Batch ID: <b>63958</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933251</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.869	0.25	5.000	0	97.4	70	130				

Sample ID: <b>111565-233A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7420_DI_GE</b>	Units: <b>mg/L</b>	Prep Date: <b>5/8/2010</b>	RunNo: <b>121055</b>						
Client ID: <b>B59-0</b>	Batch ID: <b>63958</b>	TestNo: <b>WET DI/ EPA WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933252</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.908	0.25	5.000	0	98.2	70	130	4.869	0.800	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7420\_ST**

Sample ID: <b>MB-63960A</b>	SampType: <b>MBLK</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121040</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63960</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933028</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: <b>LCS-63960</b>	SampType: <b>LCS</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121040</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63960</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933029</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 4.945 0.25 5.000 0 98.9 80 120

Sample ID: <b>111565-045A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121040</b>						
Client ID: <b>B12-0</b>	Batch ID: <b>63960</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933040</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 8.702 0.25 8.720 0.202 20

Sample ID: <b>111565-045A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121040</b>						
Client ID: <b>B12-0</b>	Batch ID: <b>63960</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933041</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

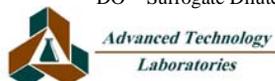
Lead 12.912 0.50 5.000 8.720 83.8 80 120

Sample ID: <b>MB-63960B</b>	SampType: <b>MBLK</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121040</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63960</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933042</b>						
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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7420\_ST**

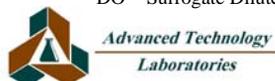
Sample ID: <b>111565-089A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121040</b>						
Client ID: <b>B23-0</b>	Batch ID: <b>63960</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933053</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.239	0.25						4.191	1.14	20	

Sample ID: <b>111565-089A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121040</b>						
Client ID: <b>B23-0</b>	Batch ID: <b>63960</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933054</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.274	0.50	5.000	4.191	102	80	120				

Sample ID: <b>111565-089A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121040</b>						
Client ID: <b>B23-0</b>	Batch ID: <b>63960</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933055</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.334	0.50	5.000	4.191	103	80	120	9.274	0.642	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7420\_ST**

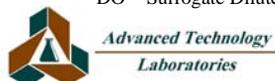
Sample ID: <b>111565-165A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121041</b>						
Client ID: <b>B42-0</b>	Batch ID: <b>63961</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933081</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.236	0.25						8.258	0.267	20	

Sample ID: <b>111565-165A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121041</b>						
Client ID: <b>B42-0</b>	Batch ID: <b>63961</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933082</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.804	0.50	5.000	8.258	111	80	120				

Sample ID: <b>111565-165A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121041</b>						
Client ID: <b>B42-0</b>	Batch ID: <b>63961</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933083</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.826	0.50	5.000	8.258	111	80	120	13.80	0.155	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7420\_ST**

Sample ID: <b>MB-63962A</b>	SampType: <b>MBLK</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121042</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63962</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933091</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: <b>LCS-63962</b>	SampType: <b>LCS</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121042</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63962</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933092</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 5.047 0.25 5.000 0 101 80 120

Sample ID: <b>111565-221A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121042</b>						
Client ID: <b>B56-0</b>	Batch ID: <b>63962</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933103</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 2.999 0.25 2.993 0.207 20

Sample ID: <b>111565-221A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121042</b>						
Client ID: <b>B56-0</b>	Batch ID: <b>63962</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933104</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

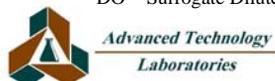
Lead 7.778 0.25 5.000 2.993 95.7 80 120

Sample ID: <b>MB-63962B</b>	SampType: <b>MBLK</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121042</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63962</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933105</b>						
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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7420\_ST**

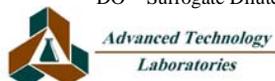
Sample ID: <b>111565-228A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121042</b>						
Client ID: <b>B57-2</b>	Batch ID: <b>63962</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933113</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.706	0.25						6.771	0.957	20	

Sample ID: <b>111565-228A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121042</b>						
Client ID: <b>B57-2</b>	Batch ID: <b>63962</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933114</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.155	0.50	5.000	6.771	108	80	120				

Sample ID: <b>111565-228A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7420_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>5/7/2010</b>	RunNo: <b>121042</b>						
Client ID: <b>B57-2</b>	Batch ID: <b>63962</b>	TestNo: <b>WET/ EPA 74 WET</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933115</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.121	0.50	5.000	6.771	107	80	120	12.15	0.277	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 7420\_TC

Sample ID: <b>111565-213A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7420_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>5/10/2010</b>	RunNo: <b>121053</b>						
Client ID: <b>B54-0</b>	Batch ID: <b>63988</b>	TestNo: <b>EPA 1311/ 74 EPA3010A</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933201</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.757	0.25	2.500	0.3714	95.4	70	130	2.718	1.44	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 9045\_S

Sample ID: <b>111565-114ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>9045_S</b>	Units: <b>pH Units</b>	Prep Date: <b>5/11/2010</b>	RunNo: <b>121059</b>						
Client ID: <b>B29-0.5</b>	Batch ID: <b>R121059</b>	TestNo: <b>EPA 9045C</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933280</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.060	0.10						7.020	0.568	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:** 111565  
**Project:** Hwy 99 Galt ADL, S9300-06-132

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 9045\_S

Sample ID: <b>111565-233ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>9045_S</b>	Units: <b>pH Units</b>	Prep Date:	RunNo: <b>121061</b>						
Client ID: <b>B59-0</b>	Batch ID: <b>R121061</b>	TestNo: <b>EPA 9045C</b>		Analysis Date: <b>5/11/2010</b>	SeqNo: <b>1933299</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.240	0.10						8.220	0.243	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:** Rebecca Silva [silva@geoconinc.com]  
**Sent:** Thursday, May 06, 2010 3:47 PM  
**To:** Diane Galvan  
**Subject:** RE: Results/EDD - Hwy 99 Galt ADL (111565)

Diane –

Please analyze soil samples with total lead from 50 to 99 mg/kg for WET lead on 72-hr TAT.

Please analyze soil samples with total lead = or > 100 mg/kg for WET lead and DI-WET lead on 72-hr TAT.

I will also be assigning pH and TCLP on select soil samples. I will let you know which as soon as I can.

I will let you know if we need additional analyses on the paint chip samples too.

Thanks,  
Rebecca

## Diane Galvan

---

**From:** Rebecca Silva [silva@geoconinc.com]  
**Sent:** Thursday, May 06, 2010 3:52 PM  
**To:** Diane Galvan  
**Subject:** 111565

Diane -

Please analyze the following 10 samples for TCLP on 72-hr TAT.

B54-0  
B46-0  
B45-0  
B43-0

B20-0  
B29-0.5  
B5-0  
B4-0  
B22-0.5  
B26-0

Thanks!

**Rebecca L. Silva, REA**  
**Senior Project Scientist**

**Please visit our new website at** <http://www.geoconinc.com>

**Geocon Consultants, Inc.**  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742  
Tel (916) 852-9118  
Fax (916) 852-9132  
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## Diane Galvan

---

**From:** Rebecca Silva [silva@geoconinc.com]  
**Sent:** Thursday, May 06, 2010 3:57 PM  
**To:** Diane Galvan  
**Subject:** 111565

Diane -

Please analyze the following 20 soil samples for pH on 72-hr TAT.

B14-2  
B22-0  
B24-0.5  
B25-0  
B20-0  
B29-0.5  
B5-0  
B4-0  
B22-0.5  
B26-0

B37-0.5  
B59-0  
B33-0  
B34-0  
B32-0  
B48-0  
B54-0  
B46-0  
B45-0  
B43-0

Thanks,

**Rebecca L. Silva, REA**  
**Senior Project Scientist**

**Please visit our new website at** <http://www.geoconinc.com>

### **Geocon Consultants, Inc.**

3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742  
Tel (916) 852-9118  
Fax (916) 852-9132  
Cell (916) 508-1910



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## Diane Galvan

---

**From:** Rebecca Silva [silva@geoconinc.com]  
**Sent:** Thursday, May 06, 2010 4:03 PM  
**To:** Diane Galvan  
**Cc:** 'Gemma Reblando'  
**Subject:** Paint Chip - 111565

Diane – Please assign paint chip samples with lead >50 mg/kg for WET lead on 72-hr TAT.

**Rebecca L. Silva, REA**  
**Senior Project Scientist**

**Please visit our new website at <http://www.geoconinc.com>**

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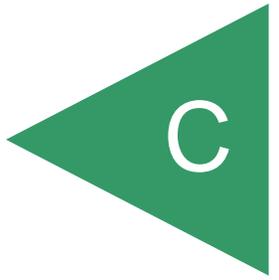


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APPENDIX



## **DESCRIPTION OF DATA SET**

---

Project Name: Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Project No.: S9300-06-132  
Sample Interval: 0.0 to 0.5 ft

### **HIGHWAY 99 PM 3.3 TO 3.8**

### **Borings B1 through B30**

## **DATA SET STATISTICS**

---

Number of Valid Samples	30
Number of Distinct Samples	23
Minimum	2.5
Maximum	1000
Mean	137.59
Median	120
Standard Deviation	186.8222747
Variance	34902.56231
Coefficient of Variation	1.357818698
Skewness	3.664811204
Mean of log data	4.121925207
Standard Deviation of log data	1.576065301

### **90% Non-parametric UCLs**

Standard Bootstrap UCL	181.282666
------------------------	------------

### **95% Non-parametric UCLs**

Standard Bootstrap UCL	193.765845
------------------------	------------

## **DESCRIPTION OF DATA SET**

---

Project Name: Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Project No.: S9300-06-132  
Sample Interval: 0.5 to 1.0 ft

### **HIGHWAY 99 PM 3.3 TO 3.8**

### **Borings B1 through B30**

## **DATA SET STATISTICS**

---

Number of Valid Samples	30
Number of Distinct Samples	23
Minimum	2.5
Maximum	440
Mean	37.85333333
Median	7.4
Standard Deviation	94.87181091
Variance	9000.660506
Coefficient of Variation	2.506300042
Skewness	3.441131846
Mean of log data	2.344874628
Standard Deviation of log data	1.281809447

### **90% Non-parametric UCLs**

Standard Bootstrap UCL	59.80293577
------------------------	-------------

### **95% Non-parametric UCLs**

Standard Bootstrap UCL	65.63702317
------------------------	-------------

## **DESCRIPTION OF DATA SET**

---

Project Name: Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Project No.: S9300-06-132  
Sample Interval: 1.0 to 2.0 ft

### **HIGHWAY 99 PM 3.3 TO 3.8**

### **Borings B1 through B30**

## **DATA SET STATISTICS**

---

Number of Valid Samples	30
Number of Distinct Samples	19
Minimum	2.5
Maximum	27
Mean	9.096666667
Median	6.2
Standard Deviation	6.605300
Variance	43.629989
Coefficient of Variation	0.726123
Skewness	1.385505
Mean of log data	1.985985
Standard Deviation of log data	0.667515

### **90% Non-parametric UCLs**

Standard Bootstrap UCL	10.65386248
------------------------	-------------

### **95% Non-parametric UCLs**

Standard Bootstrap UCL	11.07348627
------------------------	-------------

## **DESCRIPTION OF DATA SET**

---

Project Name: Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Project No.: S9300-06-132  
Sample Interval: 2.0 to 3.0 ft

### **HIGHWAY 99 PM 3.3 TO 3.8**

### **Borings B1 through B30**

## **DATA SET STATISTICS**

---

Number of Valid Samples	30
Number of Distinct Samples	22
Minimum	2.5
Maximum	180
Mean	16.89
Median	6.25
Standard Deviation	35.113966
Variance	1232.990586
Coefficient of Variation	2.078980
Skewness	3.950612
Mean of log data	2.041260
Standard Deviation of log data	1.025801

### **90% Non-parametric UCLs**

Standard Bootstrap UCL 25.00587744

### **95% Non-parametric UCLs**

Standard Bootstrap UCL 27.22460925

SUMMARY OF STATISTICAL ANALYSIS  
HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
GALT, SACRAMENTO COUNTY, CALIFORNIA

**HIGHWAY 99 PM 3.3 TO 3.8**  
**Borings B1 through B30**

Total Lead UCLs (mg/kg)		
Sample Interval (feet)	90% UCL	95% UCL
0.0 to 0.5	181.3	193.8
0.5 to 1.0	59.8	65.6
1.0 to 2.0	10.7	11.1
2.0 to 3.0	25.0	27.2

Excavation Scenarios				
Excavation Depth	90% UCL		95% UCL	
	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)
0.0 to 0.5	181.3	<b>8.1</b>	193.8	<b>8.7</b>
Underlying Soil (0.5 to 3.0 feet)	26.2	1.2	28.4	1.3
0.0 to 1.0 foot	120.6	<b>5.4</b>	129.7	<b>5.8</b>
Underlying Soil (1.0 to 3.0 feet)	17.9	0.8	19.2	0.9
0.0 to 2.0 feet	65.6	2.9	70.4	3.2
Underlying Soil (2.0 to 3.0 feet)	25.0	1.1	27.2	1.2
0.0 to 3.0 feet	52.1	2.3	56.0	2.5

Notes:

UCL = Upper Confidence Level

90% UCL applicable for waste classification and onsite reuse

95% UCL applicable for risk assessment and offsite disposal

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

\* = Soluble (WET) lead concentrations were predicted using slope of the regression line,  
where  $y$  = predicted soluble (WET) lead and  $x$  = total lead

Regression Line Slope:  $y = 0.0449 x$

**DESCRIPTION OF DATA SET**

---

Project Name: Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Project No.: S9300-06-132  
Sample Interval: 0.0 to 0.5 ft

**HIGHWAY 99 PM 1.3 TO 1.9****Borings B31 through B60****DATA SET STATISTICS**

---

Number of Valid Samples	30
Number of Distinct Samples	27
Minimum	2.5
Maximum	340
Mean	102.4033333
Median	90
Standard Deviation	82.45166393
Variance	6798.276885
Coefficient of Variation	0.805165821
Skewness	1.217619294
Mean of log data	4.157419
Standard Deviation of log data	1.230658577

**90% Non-parametric UCLs**

Standard Bootstrap UCL	121.9134154
------------------------	-------------

**95% Non-parametric UCLs**

Standard Bootstrap UCL	126.4791068
------------------------	-------------

## **DESCRIPTION OF DATA SET**

---

Project Name: Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Project No.: S9300-06-132  
Sample Interval: 0.5 to 1.0 ft

### **HIGHWAY 99 PM 1.3 TO 1.9 Borings B31 through B60**

## **DATA SET STATISTICS**

---

Number of Valid Samples	30
Number of Distinct Samples	25
Minimum	2.5
Maximum	130
Mean	22.23
Median	9.65
Standard Deviation	31.3858869
Variance	985.0738966
Coefficient of Variation	1.411870756
Skewness	2.612595783
Mean of log data	2.426041439
Standard Deviation of log data	1.150601198

### **90% Non-parametric UCLs**

Standard Bootstrap UCL 29.29973271

### **95% Non-parametric UCLs**

Standard Bootstrap UCL 31.6221148

## **DESCRIPTION OF DATA SET**

---

Project Name: Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Project No.: S9300-06-132  
Sample Interval: 1.0 to 2.0 ft

### **HIGHWAY 99 PM 1.3 TO 1.9 Borings B31 through B60**

## **DATA SET STATISTICS**

---

Number of Valid Samples	30
Number of Distinct Samples	15
Minimum	2.5
Maximum	29
Mean	6.72
Median	5.45
Standard Deviation	6.720755
Variance	45.168552
Coefficient of Variation	1.000112
Skewness	2.494169
Mean of log data	1.591877
Standard Deviation of log data	0.745487

### **90% Non-parametric UCLs**

Standard Bootstrap UCL 8.22916676

### **95% Non-parametric UCLs**

Standard Bootstrap UCL 8.706902777

## **DESCRIPTION OF DATA SET**

---

Project Name: Highway 99 Post Mile 1.3 to 1.9 and 3.3 to 3.8  
Project No.: S9300-06-132  
Sample Interval: 2.0 to 3.0 ft

### **HIGHWAY 99 PM 1.3 TO 1.9 Borings B31 through B60**

## **DATA SET STATISTICS**

---

Number of Valid Samples	30
Number of Distinct Samples	12
Minimum	2.5
Maximum	67
Mean	6.83
Median	2.5
Standard Deviation	12.102213
Variance	146.463552
Coefficient of Variation	1.771920
Skewness	4.598838
Mean of log data	1.433252
Standard Deviation of log data	0.793946

### **90% Non-parametric UCLs**

Standard Bootstrap UCL 9.716633474

### **95% Non-parametric UCLs**

Standard Bootstrap UCL 10.43058996

SUMMARY OF STATISTICAL ANALYSIS  
HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8  
GALT, SACRAMENTO COUNTY, CALIFORNIA

**HIGHWAY 99 PM 1.3 TO 1.9**  
**Borings B31 through B60**

Total Lead UCLs (mg/kg)		
Sample Interval (feet)	90% UCL	95% UCL
0.0 to 0.5	121.9	126.5
0.5 to 1.0	29.3	31.6
1.0 to 2.0	8.2	8.7
2.0 to 3.0	9.7	10.4

Excavation Scenarios				
Excavation Depth	90% UCL		95% UCL	
	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)
0.0 to 0.5	121.9	5.5	126.5	5.7
Underlying Soil (0.5 to 3.0 feet)	13.0	0.6	14.0	0.6
0.0 to 1.0 foot	75.6	3.4	79.1	3.5
Underlying Soil (1.0 to 3.0 feet)	9.0	0.4	9.6	0.4
0.0 to 2.0 feet	41.9	1.9	43.9	2.0
Underlying Soil (2.0 to 3.0 feet)	9.7	0.4	10.4	0.5
0.0 to 3.0 feet	31.2	1.4	32.7	1.5

Notes:

UCL = Upper Confidence Level

90% UCL applicable for waste classification and onsite reuse

95% UCL applicable for risk assessment and offsite disposal

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

\* = Soluble (WET) lead concentrations were predicted using slope of the regression line,

where  $y$  = predicted soluble (WET) lead and  $x$  = total lead

Regression Line Slope:  $y = 0.0449 x$

**HIGHWAY 99 POST MILE 1.3 TO 1.9 AND 3.3 TO 3.8**  
**S9300-06-132**

Sample ID	Total Lead (mg/kg)	WET Lead (mg/l)	Residual WET Lead (mg/l)	Squared Residual WET Lead (mg/l)				
					slope	y-intercept	predicted WET	residual WET
					0.0449	0		
B15-2	65	3.1	0.18	0.03			2.9	0.18
B35-0	110	5.2	0.26	0.07			4.9	0.26
B24-0.5	200	8.7	-0.28	0.08			9.0	-0.28
B56-0	81	3.0	-0.64	0.41			3.6	-0.64
B40-0	52	1.6	-0.74	0.54			2.3	-0.74
B37-0.5	130	5.1	-0.74	0.55			5.8	-0.74
B18-0	120	4.5	-0.89	0.79			5.4	-0.89
B60-0	53	3.4	1.02	1.04			2.4	1.02
B36-0	120	6.8	1.41	1.99			5.4	1.41
B5-0	280	11	-1.58	2.49			12.6	-1.58
B23-0	130	4.2	-1.64	2.69			5.8	-1.64
B10-0	130	7.5	1.66	2.76			5.8	1.66
B13-0	160	8.9	1.71	2.93			7.2	1.71
B41-0	99	6.2	1.75	3.07			4.4	1.75
B12-0	150	8.7	1.96	3.85			6.7	1.96
B51-0	84	5.9	2.13	4.52			3.8	2.13
B20-0	220	7.7	-2.18	4.76			9.9	-2.18
B53-0	57	4.8	2.24	5.02			2.6	2.24
B2-0	73	5.6	2.32	5.39			3.3	2.32
B1-0	120	7.8	2.41	5.81			5.4	2.41
B3-0	72	5.7	2.47	6.08			3.2	2.47
B6-0	140	3.8	-2.49	6.19			6.3	-2.49
B14-2	180	5.5	-2.59	6.68			8.1	-2.59
B11-0	120	8.0	2.61	6.81			5.4	2.61
B46-0	240	8.1	-2.68	7.19			10.8	-2.68
B33-0	140	9.0	2.71	7.35			6.3	2.71
B39-0	65	5.7	2.78	7.73			2.9	2.78
B42-0	120	8.3	2.91	8.47			5.4	2.91
B22-0	180	11	2.91	8.49			8.1	2.91
B33-0.5	64	5.8	2.93	8.56			2.9	2.93
B29-0.5	260	8.7	-2.98	8.87			11.7	-2.98
B7-2	77	6.5	3.04	9.25			3.5	3.04
B29-0	64	6.0	3.13	9.77			2.9	3.13
B27-0	50	5.4	3.15	9.95			2.2	3.15
B48-0	170	11	3.36	11.32			7.6	3.36
B34-0	140	9.7	3.41	11.64			6.3	3.41
B57-2	67	6.8	3.79	14.37			3.0	3.79
B24-0	120	9.7	4.31	18.57			5.4	4.31
B4-0	410	14	-4.42	19.51			18.4	-4.42
B52-0.5	120	0.84	-4.55	20.70			5.4	-4.55
B32-0	160	12	4.81	23.16			7.2	4.81
B31-0	93	9.3	5.12	26.24			4.2	5.12
B25-0	210	15	5.57	30.99			9.4	5.57
B26-0	1,000	39	-5.92	35.03			44.9	-5.92
B21-0	130	12	6.16	37.95			5.8	6.16
B54-0	190	15	6.47	41.80			8.5	6.47
B55-0	97	11	6.64	44.13			4.4	6.64
B28-0	55	9.6	7.13	50.83			2.5	7.13

**Not Used**

B45-0	290	2.3	-10.73	115.06	13.0	-10.73
B43-0	340	3.5	-11.77	138.59	15.3	-11.77
B59-0	130	17	11.16	124.56	5.8	11.16
B22-0.5	440	6.1	-13.66	186.71	19.8	-13.66
B58-0	87	19	15.09	227.77	3.9	15.09
B17-0	100	20	15.51	240.50	4.5	15.51

