INFORMATION HANDOUT

For Contract No. 10-0Y1004
At Sta - 99 - R11.7/R15.0

Identified by
Project ID 1013000268

MATERIALS INFORMATION

Water Source Information
Manufacturer's Drawing for Alternative Flared Terminal System
Aerially Deposited Lead Site Investigation Report - State Route 99 Mitchell Road Median Barrier Project
Aerially Deposited Lead Site Investigation Report - State Route 99 Kansas Avenue to Tuolumne Boulevard

REPLACED PER ADDENDUM NO. 1 DATED DECEMBER 30, 2015

Won, Randall@DOT

From: Palatino, Manuel C@DOT
Sent: Friday, October 09, 2015 10:52 AM
To: Won, Randall@DOT
Subject: FW: water availability source

FYI

From: Mike Kavarian [mailto:mikavarian@tid.org]
Sent: Friday, October 09, 2015 10:24 AM
To: Palatino, Manuel C@DOT
Cc: Mike Kavarian
Subject: RE: water availability source

Manny,

We have a process that customers like you would go through to pump water out of canal system. As of this time, we do allow contractors to pump water from our canal system as long as they contact us prior to pumping and fill out the appropriate paper work. I do not know what the policy may be next year if we are in the fifth year drought. But as of right now I could tell you yes we would have water available for your projects.

If you have any further questions, please do not hesitate to contact me.

Mike Kavarian
Water Distribution Department Manager
(209) 883-8381 (office)
(209) 535-3805 (mobile)
mikavarian@tid.org

From: Palatino, Manuel C@DOT [mailto:manuel.palatino@dot.ca.gov]
Sent: Friday, October 09, 2015 9:33 AM
To: Mike Kavarian
Subject: FW: water availability source

Good morning Mike,
Just an added information below that the project calculated water usage(non potable) will be 10,000 gallons.
I would greatly appreciate if you can respond to this email today so I can include it to the PS&E package.

Again, Thank you

Manny

From: Palatino, Manuel C@DOT
Sent: Thursday, October 08, 2015 9:36 AM
To: 'mikavarian@tid.org'
Subject: water availability source

Hello Mike,

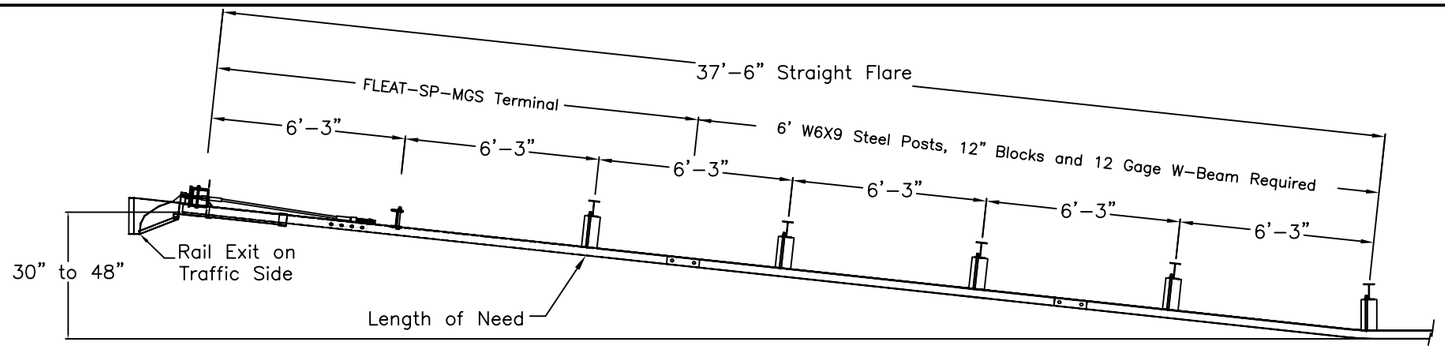
My name is Manuel Palatino and working as a Project Engineer with Caltrans. I am working on project with EA 10-0Y1001 that will start Construction by June 2016 and completed by December 2016. The project proposes to install Highway Lighting along the median on SR-99 in the City of Ceres, Stanislaus County. The project begins North Street Undercrossing to Tuolumne River bridge.

One of the requirement is to provide in each of our projects a non- potable water source in an information handout as part of our Plan,Specification, and Estimate (PS&E) package. I would like to know if the Turlock Irrigation District have either non-potable or potable water(if there's no non -potable)available that could be listed as a potential water source for this project. We understand that if the source is available, the contractor would contact TID to apply for permit prior to start of construction.

I would greatly appreciate if you could email me back to let me know if you do have a source.

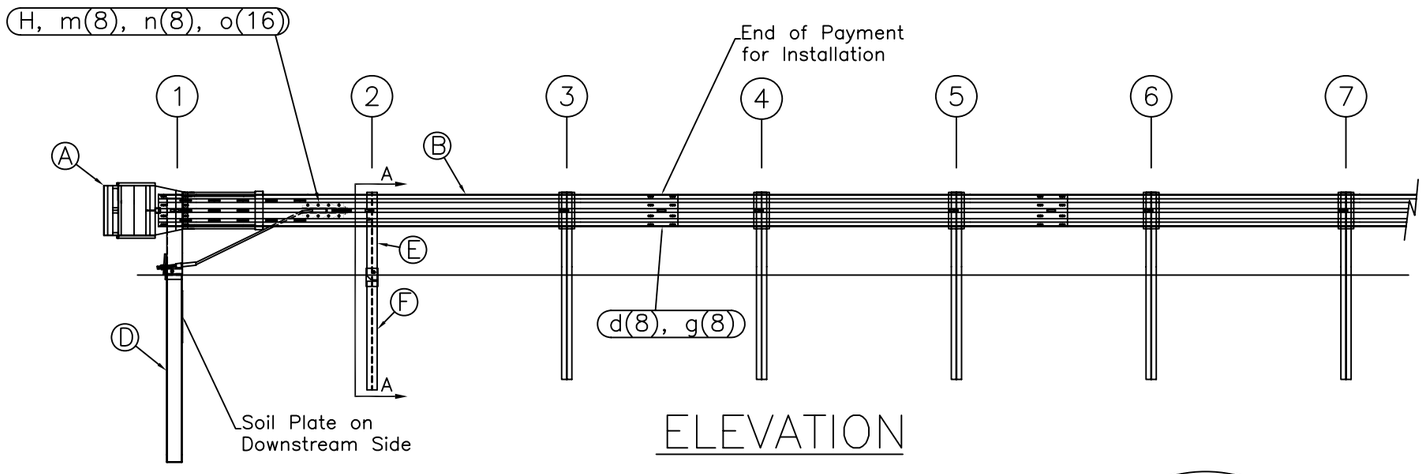
Please let me know If you have any questions or need of additional information about the project.

Thank You
Manny Palatino
Project Engineer
Central Region Design IV-Branch J
(209) 942-6028

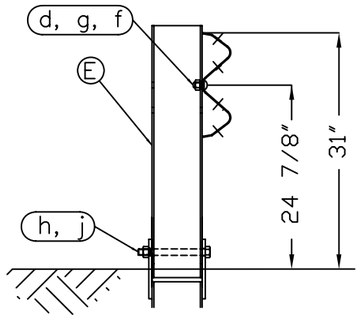


PLAN

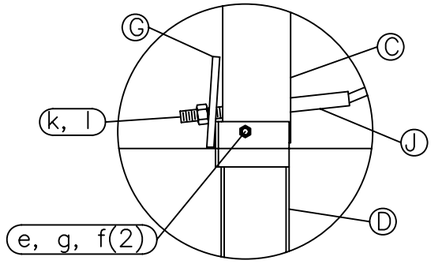
TRAFFIC



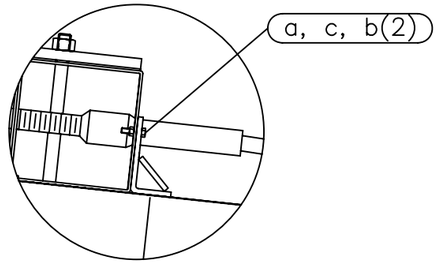
ELEVATION



SECTION A-A
Post #2



Post #1 Connection Detail



Impact Head Connection Detail

ITEM	QTY	BILL OF MATERIALS	ITEM NO.
A	1	IMPACT HEAD	F3000
B	1	W-BEAM GUARDRAIL END SECTION, 12 Ga.	MGS-SF1303
C	1	FIRST POST TOP (6X6X$\frac{1}{8}$" Tube)	TPHP1A
D	1	FIRST POST BOTTOM (6' W6X15)	TPHP1B
E	1	SECOND POST ASSEMBLY TOP	UHP2A
F	1	SECOND POST ASSEMBLY BOTTOM	HP3B
G	1	BEARING PLATE	E750
H	1	CABLE ANCHOR BOX	S760
J	1	BCT CABLE ANCHOR ASSEMBLY	E770
		HARDWARE (ALL DIMENSIONS IN INCHES)	
a	2	5/16 x 1 HEX BOLT GRD 5	B5160104A
b	4	5/16 WASHER	W0516
c	2	5/16 HEX NUT	N0516
d	9	5/8 Dia. x 1 1/4 SPLICE BOLT (POST #2)	B580122
e	1	5/8 Dia. x 9 HEX BOLT GRD 5	B580904A
f	3	5/8 WASHER	W050
g	10	5/8 Dia. H.G.R NUT	N050
h	1	3/4 Dia. x 8 1/2 HEX BOLT GRD A449	B340854A
j	1	3/4 Dia. HEX NUT	N030
k	2	1 ANCHOR CABLE HEX NUT	N100
l	2	1 ANCHOR CABLE WASHER	W100
m	8	CABLE ANCHOR BOX SHOULDER BOLT	SB58A
n	8	1/2 A325 STRUCTURAL NUT	N055A
o	16	1 1/16 OD x 9/16 ID A325 STR. WASHER	W050A

GENERAL NOTES:
1. All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
2. The lower sections of the Posts 1&2 shall not protrude more than 4 in above the ground (measured along a 5' cord). Site grading may be necessary to meet this requirement.
3. The lower sections of the hinged posts should not be driven with the upper post attached. If the post is placed in a drilled hole, the backfill material must be satisfactorily compacted to prevent settlement.
4. When competent rock is encountered, a 12" Ø post hole, 20 in. deep cored into the rock surface may be used if approved by the engineer for post 1. Granular material will be placed in the bottom of the hole, approximately 2.5" deep to provide drainage. The first post can be field cut to length, placed in the hole and backfilled with suitable backfill. The soil plate may be trimmed if required.
5. The breakaway cable assembly must be taut. A locking device (vice grips or channel lock pliers) should be used to prevent the cable from twisting when tightening nuts.

RSI
Road Systems, Inc.
Big Spring, TX
Phone: 432-263-2435
or Phone: 330-346-0721

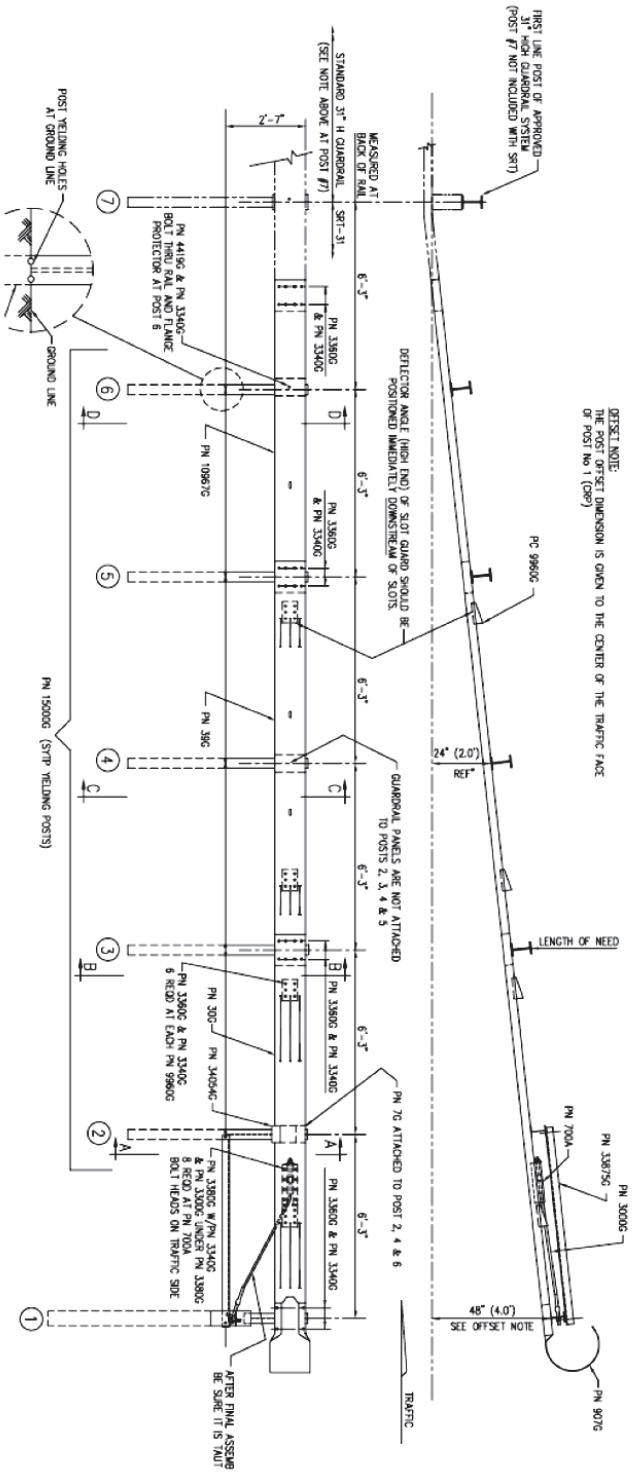
FLEAT-SP-MGS Terminal Midwest Guardrail System 31" Top of Rail

Sheet:	Date:	By:
1	02/24/10	JRR

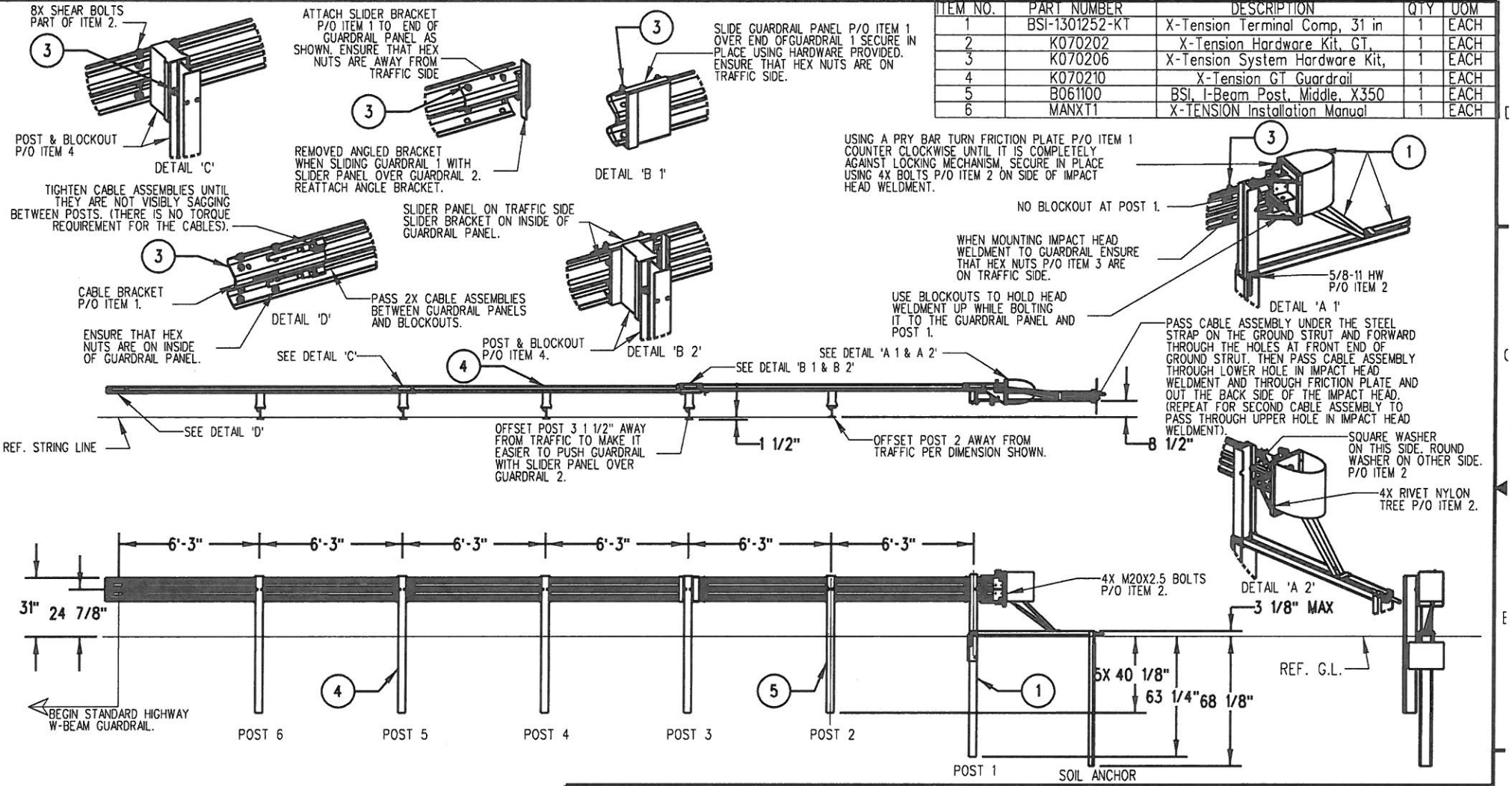
Drawing Name:	Scale:	Rev:
FLT-SP-S-MGS	None	0

SRT™-31 SYSTEM

FOR SPECIFIC INSTALLATION, MAINTENANCE, OR REPAIR DETAILS, REFER TO THE STATE/SPECIFYING AGENCY'S STANDARD DRAWING(S) AND/OR TRINITY STANDARD LAYOUT DRAWINGS



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	UOM
1	BSI-1301252-KT	X-Tension Terminal Comp, 31 in	1	EACH
2	K070202	X-Tension Hardware Kit, GT,	1	EACH
3	K070206	X-Tension System Hardware Kit,	1	EACH
4	K070210	X-Tension GT Guardrail	1	EACH
5	B061100	BSI, I-Beam Post, Middle, X350	1	EACH
6	MANXT1	X-TENSION Installation Manual	1	EACH



NOTES: UNLESS OTHERWISE SPECIFIED.

1. SYSTEM TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
2. ONLY TIGHTEN THE CABLE ASSEMBLIES USING THE NUTS AT THE CABLE BRACKET (SEE DETAIL 'D'). DO NOT TIGHTEN THE CABLES AT THE FRONT OF THE GROUND ANCHOR.
3. WHEN DRIVING STEEL POST, ENSURE THAT A DRIVING CAP WITH TIMBER OR PLASTIC INSERT IS USED TO PREVENT DAMAGE TO THE GALVANIZING TO THE TOP OF THE POST.

APPROVALS

DRAWN BY:	NMV
DRAWN DATE:	2/08/13
APPR'D BY:	JMT
APPR'D DATE:	2/08/13

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
FRACTIONS ±1/16 DECIMAL .XX ±.03 .XXX ±.010 ANGLES ±1/2°
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

REV	ECN#	DATE
B	2067	05/02/13
A	2022	2/08/13

LINDSAY TRANSPORTATION SOLUTIONS™
BARRIER SYSTEMS INC.
3333 Vaca Valley Parkway Ste 800
Vacaville, CA 95688
Tel: 888-800-3691
www.barriersystemsinc.com

TITLE
X-TENSION GUARDRAIL TERMINAL SYSTEM
STEEL POST WITH COMPOSITE BLOCKOUT
31" RAIL HEIGHT

SIZE	DWG NO.	REV.
B	XTGTSS5	B

SCALE 1:50 SHEET 1 OF 1

Doc. B100108

GEOCON

CONSULTANTS, INC.

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

STATE ROUTE 99
MITCHELL ROAD MEDIAN BARRIER
STANISLAUS COUNTY, CALIFORNIA

PREPARED FOR

CALTRANS DEPARTMENT OF
TRANSPORTATION – DISTRICT 6
FRESNO, CALIFORNIA

GEOCON PROJECT NO. S9230-06-12

MAY 2008

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. S9230-06-12
May 22, 2008

Mr. Ken Doran
California Department of Transportation - District 6
2015 East Shield, Suite 100
Fresno, California 93726

Subject: STATE ROUTE 99 MITCHELL ROAD MEDIAN BARRIER PROJECT
STANISLAUS COUNTY, CALIFORNIA
CONTRACT NO. 43A0199, EA NO. 10-0L640
AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

Dear Mr. Doran:

In accordance with Caltrans Contract No. 43A0199 and Expenditure Authorization 10-0L640, Geocon performed environmental engineering services for the subject project. The Site consists of Caltrans right-of-way planned for roadway improvements along State Route 99 from Post Miles 10.3 to 12.0 in Stanislaus County, California. The accompanying report summarizes the services performed, including the advancement of 20 hand-auger borings for aerially deposited lead 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.

CHRIS MERRITT (FOR)

Lauren Wincze
Senior Staff Geologist

Richard Day, PG, CEG
Regional Manager

PROFESSIONAL GEOLOGIST
RICHARD W. DAY
No. 5479
Exp. 09-30-09
STATE OF CALIFORNIA

LW:RD:ls

(2 + 2 CD) Addressee

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AERIALLY-DEPOSITED LEAD SITE INVESTIGATION REPORT Page

AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

1.0 INTRODUCTION

Geocon prepared this aerially deposited lead (ADL) site investigation report for the State Route 99 (SR99) Mitchell Road Median Barrier project under Caltrans Contract No. 43A0199 and Expenditure Authorization (EA) 10-0L640.

1.1 Project Location

The project area consists of the unpaved median area of SR99 between Post Miles (PM) 10.3 and 12.0 in Stanislaus County, California (the Site). The approximate project location is depicted on the Vicinity Map, Figure 1, and Site Plan, Figure 2.

1.2 General Objectives

The purpose of the scope of services was to evaluate whether impacts due to aerial lead deposition from motor vehicle exhaust exist in the surface and near surface soils within the project boundaries. The investigative results will be used by Caltrans to inform the construction contractor(s) if lead-impacted soil is present within the project boundaries for health, safety, management, and disposal evaluation 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 *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 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.

3.0 SCOPE OF SERVICES

We performed the following scope of services as requested by Caltrans:

3.1 Pre-field Activities

- Prepared a *Health and Safety Plan* dated April, 2008, to provide guidelines on the use of personal protective equipment and the health and safety procedures implemented during the field activities.
- Retained the services of Advanced Technology Laboratories (ATL) to perform the chemical analysis of soil samples.

3.2 Field Activities

Field activities consisted of collecting soil samples along the unpaved median areas of SR-99 between PM 10.3 and 12.0. On April 28, 2008, we collected a total of 40 soil samples at general depths of 0.0 to 0.5 foot (ft), and 0.5 to 1.0 ft below ground surface (bgs) from 20 hand-auger borings (NHA1 through NHA-10 and SHA11 through SHA20).

4.0 INVESTIGATIVE METHODS

4.1 Boring Location Rationale

The soil boring locations were designated by Caltrans. The approximate soil boring locations are depicted on the Site Plan (Figure 2). The coordinates of each boring were determined using a differential global positioning system (GPS). The GPS equipment was used to locate the position of each boring with an error of no more than 3.3 feet. The boring coordinates are summarized in Table 1.

4.2 Aerially Deposited Lead Sampling Procedures

We used hand auger equipment to advance the borings and obtain the soil samples. The soil samples were transferred directly from the hand auger bucket into Ziploc® re-sealable plastic bags, field-homogenized, and labeled. The soil samples were delivered to ATL for analytical testing under chain-of-custody (COC) documentation.

Quality assurance/quality control (QA/QC) procedures performed during the field activities 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™ solution followed by a double rinse with deionized water. The field sampling activities were performed under the supervision of Geocon's field manager.

The hand-auger borings were backfilled with the soil cuttings generated at each boring. The decontamination water was discharged to the ground surface away from surface water bodies or storm drain inlets.

4.3 Laboratory Analyses

The soil samples collected at the Site were submitted to ATL for the following analyses under an expedited 24-hour turn-around-time (TAT).

- Thirty-two soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B.
- Twelve soil samples were re-analyzed to confirm initial total lead results.
- Eight randomly selected soil samples were analyzed for Title 22 (CAM 17) metals using EPA Test Methods 6010B/7471A.
- Ten soil samples with total lead concentrations greater than or equal to 50 mg/kg (ten times the STLC value for lead of 5.0 mg/l) were further analyzed for soluble (WET) lead by EPA Test Method 6010B.
- Four randomly selected soil samples were analyzed for soil pH by EPA Test Method 9045.

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 detection 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 chain-of-custody documentation are presented in Appendix A.

5.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS

5.1 Site Conditions

Soil encountered during the excavation of borings generally consisted of shoulder backing at the surface underlain by sand to the maximum depth explored of approximately 1.0 ft. Groundwater was not encountered during advancement of the soil borings.

5.2 Soil Analytical Results

The soil analytical results are summarized in Tables 2 and 3. The laboratory reports and COC documentation are presented in Appendix A.

Total lead was detected in the 40 soil samples analyzed at concentrations ranging from less than the laboratory reporting limit of 5.0 (<5.0 mg/kg) to 600 mg/kg. Lead was the only metal detected at total concentrations greater than ten times its corresponding STLC value.

Soluble (WET) lead concentrations reported for the ten soil samples analyzed ranged from 1.1 mg/l to 96 mg/l, with eight of the results exceeding the lead STLC value of 5.0 mg/l.

Antimony, beryllium, selenium, silver, thallium, and mercury were not detected above their respective laboratory reporting limits in the eight soil samples analyzed for CAM17 metals. Other CAM17 metals, exclusive of lead, were not detected in the soil samples at concentrations above ten times their respective STLC values.

Soil pH values ranged from 6.0 to 7.2.

5.3 Laboratory Quality Assurance/Quality Control

We reviewed the analytical laboratory QA/QC data provided with the laboratory report. These data show acceptable non-detect results and surrogate recoveries for the method blanks and acceptable recoveries and relative percent differences (RPDs) for the matrix spikes and matrix spike duplicates (MS/MSDs) except for the following:

- Matrix Spike (MS) and/or MS Duplicate (MSD) were outside recovery criteria for four of the analyses; however, the analytical batch was validated by the Laboratory Control Sample (LCS).
- The RPD for Duplicate (DUP), MS/MSD was outside criteria for six of the analyses; however, the analytical batch was validated by the Laboratory Control Sample (LCS).
- Dilution was necessary for eight of soil samples due to sample matrix; however, analytical results and detection limits were not affected.

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.

5.4 Statistical Evaluation for Lead Detected in Soil Samples

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 (1987); in an EPA *Technology Support Center Issue* document entitled, *The Lognormal Distribution in Environmental Applications,* by Ashok Singh et. al., (December 1997); and in a book entitled *An Introduction to the Bootstrap,* by Bradley Efron and Robert J. Tibshirani (1993).

5.4.1 Calculating the UCLs for the Arithmetic Mean

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

Non-parametric bootstrap techniques 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 test method detection limit (MDL), a value equal to one-half of the detection limit was used in the UCL calculation. In addition to the computation of 90% and 95% UCLs, an outlier test was performed on the total lead results for the samples collected from the 0.5 ft to 1.0 ft depth interval. The outlier tests indicated that the total lead analytical result reported for sample NHA7-1 was determined to be an outlier. We calculated UCLs for the 0.5 to 1.0 depth interval both including and excluding the outlier. The bootstrap and outlier test results are included in Appendix B. The following table presents the calculated UCLs and statistics for the full data set and excluding the outlier.

Borings NHA1 through NHA10 and SHA11 through SHA20

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 to 0.5	426	456	239	11	910
0.5 to 1.0	97	109	54	1.1	680
Excluding Outlier Sample NHA7-1					
0.5 to 1.0	38	42	21	1.1	250

5.4.2 Correlation of Total and Soluble Lead

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

To estimate the degree of interrelation between total and corresponding soluble (WET) lead values (*x* and *y*, respectively), the *correlation coefficient [r]* is used. The correlation coefficient is a ratio that ranges from +1 to –1. A *correlation coefficient* of +1 indicates a perfect direct relationship between two variables; a *correlation coefficient* of –1 indicates that one variable changes inversely with relation to the other. Between the two extremes is a spectrum of less-than-perfect relationships, including zero, which indicates the lack of any sort of linear relationship at all. The *correlation coefficient* was calculated for the ten (*x, y*) data points (i.e., soil samples analyzed for both total lead [*x*] and soluble [WET] lead [*y*]), with a calculated value of *[r]* = 0.96. A *correlation coefficient* greater than or equal to 0.8 is an acceptable indicator that a correlation exists.

For the *correlation coefficient* that indicates a linear relationship between total and soluble (WET) lead concentrations, it is possible to compute the line of dependence or a best-fit line between the two variables. A least squares method was used to find the equation of a best-fit line (regression line) by forcing the y-intercept equal to zero since that is a known point. The equation of the regression line was determined to be $y = 0.1102(x)$ for the data set, where *x* represents total lead concentrations and *y* represents predicted soluble lead (WET) concentrations. The regression line slope exceeds the theoretical maximum of 0.1; therefore, the equation $y = 0.1(x)$ was used to calculate predicted soluble (WET) lead concentrations.

This equation was used to estimate the expected WET soluble lead concentrations for the 90% and 95% UCLs calculated in Section 5.4.2. We include the regression analysis results and a scatter plot depicting the (*x, y*) data points along the regression line in Appendix B. The predicted WET soluble lead concentrations for the data are summarized in Section 6.1.

6.0 CONCLUSIONS AND RECOMMENDATIONS

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

6.1 Predicted Soluble Lead Results

The following table summarizes the predicted soluble (WET) lead concentrations and the waste classification for excavated soil based on the calculated total lead UCLs and the relationship between total and soluble (WET) lead. The total and soluble (WET) lead calculations are summarized in Table 4a.

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)
0 to 0.5 ft	**426**	**43**	**456**	**46**
0.5 to 1.0 ft	**97**	**9.7**	**109**	**11**
0 to 1.0 ft	**262**	**26**	**283**	**28**

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

Based on the data presented in the above table, if soil from the surface to a depth of 1.0 ft is excavated and generated for offsite disposal, it would be classified as a California hazardous waste since the 90% UCL-predicted soluble (WET) lead concentration is greater than the lead STLC of 5.0 mg/l. Based on the TCLP results and a comparison with the calculated UCLs, excavated soil would not be classified as a RCRA hazardous waste.

6.2 Predicted Soluble Lead Results Excluding Outlier Sample NHA7-1

The following table summarizes the predicted soluble (WET) lead concentrations and the waste classification for excavated soil based on the calculated total lead UCLs and the relationship between total and soluble (WET) lead based on the replicate analytical results. The total and soluble (WET) lead calculations are summarized in Table 4b.

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)
0 to 0.5 ft	**426**	**30**	**456**	**46**
0.5 to 1.0 ft	38	3.8	42	4.2
0 to 1.0 ft	**232**	**23**	**249**	**25**

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

Based on the data presented in the above table, if soil from the surface to a depth of 0.5 ft is excavated and generated for offsite disposal, it would be classified as a California hazardous waste since the 90% UCL-predicted soluble (WET) lead concentration is greater than the lead STLC of 5.0 mg/l. Based on the TCLP results and a comparison with the calculated UCLs, excavated soil would not be classified as a RCRA hazardous waste.

With the outlier (sample NHA7-1) removed from the dataset, underlying soil would not be classified as a hazardous waste. Consequently, soil excavated from a depth of 0.5 ft or greater could be reused or disposed as non-hazardous with respect to lead content. If Caltrans desires to manage the lower sample interval (0.5 to 1 ft) as non-hazardous, we recommend that:

1) the material be stockpiled onsite and re-sampled prior to disposal to confirm waste classification; or

2) supplemental field sampling be performed at the outlier locations to confirm or refute the outlier results.

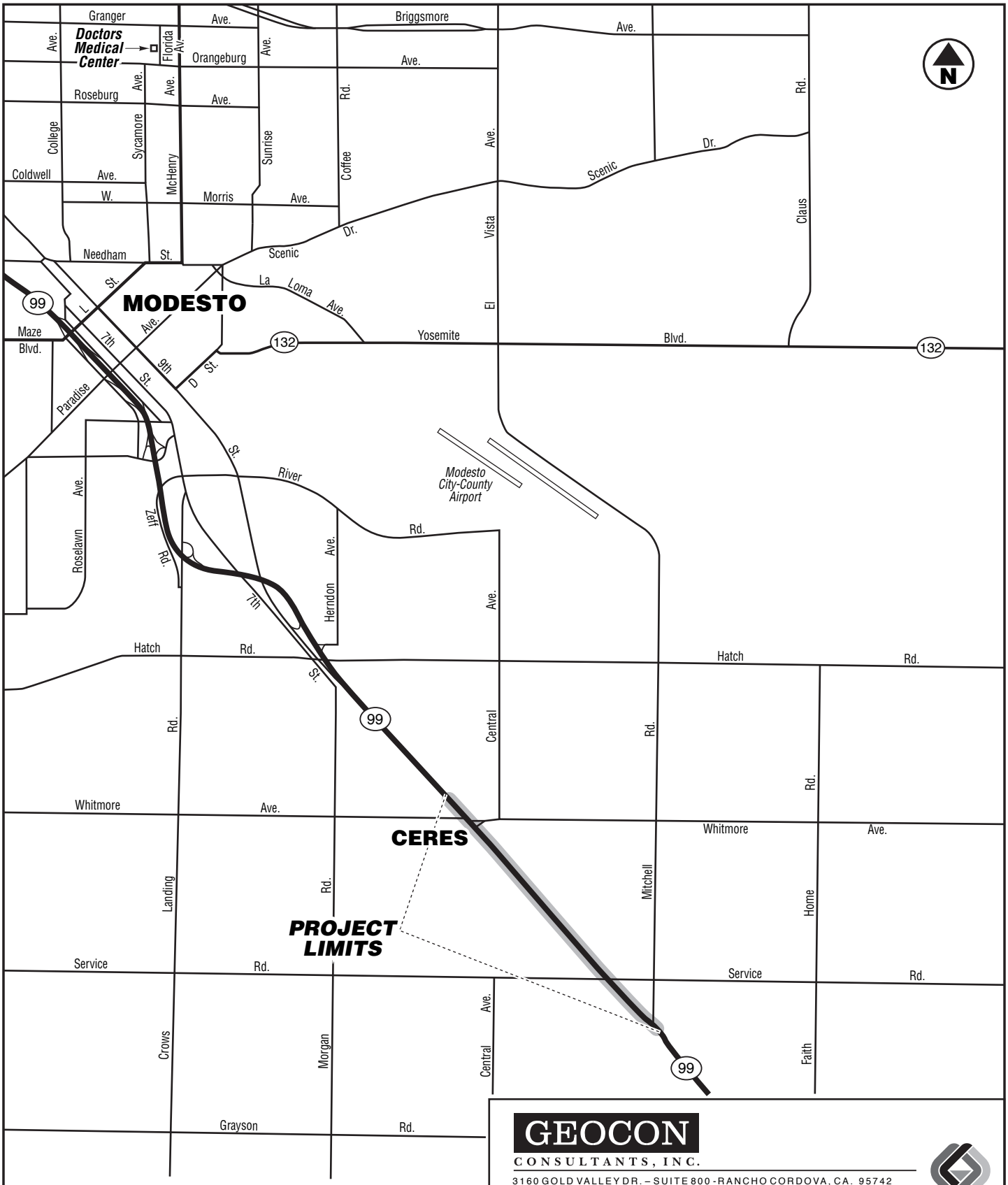
6.3 Worker Protection

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. The plan should include protocols for environmental and personnel monitoring, requirements for personal protective equipment, and other health and safety protocols and procedures for the handling of lead-impacted soil.

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

Mitchell Road Median Barrier

SR 99 PM R10.3-12.0
Stanislaus County, California

VICINITY MAP

GEOCON Proj. No. S9230-06-12

Task Order No. 12, EA 10-0L640 | April 2008 | Figure 1

LEGEND:

NHA1 ⊗ Approximate Hand-Auger Boring Location

0 600

Scale in Feet

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

Mitchell Road Median Barrier

SR 99 PM R10.3-12.0 Stanislaus County, California	**SITE PLAN**	
GEOCON Proj. No. S9230-06-12		
Task Order No. 12, EA 10-0L640	May 2008	Figure 2

TABLE 1
BORING COORDINATES
SUMMARY OF BORING COORDINATES
MITCHELL ROAD MEDIAN BARRIER PROJECT
STATE ROUTE 99, POST MILE 10.3 TO 12.0
CERES, STANTISLAUS COUNTY, CALIFORNIA

BORING I.D.	LATITUDE	LONGITUDE
NHA10-0	37.57762989	-120.94074760
NHA2	37.57970968	-120.94339800
NHA3	37.58189131	-120.94595670
NHA4	37.58413454	-120.94847080
NHA5	37.58633325	-120.95101160
NHA6	37.58788381	-120.95275400
NHA7	37.59021162	-120.95520530
NHA8	37.59243176	-120.95769640
NHA9	37.59456210	-120.96031220
NHA10	37.59675403	-120.96278310
SHA11	37.59784885	-120.96410470
SHA12	37.59567005	-120.96162560
SHA13	37.59234895	-120.95766650
SHA14	37.59020462	-120.95521790
SHA15	37.58804345	-120.95294150
SHA16	37.58674973	-120.95150440
SHA17	37.58457079	-120.94898500
SHA18	37.58232605	-120.94645240
SHA19	37.58015552	-120.94396530
SHA20	37.57828107	-120.94170350

TABLE 2
SUMMARY OF LEAD AND pH RESULTS
MITCHELL ROAD MEDIAN BARRIER PROJECT, STATE ROUTE 99
POST MILE 10.3 TO 12.0
CERES, STANTISLAUS COUNTY, CALIFORNIA

SAMPLE I.D.	SAMPLE DEPTH (ft)	TOTAL LEAD (mg/kg)		SOLUBLE (WET) LEAD (mg/l)	SOLUBLE (TCLP) LEAD (mg/l)	pH
		Initial Analysis	Re-analysis			
NHA1-0	0	220	280	38	---	---
NHA1-1	0.5	<5.0	---	---	---	---
NHA2-0	0	120	---	---	---	---
NHA2-1	0.5	<5.0	---	---	---	---
NHA3-0	0	180	200	21	---	7.2
NHA3-1	0.5	24	---	---	---	---
NHA4-0	0	11	---	---	---	---
NHA4-1	0.5	1.1	---	---	---	---
NHA5-0	0	280	120	14	---	---
NHA5-1	0.5	<5.0	---	---	---	---
NHA6-0	0	180	---	---	---	---
NHA6-1	0.5	21	---	---	---	---
NHA7-0	0	310	410	40	---	---
NHA7-1	0.5	680	520	69	---	---
NHA8-0	0-0.5	32	---	---	---	---
NHA8-1	0.5-1	<5.0	---	---	---	---
NHA9-0	0-0.5	840	910	96	---	6.3
NHA9-1	0.5-1	<5.0	---	---	---	---
NHA10-0	0-0.5	56	61	3.5	---	---
NHA10-1	0.5-1	<5.0	---	---	---	---
SHA11-0	0-0.5	56	---	---	---	---
SHA11-1	0.5-1	9.0	---	---	---	---

TABLE 2
SUMMARY OF LEAD AND pH RESULTS
MITCHELL ROAD MEDIAN BARRIER PROJECT, STATE ROUTE 99
POST MILE 10.3 TO 12.0
CERES, STANTISLAUS COUNTY, CALIFORNIA

SAMPLE I.D.	SAMPLE DEPTH (ft)	TOTAL LEAD (mg/kg)		SOLUBLE (WET) LEAD (mg/l)	SOLUBLE (TCLP) LEAD (mg/l)	pH
		Initial Analysis	Re-analysis			
SHA12-0	0-0.5	90	51	4.6	---	---
SHA12-1	0.5-1	<5.0	---	---	---	---
SHA13-0	0-0.5	1,000	620	---	1.2	---
SHA13-1	0.5-1	38	---	---	---	---
SHA14-0	0-0.5	120	110	13	---	6.0
SHA14-1	0.5-1	<5.0	---	---	---	---
SHA15-0	0-0.5	450	380	53	---	---
SHA15-1	0.5-1	<5.0	---	---	---	---
SHA16-0	0-0.5	1,600	420	---	1.1	7.1
SHA16-1	0.5-1	<5.0	---	---	---	---
SHA17-0	0-0.5	160	---	---	---	---
SHA17-1	0.5-1	5.9	---	---	---	---
SHA18-0	0-0.5	120	---	---	---	---
SHA18-1	0.5-1	21	---	---	---	---
SHA19-0	0-0.5	270	---	---	---	---
SHA19-1	0.5-1	250	---	---	---	---
SHA20-0	0-0.5	410	---	---	---	---
SHA20-1	0.5-1	11	---	---	---	---

Notes:

WET = Waste Extraction Test
--- = Not analyzed
< = Less than the laboratory method reporting limit
mg/kg = Milligrams per kilogram
mg/l = Milligrams per liter
STLC = Soluble Threshold Limit Concentration
TCLP = Toxicity Characteristic Leaching Procedure

TABLE 3
SUMMARY OF CAM 17 METALS ANALYTICAL RESULTS
MITCHELL ROAD MEDIAN BARRIER PROJECT, STATE ROUTE 99
POST MILE 10.3 TO 12.0
CERES, STANTISLAUS COUNTY, CALIFORNIA

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NHA2-0	0.0	<2.0	1.5	59	<1.0	<1.0	17	4.3	17	120	<1.0	13	<1.0	<1.0	<1.0	25	34	<0.10
NHA4-1	0.5	<2.0	<1.0	43	<1.0	<1.0	4.7	3.3	3.9	1.1	<1.0	3.5	<1.0	<1.0	<1.0	20	15	<0.10
NHA6-0	0.5	<2.0	1.8	64	<1.0	<1.0	22	4.3	16	180	<1.0	17	<1.0	<1.0	<1.0	28	52	<0.10
NHA7-1	0.5	<2.0	6.2	60	<1.0	<1.0	17	4.0	14	680	2.6	12	<1.0	<1.0	<1.0	28	170	<0.10
SHA12-0	0.0	<2.0	2.7	110	<1.0	<1.0	31	5.2	23	90	1.2	18	<1.0	<1.0	<1.0	31	67	<0.10
SHA13-0	0.0	<2.0	3.1	220	<1.0	1.8	30	4.9	56	1,000	2.4	17	<1.0	<1.0	<1.0	24	420	<0.10
SHA18-1	0.5	<2.0	<1.0	45	<1.0	<1.0	5.9	4.2	5.4	21	<1.0	4.7	<1.0	<1.0	<1.0	24	20	<0.10
SHA19-1	0.5	<2.0	6.3	70	<1.0	<1.0	9.2	3.9	10	250	<1.0	7.1	<1.0	<1.0	<1.0	22	66	<0.10
Background[1]		0.6	3.5	509	1.28	0.36	122	14.9	28.7	23.9	1.3	57	0.058	0.8	0.56	112	149	0.26
CHHSL																		
Residential		30	0.07	5,200	150	1.7	10,000	660	3,000	150	380	1,600	380	380	5.0	530	23,000	18
Commercial/Industrial		380	0.24	63,000	1,700	7.5	10,000	3,200	38,000	3,500	4,800	16,000	4,800	4,800	63	6,700	100,000	180
TTLC		500	500	10,000	75	100	2,500	8,000	2,500	1,000	3,500	2,000	100	500	700	2,400	5,000	20

Notes:

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

< Analyte was not detected at or above the stated detection limit

CHHSL = California Human Health Screening Level, California Environmental Protection Agency, "Using CHHSLs in Evaluation of Contaminated Properties", Table 1, January 2005.

TTLC = Total Threshold Limit Concentration

[1] = Values from "Background Concentrations of Trace and Major Elements in California Soils", Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March 1996.

TABLE 4a
SUMMARY OF STATISTICAL ANALYSIS - EXCAVATION SCENARIOS
MITCHELL ROAD MEDIAN BARRIER PROJECT, STATE ROUTE 99
POST MILE 10.3 TO 12.0
CERES, STANTISLAUS COUNTY, CALIFORNIA

Total Lead UCLs (mg/kg)
Borings NHA1 through NHA10 and SHA11 through SHA20

Sample Interval (feet)	90% UCL	95% UCL
0.0 to 0.5	426.3	456.3
0.5 to 1.0	97.2	108.8

Excavation Scenarios

	90% UCL		95% UCL	
Excavation Depth	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)
0 to 0.5 foot	426	43	456	46
0.5 to 1.0 foot	97	9.7	109	10.9
0 to 1 foot	262	26	283	28.3

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 maximum theoretical regression line slope,
where y = predicted soluble (WET) lead and x = total lead
as the slopes calculated from the reported results exceeded the theotrical maximum.
Regression Line Slope: $y =$ *0.10* x

TABLE 4b
SUMMARY OF STATISTICAL ANALYSIS - EXCAVATION SCENARIOS
MITCHELL ROAD MEDIAN BARRIER PROJECT, STATE ROUTE 99
POST MILE 10.3 TO 12.0
CERES, STANTISLAUS COUNTY, CALIFORNIA

Total Lead UCLs (mg/kg)
Borings NHA1 through NHA10 and SHA11 through SHA20
Excluding Outlier Sample NHA7-1

Sample Interval (feet)	90% UCL	95% UCL
0.0 to 0.5	426.3	456.3
0.5 to 1.0	37.8	42.0

Excavation Scenarios

	90% UCL		95% UCL	
Excavation Depth	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)
0 to 0.5 foot	426	43	456	46
0.5 to 1.0 foot	38	3.8	42	4.2
0 to 1 foot	232	23	249	25

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 maximum theoretical regression line slope,
where y = predicted soluble (WET) lead and x = total lead
as the slopes calculated from the reported results exceeded the theotrical maximum.
Regression Line Slope: $y =$ *0.10* x

APPENDIX A

May 01, 2008

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
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 098521

RE: S.R.99 Ceres ADL, S9230-06-12

Attention: John Juhrend

Enclosed are the results for sample(s) received on April 30, 2008 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

CLIENT: Geocon Consultants, Inc.
Project: S.R.99 Ceres ADL, S9230-06-12
Lab Order: 098521

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 098521-038AMSD and 098521-040AMSD; 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 098521-026AMSD, and 098521-037ADUP and 098521-038ADUP, ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories

Date: 5/1/2008

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	098521
Project:	S.R.99 Ceres ADL, S9230-06-12	**Date Received**	4/30/2008 8:50:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
098521-001A	NHA1-0	220	mg/Kg	45332	5.0	1	4/28/2008	4/30/2008
098521-002A	NHA1-1	ND	mg/Kg	45332	5.0	1	4/28/2008	4/30/2008
098521-004A	NHA2-1	ND	mg/Kg	45332	5.0	1	4/28/2008	4/30/2008
098521-005A	NHA3-0	180	mg/Kg	45332	5.0	1	4/28/2008	4/30/2008
098521-006A	NHA3-1	24	mg/Kg	45332	5.0	1	4/28/2008	4/30/2008
098521-007A	NHA4-0	11	mg/Kg	45332	5.0	1	4/28/2008	4/30/2008
098521-009A	NHA5-0	280	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-010A	NHA5-1	ND	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-012A	NHA6-1	21	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-013A	NHA7-0	310	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-015A	NHA8-0	32	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-016A	NHA8-1	ND	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-017A	NHA9-0	840	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-018A	NHA9-1	ND	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-019A	NHA10-0	56	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-020A	NHA10-1	ND	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-021A	SHA11-0	56	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-022A	SHA11-1	9.0	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008

Qualifiers:

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

Advanced Technology Laboratories

Date: 5/1/2008

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	098521
Project:	S.R.99 Ceres ADL, S9230-06-12	**Date Received**	4/30/2008 8:50:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
098521-024A	SHA12-1	ND	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-026A	SHA13-1	38	mg/Kg	45332	5.0	1	4/28/2008	5/1/2008
098521-027A	SHA14-0	120	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-028A	SHA14-1	ND	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-029A	SHA15-0	450	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-030A	SHA15-1	ND	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-031A	SHA16-0	1600	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-032A	SHA16-1	ND	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-033A	SHA17-0	160	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-034A	SHA17-1	5.9	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-035A	SHA18-0	120	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-037A	SHA19-0	270	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-039A	SHA20-0	410	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008
098521-040A	SHA20-1	11	mg/Kg	45333	5.0	1	4/28/2008	5/1/2008

Qualifiers:

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

Advanced Technology Laboratories

Date: 5/1/2008

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	098521
Project:	S.R.99 Ceres ADL, S9230-06-12	**Date Received**	4/30/2008 8:50:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	CNP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
098521-005A	NHA3-0	7.2	pH Units	R94031	0.10	1	4/28/2008	4/30/2008
098521-017A	NHA9-0	6.3	pH Units	R94031	0.10	1	4/28/2008	4/30/2008
098521-027A	SHA14-0	6.0	pH Units	R94031	0.10	1	4/28/2008	4/30/2008
098521-031A	SHA16-0	7.1	pH Units	R94031	0.10	1	4/28/2008	4/30/2008

Qualifiers:

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

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *01-May-08*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	NHA2-0
Lab Order:	098521	**Collection Date:**	4/28/2008 7:20:00 PM
Project:	S.R.99 Ceres ADL, S9230-06-12	**Matrix:**	SOIL
Lab ID:	098521-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_080430G	QC Batch: 45321			PrepDate:	4/30/2008	Analyst: **CL**
Antimony	ND	2.0		mg/Kg	1	4/30/2008 08:41 PM
Arsenic	1.5	1.0		mg/Kg	1	4/30/2008 08:41 PM
Barium	59	1.0		mg/Kg	1	4/30/2008 08:41 PM
Beryllium	ND	1.0		mg/Kg	1	4/30/2008 08:41 PM
Cadmium	ND	1.0		mg/Kg	1	4/30/2008 08:41 PM
Chromium	17	1.0		mg/Kg	1	4/30/2008 08:41 PM
Cobalt	4.3	1.0		mg/Kg	1	4/30/2008 08:41 PM
Copper	17	2.0		mg/Kg	1	4/30/2008 08:41 PM
Lead	120	1.0		mg/Kg	1	4/30/2008 08:41 PM
Molybdenum	ND	1.0		mg/Kg	1	4/30/2008 08:41 PM
Nickel	13	1.0		mg/Kg	1	4/30/2008 08:41 PM
Selenium	ND	1.0		mg/Kg	1	4/30/2008 08:41 PM
Silver	ND	1.0		mg/Kg	1	4/30/2008 08:41 PM
Thallium	ND	1.0		mg/Kg	1	4/30/2008 08:41 PM
Vanadium	25	1.0		mg/Kg	1	4/30/2008 08:41 PM
Zinc	34	1.0		mg/Kg	1	4/30/2008 08:41 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_080430C	QC Batch: 45320			PrepDate:	4/30/2008	Analyst: **LKN**
Mercury	ND	0.10		mg/Kg	1	4/30/2008

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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.	**Client Sample ID:**	NHA4-1
Lab Order:	098521	**Collection Date:**	4/28/2008 7:43:00 PM
Project:	S.R.99 Ceres ADL, S9230-06-12	**Matrix:**	SOIL
Lab ID:	098521-008A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_080430G	QC Batch: 45321			PrepDate:	4/30/2008	Analyst: **CL**
Antimony	ND	2.0		mg/Kg	1	4/30/2008 08:45 PM
Arsenic	ND	1.0		mg/Kg	1	4/30/2008 08:45 PM
Barium	43	1.0		mg/Kg	1	4/30/2008 08:45 PM
Beryllium	ND	1.0		mg/Kg	1	4/30/2008 08:45 PM
Cadmium	ND	1.0		mg/Kg	1	4/30/2008 08:45 PM
Chromium	4.7	1.0		mg/Kg	1	4/30/2008 08:45 PM
Cobalt	3.3	1.0		mg/Kg	1	4/30/2008 08:45 PM
Copper	3.9	2.0		mg/Kg	1	4/30/2008 08:45 PM
Lead	1.1	1.0		mg/Kg	1	4/30/2008 08:45 PM
Molybdenum	ND	1.0		mg/Kg	1	4/30/2008 08:45 PM
Nickel	3.5	1.0		mg/Kg	1	4/30/2008 08:45 PM
Selenium	ND	1.0		mg/Kg	1	4/30/2008 08:45 PM
Silver	ND	1.0		mg/Kg	1	4/30/2008 08:45 PM
Thallium	ND	1.0		mg/Kg	1	4/30/2008 08:45 PM
Vanadium	20	1.0		mg/Kg	1	4/30/2008 08:45 PM
Zinc	15	1.0		mg/Kg	1	4/30/2008 08:45 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_080430C	QC Batch: 45320			PrepDate:	4/30/2008	Analyst: **LKN**
Mercury	ND	0.10		mg/Kg	1	4/30/2008

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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.	**Client Sample ID:**	NHA6-0
Lab Order:	098521	**Collection Date:**	4/28/2008 7:52:00 PM
Project:	S.R.99 Ceres ADL, S9230-06-12	**Matrix:**	SOIL
Lab ID:	098521-011A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_080430G	QC Batch: 45321			PrepDate:	4/30/2008	Analyst: **CL**
Antimony	ND	2.0		mg/Kg	1	4/30/2008 08:50 PM
Arsenic	1.8	1.0		mg/Kg	1	4/30/2008 08:50 PM
Barium	64	1.0		mg/Kg	1	4/30/2008 08:50 PM
Beryllium	ND	1.0		mg/Kg	1	4/30/2008 08:50 PM
Cadmium	ND	1.0		mg/Kg	1	4/30/2008 08:50 PM
Chromium	22	1.0		mg/Kg	1	4/30/2008 08:50 PM
Cobalt	4.3	1.0		mg/Kg	1	4/30/2008 08:50 PM
Copper	16	2.0		mg/Kg	1	4/30/2008 08:50 PM
Lead	180	1.0		mg/Kg	1	4/30/2008 08:50 PM
Molybdenum	ND	1.0		mg/Kg	1	4/30/2008 08:50 PM
Nickel	17	1.0		mg/Kg	1	4/30/2008 08:50 PM
Selenium	ND	1.0		mg/Kg	1	4/30/2008 08:50 PM
Silver	ND	1.0		mg/Kg	1	4/30/2008 08:50 PM
Thallium	ND	1.0		mg/Kg	1	4/30/2008 08:50 PM
Vanadium	28	1.0		mg/Kg	1	4/30/2008 08:50 PM
Zinc	52	1.0		mg/Kg	1	4/30/2008 08:50 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_080430C	QC Batch: 45320			PrepDate:	4/30/2008	Analyst: **LKN**
Mercury	ND	0.10		mg/Kg	1	4/30/2008

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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.	**Client Sample ID:**	NHA7-1
Lab Order:	098521	**Collection Date:**	4/28/2008 8:02:00 PM
Project:	S.R.99 Ceres ADL, S9230-06-12	**Matrix:**	SOIL
Lab ID:	098521-014A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_080430G	QC Batch: 45321			PrepDate:	4/30/2008	Analyst: **CL**
Antimony	ND	2.0		mg/Kg	1	4/30/2008 08:55 PM
Arsenic	6.2	1.0		mg/Kg	1	4/30/2008 08:55 PM
Barium	60	1.0		mg/Kg	1	4/30/2008 08:55 PM
Beryllium	ND	1.0		mg/Kg	1	4/30/2008 08:55 PM
Cadmium	ND	1.0		mg/Kg	1	4/30/2008 08:55 PM
Chromium	17	1.0		mg/Kg	1	4/30/2008 08:55 PM
Cobalt	4.0	1.0		mg/Kg	1	4/30/2008 08:55 PM
Copper	14	2.0		mg/Kg	1	4/30/2008 08:55 PM
Lead	680	1.0		mg/Kg	1	4/30/2008 08:55 PM
Molybdenum	2.6	1.0		mg/Kg	1	4/30/2008 08:55 PM
Nickel	12	1.0		mg/Kg	1	4/30/2008 08:55 PM
Selenium	ND	1.0		mg/Kg	1	4/30/2008 08:55 PM
Silver	ND	1.0		mg/Kg	1	4/30/2008 08:55 PM
Thallium	ND	1.0		mg/Kg	1	4/30/2008 08:55 PM
Vanadium	28	1.0		mg/Kg	1	4/30/2008 08:55 PM
Zinc	170	1.0		mg/Kg	1	4/30/2008 08:55 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_080430C	QC Batch: 45320			PrepDate:	4/30/2008	Analyst: **LKN**
Mercury	ND	0.10		mg/Kg	1	4/30/2008

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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.	**Client Sample ID:**	SHA12-0
Lab Order:	098521	**Collection Date:**	4/28/2008 9:49:00 PM
Project:	S.R.99 Ceres ADL, S9230-06-12	**Matrix:**	SOIL
Lab ID:	098521-023A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_080430G	QC Batch: 45321			PrepDate:	4/30/2008	Analyst: **CL**
Antimony	ND	2.0		mg/Kg	1	4/30/2008 09:23 PM
Arsenic	2.7	1.0		mg/Kg	1	4/30/2008 09:23 PM
Barium	110	1.0		mg/Kg	1	4/30/2008 09:23 PM
Beryllium	ND	1.0		mg/Kg	1	4/30/2008 09:23 PM
Cadmium	ND	1.0		mg/Kg	1	4/30/2008 09:23 PM
Chromium	31	1.0		mg/Kg	1	4/30/2008 09:23 PM
Cobalt	5.2	1.0		mg/Kg	1	4/30/2008 09:23 PM
Copper	23	2.0		mg/Kg	1	4/30/2008 09:23 PM
Lead	90	1.0		mg/Kg	1	4/30/2008 09:23 PM
Molybdenum	1.2	1.0		mg/Kg	1	4/30/2008 09:23 PM
Nickel	18	1.0		mg/Kg	1	4/30/2008 09:23 PM
Selenium	ND	1.0		mg/Kg	1	4/30/2008 09:23 PM
Silver	ND	1.0		mg/Kg	1	4/30/2008 09:23 PM
Thallium	ND	1.0		mg/Kg	1	4/30/2008 09:23 PM
Vanadium	31	1.0		mg/Kg	1	4/30/2008 09:23 PM
Zinc	67	1.0		mg/Kg	1	4/30/2008 09:23 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_080430C	QC Batch: 45320			PrepDate:	4/30/2008	Analyst: **LKN**
Mercury	ND	0.10		mg/Kg	1	4/30/2008

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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.	**Client Sample ID:**	SHA13-0
Lab Order:	098521	**Collection Date:**	4/28/2008 9:56:00 PM
Project:	S.R.99 Ceres ADL, S9230-06-12	**Matrix:**	SOIL
Lab ID:	098521-025A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_080430G	QC Batch: 45321			PrepDate:	4/30/2008	Analyst: **CL**
Antimony	ND	2.0		mg/Kg	1	4/30/2008 09:27 PM
Arsenic	3.1	1.0		mg/Kg	1	4/30/2008 09:27 PM
Barium	220	1.0		mg/Kg	1	4/30/2008 09:27 PM
Beryllium	ND	1.0		mg/Kg	1	4/30/2008 09:27 PM
Cadmium	1.8	1.0		mg/Kg	1	4/30/2008 09:27 PM
Chromium	30	1.0		mg/Kg	1	4/30/2008 09:27 PM
Cobalt	4.9	1.0		mg/Kg	1	4/30/2008 09:27 PM
Copper	56	2.0		mg/Kg	1	4/30/2008 09:27 PM
Lead	1000	1.0		mg/Kg	1	4/30/2008 09:27 PM
Molybdenum	2.4	1.0		mg/Kg	1	4/30/2008 09:27 PM
Nickel	17	1.0		mg/Kg	1	4/30/2008 09:27 PM
Selenium	ND	1.0		mg/Kg	1	4/30/2008 09:27 PM
Silver	ND	1.0		mg/Kg	1	4/30/2008 09:27 PM
Thallium	ND	1.0		mg/Kg	1	4/30/2008 09:27 PM
Vanadium	24	1.0		mg/Kg	1	4/30/2008 09:27 PM
Zinc	420	1.0		mg/Kg	1	4/30/2008 09:27 PM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_080430C	QC Batch: 45320			PrepDate:	4/30/2008	Analyst: **LKN**
Mercury	ND	0.10		mg/Kg	1	4/30/2008

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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.	**Client Sample ID:**	SHA18-1
Lab Order:	098521	**Collection Date:**	4/28/2008 8:23:00 PM
Project:	S.R.99 Ceres ADL, S9230-06-12	**Matrix:**	SOIL
Lab ID:	098521-036A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_080430G	QC Batch: 45321			PrepDate:	4/30/2008	Analyst: **CL**
Antimony	ND	2.0		mg/Kg	1	5/1/2008 08:18 AM
Arsenic	ND	1.0		mg/Kg	1	5/1/2008 08:18 AM
Barium	45	1.0		mg/Kg	1	5/1/2008 08:18 AM
Beryllium	ND	1.0		mg/Kg	1	5/1/2008 08:18 AM
Cadmium	ND	1.0		mg/Kg	1	5/1/2008 08:18 AM
Chromium	5.9	1.0		mg/Kg	1	5/1/2008 08:18 AM
Cobalt	4.2	1.0		mg/Kg	1	5/1/2008 08:18 AM
Copper	5.4	2.0		mg/Kg	1	5/1/2008 08:18 AM
Lead	21	1.0		mg/Kg	1	5/1/2008 08:18 AM
Molybdenum	ND	1.0		mg/Kg	1	5/1/2008 08:18 AM
Nickel	4.7	1.0		mg/Kg	1	5/1/2008 08:18 AM
Selenium	ND	1.0		mg/Kg	1	5/1/2008 08:18 AM
Silver	ND	1.0		mg/Kg	1	5/1/2008 08:18 AM
Thallium	ND	1.0		mg/Kg	1	5/1/2008 08:18 AM
Vanadium	24	1.0		mg/Kg	1	5/1/2008 08:18 AM
Zinc	20	1.0		mg/Kg	1	5/1/2008 08:18 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_080430C	QC Batch: 45320			PrepDate:	4/30/2008	Analyst: **LKN**
Mercury	ND	0.10		mg/Kg	1	4/30/2008

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

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *01-May-08*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	SHA19-1
Lab Order:	098521	**Collection Date:**	4/28/2008 8:29:00 PM
Project:	S.R.99 Ceres ADL, S9230-06-12	**Matrix:**	SOIL
Lab ID:	098521-038A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP8_080430G	QC Batch: 45321			PrepDate:	4/30/2008	Analyst: **CL**
Antimony	ND	2.0		mg/Kg	1	5/1/2008 08:23 AM
Arsenic	6.3	1.0		mg/Kg	1	5/1/2008 08:23 AM
Barium	70	1.0		mg/Kg	1	5/1/2008 08:23 AM
Beryllium	ND	1.0		mg/Kg	1	5/1/2008 08:23 AM
Cadmium	ND	1.0		mg/Kg	1	5/1/2008 08:23 AM
Chromium	9.2	1.0		mg/Kg	1	5/1/2008 08:23 AM
Cobalt	3.9	1.0		mg/Kg	1	5/1/2008 08:23 AM
Copper	10	2.0		mg/Kg	1	5/1/2008 08:23 AM
Lead	250	1.0		mg/Kg	1	5/1/2008 08:23 AM
Molybdenum	ND	1.0		mg/Kg	1	5/1/2008 08:23 AM
Nickel	7.1	1.0		mg/Kg	1	5/1/2008 08:23 AM
Selenium	ND	1.0		mg/Kg	1	5/1/2008 08:23 AM
Silver	ND	1.0		mg/Kg	1	5/1/2008 08:23 AM
Thallium	ND	1.0		mg/Kg	1	5/1/2008 08:23 AM
Vanadium	22	1.0		mg/Kg	1	5/1/2008 08:23 AM
Zinc	66	1.0		mg/Kg	1	5/1/2008 08:23 AM
MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: AA5_080430C	QC Batch: 45320			PrepDate:	4/30/2008	Analyst: **LKN**
Mercury	ND	0.10		mg/Kg	1	4/30/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-45321** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94025**
Client ID: **PBS** Batch ID: **45321** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/30/2008** SeqNo: **1448750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	0.114	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-45321** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94025**
Client ID: **LCSS** Batch ID: **45321** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/30/2008** SeqNo: **1448751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	49.196	2.0	50.00	0	98.4	80	120				
Arsenic	47.033	1.0	50.00	0	94.1	80	120				
Barium	50.809	1.0	50.00	0	102	80	120				
Beryllium	48.363	1.0	50.00	0	96.7	80	120				
Cadmium	48.316	1.0	50.00	0	96.6	80	120				
Chromium	50.498	1.0	50.00	0	101	80	120				
Cobalt	49.536	1.0	50.00	0	99.1	80	120				

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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-45321** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94025**
Client ID: **LCSS** Batch ID: **45321** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/30/2008** SeqNo: **1448751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	50.326	2.0	50.00	0.1142	100	80	120				
Lead	49.128	1.0	50.00	0	98.3	80	120				
Molybdenum	49.768	1.0	50.00	0	99.5	80	120				
Nickel	48.399	1.0	50.00	0	96.8	80	120				
Selenium	45.770	1.0	50.00	0	91.5	80	120				
Silver	48.805	1.0	50.00	0	97.6	80	120				
Thallium	49.283	1.0	50.00	0	98.6	80	120				
Vanadium	51.605	1.0	50.00	0	103	80	120				
Zinc	47.459	1.0	50.00	0	94.9	80	120				

Sample ID: **098521-038AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94025**
Client ID: **SHA19-1** Batch ID: **45321** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/30/2008** SeqNo: **1448761**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	103.649	2.0	125.0	0.7739	82.3	24	109				
Arsenic	119.947	1.0	125.0	6.320	90.9	52	106				
Barium	179.528	1.0	125.0	69.58	88.0	31	129				
Beryllium	115.794	1.0	125.0	0	92.6	55	110				
Cadmium	115.853	1.0	125.0	0.4530	92.3	51	110				
Chromium	128.010	1.0	125.0	9.230	95.0	50	114				
Cobalt	120.107	1.0	125.0	3.851	93.0	51	109				
Copper	138.055	2.0	125.0	10.37	102	55	122				
Lead	360.852	1.0	125.0	254.9	84.7	45	110				
Molybdenum	121.061	1.0	125.0	0.1758	96.7	52	109				
Nickel	123.112	1.0	125.0	7.110	92.8	47	111				
Selenium	108.941	1.0	125.0	0	87.2	48	108				
Silver	123.805	1.0	125.0	0	99.0	55	110				
Thallium	116.544	1.0	125.0	0	93.2	43	105				
Vanadium	146.728	1.0	125.0	21.79	100	54	115				
Zinc	179.736	1.0	125.0	66.14	90.9	39	120				

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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **098521-038AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94025**
Client ID: **SHA19-1** Batch ID: **45321** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/30/2008** SeqNo: **1448762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	119.976	2.0	125.0	0.7739	95.4	24	109	103.6	14.6	20	
Arsenic	138.300	1.0	125.0	6.320	106	52	106	119.9	14.2	20	
Barium	214.838	1.0	125.0	69.58	116	31	129	179.5	17.9	20	
Beryllium	136.586	1.0	125.0	0	109	55	110	115.8	16.5	20	
Cadmium	135.003	1.0	125.0	0.4530	108	51	110	115.9	15.3	20	
Chromium	149.078	1.0	125.0	9.230	112	50	114	128.0	15.2	20	
Cobalt	140.659	1.0	125.0	3.851	109	51	109	120.1	15.8	20	S
Copper	161.579	2.0	125.0	10.37	121	55	122	138.1	15.7	20	
Lead	405.202	1.0	125.0	254.9	120	45	110	360.9	11.6	20	S
Molybdenum	140.259	1.0	125.0	0.1758	112	52	109	121.1	14.7	20	S
Nickel	144.197	1.0	125.0	7.110	110	47	111	123.1	15.8	20	
Selenium	124.719	1.0	125.0	0	99.8	48	108	108.9	13.5	20	
Silver	144.166	1.0	125.0	0	115	55	110	123.8	15.2	20	S
Thallium	134.479	1.0	125.0	0	108	43	105	116.5	14.3	20	S
Vanadium	172.913	1.0	125.0	21.79	121	54	115	146.7	16.4	20	S
Zinc	207.803	1.0	125.0	66.14	113	39	120	179.7	14.5	20	

Sample ID: **098521-038ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94025**
Client ID: **SHA19-1** Batch ID: **45321** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/1/2008** SeqNo: **1448824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.697	2.0						0.7739	0	20	
Arsenic	5.325	1.0						6.320	17.1	20	
Barium	61.050	1.0						69.58	13.1	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.415	1.0						0.4530	0	20	
Chromium	7.173	1.0						9.230	25.1	20	R
Cobalt	3.340	1.0						3.851	14.2	20	
Copper	9.213	2.0						10.37	11.9	20	
Lead	227.292	1.0						254.9	11.5	20	

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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **098521-038ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94025**
Client ID: **SHA19-1** Batch ID: **45321** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/1/2008** SeqNo: **1448824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	0.473	1.0						0.1758	0	20	
Nickel	5.901	1.0						7.110	18.6	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	19.089	1.0						21.79	13.2	20	
Zinc	58.302	1.0						66.14	12.6	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-45332A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **PBS**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/30/2008**	SeqNo: **1448774**

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

Sample ID: **LCS-45332**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **LCSS**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/30/2008**	SeqNo: **1448775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.187	5.0	250.0	0	98.1	80	120				

Sample ID: **098521-013ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **NHA7-0**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	324.856	5.0						314.4	3.26	20	

Sample ID: **098521-013AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **NHA7-0**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	588.826	5.0	250.0	314.4	110	45	110				

Sample ID: **MB-45332B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **PBS**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448788**

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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **098521-026ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **SHA13-1**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	41.734	5.0						37.51	10.7	20	

Sample ID: **098521-026AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **SHA13-1**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	201.921	5.0	250.0	37.51	65.8	45	110				

Sample ID: **098521-026AMSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **SHA13-1**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	266.438	5.0	250.0	37.51	91.6	45	110	201.9	27.6	20	R

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-45333A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **PBS**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448802**

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

Sample ID: **LCS-45333**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **LCSS**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448803**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.155	5.0	250.0	0	90.1	80	120				

Sample ID: **098521-037ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **SHA19-0**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	183.067	5.0						271.8	39.0	20	R

Sample ID: **098521-037AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **SHA19-0**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448815**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	466.992	5.0	250.0	271.8	78.1	45	110				

Sample ID: **MB-45333A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **PBS**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448816**

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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **098521-040ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **SHA20-1**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.139	5.0						10.78	16.5	20	

Sample ID: **098521-040AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **SHA20-1**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	145.626	5.0	250.0	10.78	53.9	45	110				

Sample ID: **098521-040AMSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **SHA20-1**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	123.246	5.0	250.0	10.78	45.0	45	110	145.6	16.6	20	S

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **098521-038A-DUP**	SampType: **DUP**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94017**
Client ID: **SHA19-1**	Batch ID: **45320**	TestNo: **EPA 7471A**		Analysis Date: **4/30/2008**	SeqNo: **1448613**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.009	0.10						0.01038	0	20	

Sample ID: **098521-038A-MS**	SampType: **MS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94017**
Client ID: **SHA19-1**	Batch ID: **45320**	TestNo: **EPA 7471A**		Analysis Date: **4/30/2008**	SeqNo: **1448614**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.685	0.10	0.8300	0.01038	81.3	70	130				

Sample ID: **098521-038A-MSD**	SampType: **MSD**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94017**
Client ID: **SHA19-1**	Batch ID: **45320**	TestNo: **EPA 7471A**		Analysis Date: **4/30/2008**	SeqNo: **1448615**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.687	0.10	0.8300	0.01038	81.5	70	130	0.6850	0.325	20	

Sample ID: **LCS-45320**	SampType: **LCS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94017**
Client ID: **LCSS**	Batch ID: **45320**	TestNo: **EPA 7471A**		Analysis Date: **4/30/2008**	SeqNo: **1448616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.678	0.10	0.8300	0	81.7	80	120				

Sample ID: **MB-45320**	SampType: **MBLK**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94017**
Client ID: **PBS**	Batch ID: **45320**	TestNo: **EPA 7471A**		Analysis Date: **4/30/2008**	SeqNo: **1448617**

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

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **098521-027ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **94031**
Client ID: **SHA14-0** Batch ID: **R94031** TestNo: **EPA 9045C** Analysis Date: **4/30/2008** SeqNo: **1448854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.170	0.10						5.980	3.13	20	

Qualifiers:

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

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: 4/30/08

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other: GSO

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

Client: GEOCON CONSULTANTS, INC.
Attn: J. Johnrend
Address: 3160 Gold Valley Drive, Suite 800
City Rancho Cordova State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: S.R.99 Ceres ADL Project #: 59230-06-12 Sampler: (Printed Name) J. Esquivel (Signature)

Relinquished by: (Signature and Printed Name) J. Esquivel Date: 4/28/08 Time: 2400 Received by: (Signature and Printed Name) GSO Date: 4/29/08 Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 4/30/08 Time: 8:50

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. Johnrend
Print Name _____ Date _____
Signature

Send Report To: Attn: J. Johnrend
Co: _____
Address _____
City _____ State _____ Zip _____

Bill To: Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: Contract # 43A0199 Caltrans.

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 : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

Q A / Q C: RTNE ☐ CT ☒ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / BTEX	8015B (DRO)	Total Lead 6010B	Pb 6010B	Total Metals 6010B	Total Metals 6010B TCLP	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	REMARKS
	098521-001	NHA1-0	4/28/08	1915							X					X				A	1	Baggie	
	2	NHA1-1		1918							X												
	3	NHA2-0		1920										X									
	4	NHA2-1		1924							X												
	5	NHA3-0		1933							X		X										
	6	NHA3-1		1936							X												
	7	NHA4-0		1939							X												
	8	NHA4-1		1943										X									
	9	NHA5-0		1947							X												
	10	NHA5-1		1950							X												

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr | 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_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(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 CONSULTANTS, INC. Address: 3160 Gold Valley Drive, Suite 800 TEL: (916) 852-9118
Attn: T. Tuhrend City Rancho Cordova State CA Zip Code 95742 FAX: (916) 852-9132

Project Name: SR 99 Ceres ADL Project #: 5923.06.12 Sampler: (Printed Name) J. Espino (Signature)

Relinquished by: (Signature and Printed Name) Date: 4/28/08 Time: 2400 Received by: (Signature and Printed Name) G.SO Date: 4/29/08 Time: 1600
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Mary Date: 4/30/08 Time: 840
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: T. Tuhrend
Print Name Date
Signature

Send Report To: Attn: T. Tuhrend Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: see page 1

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 : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / BTEX, 8015B (DRO), Total Lead, Pb, 6010B Total metal, CAM 17 Metals, SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☒ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s): #	Type	PRESERVATION	REMARKS
	078521-11	NHA6-0	4/28/08	1952	A	1	Baggie		
	12	NHA6-1		1955					
	13	NHA7-0		1959					
	14	NHA7-1		2002					
	15	NHA8-0		2005					
	16	NHA8-1		2007					
	17	NHA9-0		2012					
	18	NHA9-1		2015					
	19	NHA10-0		~~2019~~					
	20	NHA10-1		2021					

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr 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_3 S=H_2SO_4 C=4°C Z=Zn(AC)$_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(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 CONSULTANTS, INC. Address: 3160 Gold Valley Drive, Suite 800 TEL: (916) 852-9118

Attn: J. Johnson City Rancho Cordova State CA Zip Code 95742 FAX: (916) 852-9132

Project Name: SR 99 Ceres ADL Project #: 09230-06-12 Sampler: (Printed Name) J. Esquivel (Signature)

Relinquished by: (Signature and Printed Name) J. Esquivel	Date: 4/28/08	Time: 2400	Received by: (Signature and Printed Name) G.SO.	Date: 4/29/08	Time: 1600
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date: 4/30/08	Time: 850
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. Johnson (Print Name) _____ (Date)
_____ (Signature)

Send Report To: Attn: J. Johnson Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: see page 1

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 : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides); 8082 (PCB); 8260B (Volatiles); 8270C (BNA); 8010B (Total Metal); 8015B (GRO) / BTEX; 8015B (DRO); Total Lead (6010B); Pb; Total Title 22 Metals + Zn (6010B); CCR5

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

PRESERVATION

Q A / Q C: RTNE ☐ CT ☒ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
	07552[1- 21	SHA11-0	4/28/08	2144	A	1	Regular	
	22	SHA11-1		2147				
	23	SHA12-0		2149				
	24	SHA12-1		2152				
	25	SHA13-0		2156				
	26	SHA13-1		2200				
	27	SHA14-0		2202				
	28	SHA14-1		2205				
	29	SHA15-0		2207				
	30	SHA15-1		2209				

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; 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_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(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 CONSULTANTS, INC. Address: 3160 Gold Valley Drive, Suite 800 TEL: (916) 852-9118
Attn: J. Tuhrend City Rancho Cordova State CA Zip Code ~~95742~~ FAX: (916) 852-9132

Project Name: SR 99 Cores ADL Project #: S9230-06-12 Sampler: (Printed Name) J. Esquivel (Signature)

Relinquished by: (Signature and Printed Name)	J. Esquivel	Date: 4/28/08	Time: 2400	Received by: (Signature and Printed Name)	G.50 Marg	Date: 4/29/08	Time: 1600
Relinquished by: (Signature and Printed Name)		Date:	Time:	Received by: (Signature and Printed Name)		Date: 4/30/08	Time: 850
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: T. Tuhrend (Print Name) _____ (Date) _____ (Signature)

Send Report To: Attn: J. Tuhrend Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: see page 1

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 : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides); 8082 (PCB); 8260B (Volatiles); 8270C (BNA); 8010B (Total Metal); 8015B (GRO) / BTEX; 8015B (DRO); Total Lead (Soluble); pH; Total Lead (Soluble); 6010B + 7000 K

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

PRESERVATION

Q A / Q C: RTNE ☐ CT ☒ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s): #	Type	REMARKS
	099552-31	SHA16-0	4/28/08	2012	A	1	Brass	
	32	SHA16-1		2015				
	33	SHA17-0		2016				
	34	SHA17-1		2019				
	35	SHA18-0		2020				
	36	SHA18-1		2023				
	37	SHA19-0		2026				
	38	SHA19-1		2029				
	39	SHA20-0		2032				
	40	SHA20-1		2035				

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; 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_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 05, 2008

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
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 098521

RE: S.R.99 Ceres ADL, S9230-06-12

Attention: John Juhrend

Enclosed are the results for sample(s) received on April 30, 2008 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CLIENT: Geocon Consultants, Inc.
Project: S.R.99 Ceres ADL, S9230-06-12
Lab Order: 098521

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 098521-031AMSD and 098521-040AMSD; 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 098521-026AMSD, 098521-031AMSD and 098521-037ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 7420

Dilution was necessary for samples 098521-001A, 098521-005A, 098521-009A, 098521-013A, 098521-014A, 098521-017A, 098521-027A and 098521-029A, due to sample matrix.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 098521-031AMSD and 098521-031AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for sample 098521-031AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

CLIENT: Geocon Consultants, Inc. **Lab Order:** 098521
Project: S.R.99 Ceres ADL, S9230-06-12

Lab ID: 098521-001 **Collection Date:** 4/28/2008 7:15:00 PM
Client Sample ID: NHA1-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45332			PrepDate: 4/30/2008	Analyst: **CL**	
Lead	280	5.0		mg/Kg	1	5/2/2008 10:22 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	38	1.2		mg/L	5	5/5/2008

Lab ID: 098521-005 **Collection Date:** 4/28/2008 7:33:00 PM
Client Sample ID: NHA3-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45332			PrepDate: 4/30/2008	Analyst: **CL**	
Lead	200	5.0		mg/Kg	1	5/2/2008 10:25 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	21	0.75		mg/L	3	5/5/2008

Lab ID: 098521-009 **Collection Date:** 4/28/2008 7:47:00 PM
Client Sample ID: NHA5-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45332			PrepDate: 4/30/2008	Analyst: **CL**	
Lead	120	5.0		mg/Kg	1	5/2/2008 10:28 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	14	0.50		mg/L	2	5/5/2008

Qualifiers:
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected 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. **Lab Order:** 098521
Project: S.R.99 Ceres ADL, S9230-06-12

Lab ID: 098521-013 **Collection Date:** 4/28/2008 7:59:00 PM
Client Sample ID: NHA7-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45332			PrepDate: 4/30/2008	Analyst: **CL**	
Lead	410	5.0		mg/Kg	1	5/2/2008 10:30 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	40	1.2		mg/L	5	5/5/2008

Lab ID: 098521-014 **Collection Date:** 4/28/2008 8:02:00 PM
Client Sample ID: NHA7-1 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45377			PrepDate: 5/2/2008	Analyst: **CL**	
Lead	520	5.0		mg/Kg	1	5/2/2008 10:33 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	69	2.5		mg/L	10	5/5/2008

Lab ID: 098521-017 **Collection Date:** 4/28/2008 8:12:00 PM
Client Sample ID: NHA9-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502D	QC Batch: 45373			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	910	5.0		mg/Kg	1	5/2/2008 04:39 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	96	2.5		mg/L	10	5/5/2008

Qualifiers:
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected 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. **Lab Order:** 098521
Project: S.R.99 Ceres ADL, S9230-06-12

Lab ID: 098521-019 **Collection Date:** 4/28/2008 8:19:00 PM
Client Sample ID: NHA10-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502D	QC Batch: 45373			PrepDate:	5/2/2008	Analyst: **LKN**
Lead	61	5.0		mg/Kg	1	5/2/2008 04:42 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate:	5/2/2008	Analyst: **LKN**
Lead	3.5	0.25		mg/L	1	5/5/2008

Lab ID: 098521-023 **Collection Date:** 4/28/2008 9:49:00 PM
Client Sample ID: SHA12-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45377			PrepDate:	5/2/2008	Analyst: **CL**
Lead	51	5.0		mg/Kg	1	5/2/2008 10:36 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate:	5/2/2008	Analyst: **LKN**
Lead	4.6	0.25		mg/L	1	5/5/2008

Lab ID: 098521-025 **Collection Date:** 4/28/2008 9:56:00 PM
Client Sample ID: SHA13-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45377			PrepDate:	5/2/2008	Analyst: **CL**
Lead	620	5.0		mg/Kg	1	5/2/2008 10:39 PM
LEAD BY ATOMIC ABSORPTION (TCLP)						
	EPA3010A			**EPA 1311/ 7420**		
RunID: AA2_080505B	QC Batch: 45393			PrepDate:	5/5/2008	Analyst: **LKN**
Lead	1.2	0.25		mg/L	1	5/5/2008

Qualifiers:
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected 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. **Lab Order:** 098521
Project: S.R.99 Ceres ADL, S9230-06-12

Lab ID: 098521-027 **Collection Date:** 4/28/2008 10:02:00 PM
Client Sample ID: SHA14-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45333			PrepDate: 4/30/2008	Analyst: **CL**	
Lead	110	5.0		mg/Kg	1	5/2/2008 10:42 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	13	0.50		mg/L	2	5/5/2008

Lab ID: 098521-029 **Collection Date:** 4/28/2008 10:07:00 PM
Client Sample ID: SHA15-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45333			PrepDate: 4/30/2008	Analyst: **CL**	
Lead	380	5.0		mg/Kg	1	5/2/2008 10:44 PM
LEAD BY ATOMIC ABSORPTION (STLC)						
	WET			**WET/ EPA 7420**		
RunID: AA2_080505A	QC Batch: 45375			PrepDate: 5/2/2008	Analyst: **LKN**	
Lead	53	1.5		mg/L	6	5/5/2008

Lab ID: 098521-031 **Collection Date:** 4/28/2008 8:12:00 PM
Client Sample ID: SHA16-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP6_080502I	QC Batch: 45333			PrepDate: 4/30/2008	Analyst: **CL**	
Lead	420	5.0		mg/Kg	1	5/2/2008 10:53 PM
LEAD BY ATOMIC ABSORPTION (TCLP)						
	EPA3010A			**EPA 1311/ 7420**		
RunID: AA2_080505B	QC Batch: 45393			PrepDate: 5/5/2008	Analyst: **LKN**	
Lead	1.1	0.25		mg/L	1	5/5/2008

Qualifiers:
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected 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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-45332A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94028**
Client ID: **PBS** Batch ID: **45332** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/30/2008** SeqNo: **1448774**

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

Sample ID: **LCS-45332** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94028**
Client ID: **LCSS** Batch ID: **45332** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/30/2008** SeqNo: **1448775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.187	5.0	250.0	0	98.1	80	120				

Sample ID: **098521-013ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94028**
Client ID: **NHA7-0** Batch ID: **45332** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/1/2008** SeqNo: **1448786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	324.856	5.0						314.4	3.26	20	

Sample ID: **098521-013AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94028**
Client ID: **NHA7-0** Batch ID: **45332** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/1/2008** SeqNo: **1448787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	588.826	5.0	250.0	314.4	110	45	110				

Sample ID: **MB-45332B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94028**
Client ID: **PBS** Batch ID: **45332** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/1/2008** SeqNo: **1448788**

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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **098521-026ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **SHA13-1**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	41.734	5.0						37.51	10.7	20	

Sample ID: **098521-026AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **SHA13-1**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	201.921	5.0	250.0	37.51	65.8	45	110				

Sample ID: **098521-026AMSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94028**
Client ID: **SHA13-1**	Batch ID: **45332**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	266.438	5.0	250.0	37.51	91.6	45	110	201.9	27.6	20	R

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-45333A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **PBS**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448802**

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

Sample ID: **LCS-45333**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **LCSS**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448803**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.155	5.0	250.0	0	90.1	80	120				

Sample ID: **098521-037ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **SHA19-0**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	183.067	5.0						271.8	39.0	20	R

Sample ID: **098521-037AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **SHA19-0**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448815**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	466.992	5.0	250.0	271.8	78.1	45	110				

Sample ID: **MB-45333A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94029**
Client ID: **PBS**	Batch ID: **45333**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/1/2008**	SeqNo: **1448816**

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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **098521-040ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94029**
Client ID: **SHA20-1** Batch ID: **45333** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/1/2008** SeqNo: **1448819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.139	5.0						10.78	16.5	20	

Sample ID: **098521-040AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94029**
Client ID: **SHA20-1** Batch ID: **45333** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/1/2008** SeqNo: **1448820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	145.626	5.0	250.0	10.78	53.9	45	110				

Sample ID: **098521-040AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94029**
Client ID: **SHA20-1** Batch ID: **45333** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/1/2008** SeqNo: **1448821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	123.246	5.0	250.0	10.78	45.0	45	110	145.6	16.6	20	S

Sample ID: **098521-031ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94138**
Client ID: **SHA16-0** Batch ID: **45333** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/2/2008** SeqNo: **1450614**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	450.827	5.0						419.4	7.23	20	

Sample ID: **098521-031AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94138**
Client ID: **SHA16-0** Batch ID: **45333** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/2/2008** SeqNo: **1450615**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	576.224	5.0	250.0	419.4	62.7	45	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD 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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **098521-031AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/30/2008** RunNo: **94138**
Client ID: **SHA16-0** Batch ID: **45333** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/2/2008** SeqNo: **1450616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	835.870	5.0	250.0	419.4	167	45	110	576.2	36.8	20	SR

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-45373A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **5/2/2008**	RunNo: **94123**
Client ID: **PBS**	Batch ID: **45373**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/2/2008**	SeqNo: **1450392**

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

Sample ID: **LCS-45373**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **5/2/2008**	RunNo: **94123**
Client ID: **LCSS**	Batch ID: **45373**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/2/2008**	SeqNo: **1450393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.004	5.0	250.0	0	98.0	80	120				

Sample ID: **098521-019A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **5/2/2008**	RunNo: **94123**
Client ID: **NHA10-0**	Batch ID: **45373**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/2/2008**	SeqNo: **1450396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	63.106	5.0						61.00	3.40	20	

Sample ID: **098521-019A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **5/2/2008**	RunNo: **94123**
Client ID: **NHA10-0**	Batch ID: **45373**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/2/2008**	SeqNo: **1450397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	257.563	5.0	250.0	61.00	78.6	45	110				

Sample ID: **098521-019A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **5/2/2008**	RunNo: **94123**
Client ID: **NHA10-0**	Batch ID: **45373**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/2/2008**	SeqNo: **1450398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	241.853	5.0	250.0	61.00	72.3	45	110	257.6	6.29	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-45377**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/30/2008**	RunNo: **94138**
Client ID: **PBS**	Batch ID: **45377**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/2/2008**	SeqNo: **1450602**

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

Sample ID: **LCS-45377**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **5/2/2008**	RunNo: **94138**
Client ID: **LCSS**	Batch ID: **45377**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **5/2/2008**	SeqNo: **1450603**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.158	5.0	250.0	0	84.1	80	120				

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-45375A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **5/2/2008**	RunNo: **94144**
Client ID: **PBS**	Batch ID: **45375**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **5/5/2008**	SeqNo: **1450684**

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

Sample ID: **LCS-45375**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **5/2/2008**	RunNo: **94144**
Client ID: **LCSS**	Batch ID: **45375**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **5/5/2008**	SeqNo: **1450685**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.866	0.25	5.000	0	97.3	80	120				

Sample ID: **098521-029A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **5/2/2008**	RunNo: **94144**
Client ID: **SHA15-0**	Batch ID: **45375**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **5/5/2008**	SeqNo: **1450695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.767	1.5						52.56	0.395	20	

Sample ID: **098521-029A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **5/2/2008**	RunNo: **94144**
Client ID: **SHA15-0**	Batch ID: **45375**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **5/5/2008**	SeqNo: **1450697**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	57.023	1.8	5.000	52.56	89.3	80	120				

Sample ID: **MB-45375B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **5/2/2008**	RunNo: **94144**
Client ID: **PBS**	Batch ID: **45375**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **5/5/2008**	SeqNo: **1450698**

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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **097569-070A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **5/2/2008**	RunNo: **94144**
Client ID: **ZZZZZZ**	Batch ID: **45375**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **5/5/2008**	SeqNo: **1450700**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.256	0.25						6.112	2.33	20	

Sample ID: **097569-070A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **5/2/2008**	RunNo: **94144**
Client ID: **ZZZZZZ**	Batch ID: **45375**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **5/5/2008**	SeqNo: **1450701**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.701	0.50	5.000	6.112	112	80	120				

Sample ID: **097569-070A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **5/2/2008**	RunNo: **94144**
Client ID: **ZZZZZZ**	Batch ID: **45375**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **5/5/2008**	SeqNo: **1450702**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.714	0.50	5.000	6.112	112	80	120	11.70	0.111	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: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-45393A**	SampType: **MBLK**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **5/5/2008**	RunNo: **94150**
Client ID: **PBS**	Batch ID: **45393**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **5/5/2008**	SeqNo: **1450756**

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

Sample ID: **MB-45376A TCLP**	SampType: **MBLK**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **5/5/2008**	RunNo: **94150**
Client ID: **PBS**	Batch ID: **45393**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **5/5/2008**	SeqNo: **1450757**

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

Sample ID: **LCS-45393**	SampType: **LCS**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **5/5/2008**	RunNo: **94150**
Client ID: **LCSS**	Batch ID: **45393**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **5/5/2008**	SeqNo: **1450758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.092	0.25	1.000	0	109	80	120				

Sample ID: **098521-031A-DUP**	SampType: **DUP**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **5/5/2008**	RunNo: **94150**
Client ID: **SHA16-0**	Batch ID: **45393**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **5/5/2008**	SeqNo: **1450763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.059	0.25						1.088	2.72	20	

Sample ID: **098521-031A-MS**	SampType: **MS**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **5/5/2008**	RunNo: **94150**
Client ID: **SHA16-0**	Batch ID: **45393**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **5/5/2008**	SeqNo: **1450764**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.520	0.25	2.500	1.088	137	70	130				S

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 098521
Project: S.R.99 Ceres ADL, S9230-06-12

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **098521-031A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2008** RunNo: **94150**
Client ID: **SHA16-0** Batch ID: **45393** TestNo: **EPA 1311/ 74 EPA3010A** Analysis Date: **5/5/2008** SeqNo: **1450765**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.652	0.25	2.500	1.088	143	70	130	4.520	2.87	20	S

Qualifiers:

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

Diane Galvan

From: John Juhrend [juhrend@geoconinc.com]
Sent: Thursday, May 01, 2008 2:25 PM
To: Diane Galvan
Subject: RE: Results - S.R.99 Ceres ADL (098521)

Diane – forgot to ask to have totals rerun with each soluble sample – OK?

Sincerely,

John

From: John Juhrend [mailto:juhrend@geoconinc.com]
Sent: Thursday, May 01, 2008 1:10 PM
To: Diane Galvan
Cc: 'Ken Doran'
Subject: RE: Results - S.R.99 Ceres ADL (098521)

Hi Diane – please analyze the following soil samples for soluble lead under rush 72-hour TAT:

ATL# 098521 WET Soluble Lead:

-001A
-005A
-009A
-013A
-014A
-017A
-019A
-023A
-027A
-029A

ATL# 098521 TCLP Soluble Lead:

-025A
-031A

Please reply and confirm. Thanks,

John Juhrend, PE, CEG
Principal
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
juhrend@geoconinc.com

GEOCON
CONSULTANTS INC

APPENDIX B

Nonparametric UCL Statistics for Full Data Set

User Selected Options

From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	90%
Number of Bootstrap Operations	2000

initial 0

Number of Valid Observations	20
Number of Distinct Observations	15
Minimum	11
Maximum	1600
Mean	317.8
Median	170
SD	397.6
Variance	158069
Coefficient of Variation	1.251
Skewness	2.262
Mean of log data	5.147
SD of log data	1.187

90% Useful UCLs

Student's-t UCL	435.8

90% UCLs (Adjusted for Skewness)

90% Adjusted-CLT UCL	463.8
90% Modified-t UCL	443.3

Non-Parametric UCLs

90% CLT UCL	431.7
90% Jackknife UCL	435.8
90% Standard Bootstrap UCL	426.3
90% Bootstrap-t UCL	506.9
90% Hall's Bootstrap UCL	499.7
90% Percentile Bootstrap UCL	436.9
90% BCA Bootstrap UCL	468.6
90% Chebyshev(Mean, Sd) UCL	584.5
95% Chebyshev(Mean, Sd) UCL	705.3
97.5% Chebyshev(Mean, Sd) UCL	872.9
99% Chebyshev(Mean, Sd) UCL	1202

Data appear Gamma Distributed (0.05)

May want to try Gamma UCLs

reanaly 0

Number of Valid Observations	20
Number of Distinct Observations	16
Minimum	11
Maximum	910
Mean	238.6
Median	140
SD	228
Variance	52004
Coefficient of Variation	0.956
Skewness	1.621
Mean of log data	5.012
SD of log data	1.08

90% Useful UCLs

Student's-t UCL	306.3

90% UCLs (Adjusted for Skewness)	
90% Adjusted-CLT UCL	317.1
90% Modified-t UCL	309.3
Non-Parametric UCLs	
90% CLT UCL	303.9
90% Jackknife UCL	306.3
90% Standard Bootstrap UCL	301.6
90% Bootstrap-t UCL	327.3
90% Hall's Bootstrap UCL	327
90% Percentile Bootstrap UCL	307.7
90% BCA Bootstrap UCL	316.7
90% Chebyshev(Mean, Sd) UCL	391.5
95% Chebyshev(Mean, Sd) UCL	460.8
97.5% Chebyshev(Mean, Sd) UCL	557
99% Chebyshev(Mean, Sd) UCL	745.9

Data appear Gamma Distributed (0.05)

May want to try Gamma UCLs

initial 1

Number of Valid Observations	20
Number of Distinct Observations	10
Minimum	1.1
Maximum	680
Mean	54.3
Median	2.5
SD	157.1
Variance	24691
Coefficient of Variation	2.894
Skewness	3.776
Mean of log data	2.029
SD of log data	1.597

Data do not follow a Discernable Distribution

90% Useful UCLs	
Student's-t UCL	101
90% UCLs (Adjusted for Skewness)	
90% Adjusted-CLT UCL	120.5
90% Modified-t UCL	105.9
Non-Parametric UCLs	
90% CLT UCL	99.33
90% Jackknife UCL	101
90% Standard Bootstrap UCL	97.2
90% Bootstrap-t UCL	652.1
90% Hall's Bootstrap UCL	368.2
90% Percentile Bootstrap UCL	100.1
90% BCA Bootstrap UCL	123.5
90% Chebyshev(Mean, Sd) UCL	159.7
95% Chebyshev(Mean, Sd) UCL	207.5
97.5% Chebyshev(Mean, Sd) UCL	273.7
99% Chebyshev(Mean, Sd) UCL	403.9

Potential UCL to Use

Recommendation Provided only for 95% Confidence Coefficient

reanaly 1

Number of Valid Observations	20
Number of Distinct Observations	10

Minimum	1.1
Maximum	520
Mean	46.3
Median	2.5
SD	124.2
Variance	15433
Coefficient of Variation	2.683
Skewness	3.465
Mean of log data	2.015
SD of log data	1.66

Data do not follow a Discernable Distribution

90% Useful UCLs	
Student's-t UCL	83.18
90% UCLs (Adjusted for Skewness)	
90% Adjusted-CLT UCL	97.27
90% Modified-t UCL	86.77
Non-Parametric UCLs	
90% CLT UCL	81.9
90% Jackknife UCL	83.18
90% Standard Bootstrap UCL	80.9
90% Bootstrap-t UCL	421.9
90% Hall's Bootstrap UCL	292
90% Percentile Bootstrap UCL	84.68
90% BCA Bootstrap UCL	106.2
90% Chebyshev(Mean, Sd) UCL	129.6
95% Chebyshev(Mean, Sd) UCL	167.4
97.5% Chebyshev(Mean, Sd) UCL	219.8
99% Chebyshev(Mean, Sd) UCL	322.7

Potential UCL to Use

Recommendation Provided only for 95% Confidence Coefficient

reanaly 1 no outlier

Number of Valid Observations	19
Number of Distinct Observations	9
Minimum	1.1
Maximum	250
Mean	21.37
Median	2.5
SD	56.29
Variance	3168
Coefficient of Variation	2.634
Skewness	4.134
Mean of log data	1.792
SD of log data	1.363

Data do not follow a Discernable Distribution

90% Useful UCLs	
Student's-t UCL	38.55
90% UCLs (Adjusted for Skewness)	
90% Adjusted-CLT UCL	46.66
90% Modified-t UCL	40.59
Non-Parametric UCLs	
90% CLT UCL	37.92
90% Jackknife UCL	38.55
90% Standard Bootstrap UCL	37.69
90% Bootstrap-t UCL	116.3
90% Hall's Bootstrap UCL	112.8

90% Percentile Bootstrap UCL	36.17
90% BCA Bootstrap UCL	48.98
90% Chebyshev(Mean, Sd) UCL	60.11
95% Chebyshev(Mean, Sd) UCL	77.65
97.5% Chebyshev(Mean, Sd) UCL	102
99% Chebyshev(Mean, Sd) UCL	149.9

Potential UCL to Use

Recommendation Provided only for 95% Confidence Coefficient

Nonparametric UCL Statistics for Full Data Set

User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	90%
Number of Bootstrap Operations	2000

init 1 no outlier

Number of Valid Observations	19
Number of Distinct Observations	9
Minimum	1.1
Maximum	250
Mean	21.37
Median	2.5
SD	56.29
Variance	3168
Coefficient of Variation	2.634
Skewness	4.134
Mean of log data	1.792
SD of log data	1.363

Data do not follow a Discernable Distribution

90% Useful UCLs	
Student's-t UCL	38.55
90% UCLs (Adjusted for Skewness)	
90% Adjusted-CLT UCL	46.66
90% Modified-t UCL	40.59
Non-Parametric UCLs	
90% CLT UCL	37.92
90% Jackknife UCL	38.55
90% Standard Bootstrap UCL	37.82
90% Bootstrap-t UCL	115.1
90% Hall's Bootstrap UCL	112.3
90% Percentile Bootstrap UCL	37.27
90% BCA Bootstrap UCL	49.74
90% Chebyshev(Mean, Sd) UCL	60.11
95% Chebyshev(Mean, Sd) UCL	77.65
97.5% Chebyshev(Mean, Sd) UCL	102
99% Chebyshev(Mean, Sd) UCL	149.9

Potential UCL to Use

Recommendation Provided only for 95% Confidence Coefficient

Nonparametric UCL Statistics for Full Data Set

User Selected Options

From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

initial 0

Number of Valid Observations	20
Number of Distinct Observations	15
Minimum	11
Maximum	1600
Mean	317.8
Median	170
SD	397.6
Variance	158069
Coefficient of Variation	1.251
Skewness	2.262
Mean of log data	5.147
SD of log data	1.187

95% Useful UCLs

Student's-t UCL	471.5

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL	512
95% Modified-t UCL	479

Non-Parametric UCLs

95% CLT UCL	464
95% Jackknife UCL	471.5
95% Standard Bootstrap UCL	456.3
95% Bootstrap-t UCL	607
95% Hall's Bootstrap UCL	570.6
95% Percentile Bootstrap UCL	482.1
95% BCA Bootstrap UCL	508.3
95% Chebyshev(Mean, Sd) UCL	705.3
97.5% Chebyshev(Mean, Sd) UCL	872.9
99% Chebyshev(Mean, Sd) UCL	1202

Data appear Gamma Distributed (0.05)

May want to try Gamma UCLs

reanaly 0

Number of Valid Observations	20
Number of Distinct Observations	16
Minimum	11
Maximum	910
Mean	238.6
Median	140
SD	228
Variance	52004
Coefficient of Variation	0.956
Skewness	1.621
Mean of log data	5.012
SD of log data	1.08

95% Useful UCLs	
Student's-t UCL	326.7
95% UCLs (Adjusted for Skewness)	
95% Adjusted-CLT UCL	342.2
95% Modified-t UCL	329.8
Non-Parametric UCLs	
95% CLT UCL	322.4
95% Jackknife UCL	326.7
95% Standard Bootstrap UCL	321.1
95% Bootstrap-t UCL	365.3
95% Hall's Bootstrap UCL	391.5
95% Percentile Bootstrap UCL	326.7
95% BCA Bootstrap UCL	342.6
95% Chebyshev(Mean, Sd) UCL	460.8
97.5% Chebyshev(Mean, Sd) UCL	557
99% Chebyshev(Mean, Sd) UCL	745.9
Data appear Gamma Distributed (0 05)	
May want to try Gamma UCLs	

init 1

Number of Valid Observations	20
Number of Distinct Observations	10
Minimum	1.1

Maximum	680
Mean	54.3
Median	2.5
SD	157.1
Variance	24691
Coefficient of Variation	2.894
Skewness	3.776
Mean of log data	2.029
SD of log data	1.697

Data do not follow a Discernable Distribution

95% Useful UCLs	
Student's-t UCL	115.1
95% UCLs (Adjusted for Skewness)	
95% Adjusted-CLT UCL	143.8
95% Modified-t UCL	120
Non-Parametric UCLs	
95% CLT UCL	112.1
95% Jackknife UCL	115.1
95% Standard Bootstrap UCL	108.8
95% Bootstrap-t UCL	788
95% Hall's Bootstrap UCL	482.1
95% Percentile Bootstrap UCL	119.9
95% BCA Bootstrap UCL	165.3
95% Chebyshev(Mean, Sd) UCL	207.5
97.5% Chebyshev(Mean, Sd) UCL	273.7
99% Chebyshev(Mean, Sd) UCL	403.9
Potential UCL to Use	
99% Chebyshev(Mean, Sd) UCL	403.9

reanaly 1

Number of Valid Observations	20
Number of Distinct Observations	10
Minimum	1.1
Maximum	520
Mean	46.3
Median	2.5
SD	124.2
Variance	15433
Coefficient of Variation	2.683
Skewness	3.465
Mean of log data	2.015
SD of log data	1.66

Data do not follow a Discernable Distribution

95% Useful UCLs	
Student's-t UCL	94.33
95% UCLs (Adjusted for Skewness)	
95% Adjusted-CLT UCL	115
95% Modified-t UCL	97.92
Non-Parametric UCLs	
95% CLT UCL	91.99
95% Jackknife UCL	94.33
95% Standard Bootstrap UCL	91.18
95% Bootstrap-t UCL	559
95% Hall's Bootstrap UCL	351.3
95% Percentile Bootstrap UCL	96.25
95% BCA Bootstrap UCL	123.1

95% Chebyshev(Mean, Sd) UCL	167.4
97.5% Chebyshev(Mean, Sd) UCL	219.8
99% Chebyshev(Mean, Sd) UCL	322.7
Potential UCL to Use	
99% Chebyshev(Mean, Sd) UCL	322.7

reanaly 1 no outlier

Number of Valid Observations	19
Number of Distinct Observations	9
Minimum	1.1
Maximum	250
Mean	21.37
Median	2.5
SD	56.29
Variance	3168
Coefficient of Variation	2.634
Skewness	4.134
Mean of log data	1.792
SD of log data	1.363

Data do not follow a Discernable Distribution

95% Useful UCLs	
Student's-t UCL	43.76
95% UCLs (Adjusted for Skewness)	
95% Adjusted-CLT UCL	55.7
95% Modified-t UCL	45.8
Non-Parametric UCLs	
95% CLT UCL	42.61
95% Jackknife UCL	43.76
95% Standard Bootstrap UCL	42.48
95% Bootstrap-t UCL	140.8
95% Hall's Bootstrap UCL	119.2
95% Percentile Bootstrap UCL	46.52
95% BCA Bootstrap UCL	60.45
95% Chebyshev(Mean, Sd) UCL	77.65
97.5% Chebyshev(Mean, Sd) UCL	102
99% Chebyshev(Mean, Sd) UCL	149.9
Potential UCL to Use	
99% Chebyshev(Mean, Sd) UCL	149.9

Nonparametric UCL Statistics for Full Data Set

User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

init 1 no outlier

Number of Valid Observations	19
Number of Distinct Observations	9
Minimum	1.1
Maximum	250
Mean	21.37
Median	2.5
SD	56.29
Variance	3168
Coefficient of Variation	2.634
Skewness	4.134
Mean of log data	1.792
SD of log data	1.363

Data do not follow a Discernable Distribution

95% Useful UCLs	
Student's-t UCL	43 76
95% UCLs (Adjusted for Skewness)	
95% Adjusted-CLT UCL	55 7
95% Modified-t UCL	45 8
Non-Parametric UCLs	
95% CLT UCL	42.61
95% Jackknife UCL	43.76
95% Standard Bootstrap UCL	42.04
95% Bootstrap-t UCL	137.1
95% Hall's Bootstrap UCL	118.5
95% Percentile Bootstrap UCL	45.56
95% BCA Bootstrap UCL	60.19
95% Chebyshev(Mean, Sd) UCL	77.65
97.5% Chebyshev(Mean, Sd) UCL	102
99% Chebyshev(Mean, Sd) UCL	149.9
Potential UCL to Use	
99% Chebyshev(Mean, Sd) UCL	149.9

Outlier Tests for Selected Variables

User Selected Options

From File	WorkSheet.wst
Full Precision	OFF
Test for Suspected Outliers with Dixon test	1
Test for Suspected Outliers with Rosner test	1

Dixon's Outlier Test for reanaly 1

Number of data = 20
10% critical value: 0.401
5% critical value: 0.45
1% critical value: 0.535

1. Data Value 520 is a Potential Outlier (Upper Tail)?

Test Statistic: 0.931

For 10% significance level, 520 is an outlier.
For 5% significance level, 520 is an outlier.
For 1% significance level, 520 is an outlier.

2. Data Value 1.1 is a Potential Outlier (Lower Tail)?

Test Statistic: 0.038

For 10% significance level, 1.1 is not an outlier.
For 5% significance level, 1.1 is not an outlier.
For 1% significance level, 1.1 is not an outlier.

Outlier Tests for Selected Variables

User Selected Options

From File	WorkSheet.wst
Full Precision	OFF
Test for Suspected Outliers with Dixon test	1
Test for Suspected Outliers with Rosner test	1

Dixon's Outlier Test for init 1

Number of data = 20
10% critical value: 0.401
5% critical value: 0.45
1% critical value: 0.535

1 Data Value 680 is a Potential Outlier (Upper Tail)?

Test Statistic: 0.948

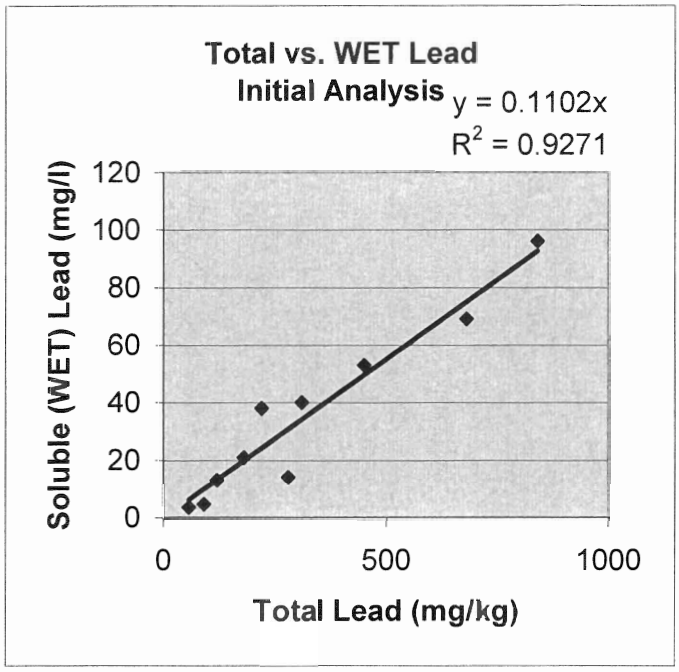
For 10% significance level, 680 is an outlier.
For 5% significance level, 680 is an outlier.
For 1% significance level, 680 is an outlier.

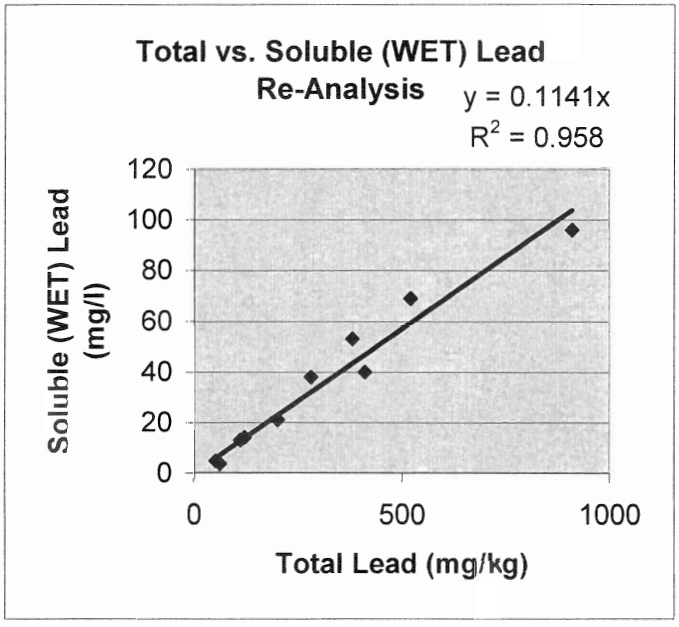
2. Data Value 1.1 is a Potential Outlier (Lower Tail)?

Test Statistic: 0.038

For 10% significance level, 1.1 is not an outlier.
For 5% significance level, 1.1 is not an outlier.
For 1% significance level, 1.1 is not an outlier.

Sample ID	Total Lead Initial	Total Lead Re-analysis	WET Lead
NHA10-(	56	61	3.5
SHA12-0	90	51	4.6
SHA14-0	120	110	13
NHA5-0	280	120	14
NHA3-0	180	200	21
NHA1-0	220	280	38
NHA7-0	310	410	40
SHA15-0	450	380	53
NHA7-1	680	520	69
NHA9-0	840	910	96





AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

State Route 99
Kansas Avenue to Tuolumne Boulevard
Modesto, California

PREPARED FOR:

CALIFORNIA DEPARTMENT OF TRANSPORTATION – DISTRICT 6
HAZARDOUS WASTE BRANCH
2015 E. SHIELDS AVENUE, SUITE 100
FRESNO, CALIFORNIA 93726

Caltrans

PREPARED BY:

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

GEOCON

GEOCON PROJECT NO. S9200-06-72
TASK ORDER NO. 72, EA NO. 10-0A6711

JUNE 2009

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. S9200-06-72
June 4, 2009

Mr. Shawn Ogletree
California Department of Transportation – District 6
Hazardous Waste Branch
2015 E. Shields Avenue, Suite 100
Fresno, California 93726

Subject: STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA
CONTRACT NO. 06A1141
TASK ORDER NO. 72, EA 10-0A6711
AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

Dear Mr. Ogletree:

In accordance with California Department of Transportation (Caltrans) Contract No. 06A1141, Task Order Number 72, and Expense Authorization No. 10-0A6711, we have performed environmental engineering services for the subject project. The Site consists of Caltrans right-of-way planned for roadway improvements along State Route 99 from Kansas Avenue to Tuolumne Boulevard in Modesto, Stanislaus County, California. The accompanying report summarizes the services performed including the advancement of 32 direct-push and 116 hand-auger borings for shallow soil sampling and laboratory testing for aerially deposited lead.

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, PG, CEG
Project Manager

REGISTERED PROFESSIONAL ENGINEER
JOHN JUHREND
No. 46681
Exp. 06/30/09
CIVIL
STATE OF CALIFORNIA

GGR:JEJ:jaj

(3 + 2 CDs) Addressee

TABLE OF CONTENTS

AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT Page

AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This Aerially Deposited Lead (ADL) Site Investigation report for the State Route 99 (SR-99) Kansas Avenue to Tuolumne Boulevard project was prepared by Geocon Consultants, Inc. under California Department of Transportation (Caltrans) Contract No. 06A1141, Task Order (TO) No. 72, and Expense Authorization (EA) 10-0A6711.

1.1 Project Description and Proposed Improvements

The project area consists of SR-99 from Kansas Avenue to Tuolumne Boulevard (the Site) in Modesto, Stanislaus County, California. Caltrans proposes to rehabilitate/reconstruct five existing on- and/or offramps along SR-99 from Tuolumne River Bridge (Post Mile [PM] 15.1) to Kansas Avenue (PM R17.0). The approximate project location is depicted on the Vicinity Map, Figure 1, and Site Plans, Figures 2-1 through 2-5.

1.2 General Objectives

The purpose of the scope of services outlined in TO No. 72 was to determine whether impacts due to aerial lead deposition from motor vehicle exhaust exist in the surface and near surface soils within the project boundaries. The investigative results will be used by Caltrans for preliminary planning purposes and to inform the construction contractor(s) if lead-impacted soil is present within the project boundaries for health, safety, management and disposal evaluation 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.

3.0 SCOPE OF SERVICES

We performed the following scope of services as requested by Caltrans in TO No. 72:

3.1 Pre-field Activities

- Conducted a TO meeting on April 3, 2009, to discuss the TO scope of services. Caltrans representative Shawn Ogletree and Geocon representative Gemma Reblando attended the meeting. The purpose of the TO meeting was to identify and observe the project boundaries and conditions. The proposed boring locations were further marked out with white paint for subsequent utility clearance.
- Prepared a *Workplan* dated April 7, 2009, which described the requested scope of services and quality assurance/quality control (QA/QC) sampling and laboratory procedures.

- Prepared a *Health and Safety Plan* dated April 9, 2009, to provide guidelines on the use of personal protective equipment and the health and safety procedures implemented during the field activities.
- Provided at least 48-hour notification to Underground Service Alert (Ticket Nos. 94833, 95146, 95053, 95071 and 95093) prior to job site mobilization.
- Retained the services of Advanced Technology Laboratories (ATL) to perform the chemical analysis of soil samples.

3.2 Field Activities

The field activities consisted of collecting soil samples along the SR-99 on- and/or offramp at Kansas Avenue, L Street, I Street and Tuolumne Boulevard. On April 14 through 16, 2009, 369 soil samples were collected from 32 direct-push and 116 hand-auger borings at the Caltrans designated soil sampling locations. The soil borings were excavated to an approximate maximum sampling depth of 2.0 feet. The soil samples were collected at general depths of 0.0 to 0.5 foot and 0.5 to 1.0 foot at the southbound (SB) SR-99 off-ramp at L Street and I Street locations. The soil samples were collected at general depths of 0.0 to 0.5 foot, 0.5 to 1.0 foot and 1.5 to 2.0 feet at the SB SR-99 onramp at Kansas Avenue, northbound (NB) SR-99 onramp at Kansas Avenue and SB SR-99 onramp at Tuolumne Boulevard.

4.0 INVESTIGATIVE METHODS

4.1 Boring Location Rationale

The following soil boring locations were designated by Caltrans in the vicinity of proposed SR-99 improvements. The soil borings were advanced at approximate 25-foot intervals at each location. The approximate boring locations are depicted on Figures 2-1 through 2-5.

- Borings NBK1 through NBK16 were advanced along the NB SR-99 onramp at Kansas Avenue. The boring locations were staggered within 1.0 and 4.0 feet from the edge of pavement (Figure 2-1).
- Borings KB1 through KB20 were advanced along the SB SR-99 onramp at Kansas Avenue. The boring locations were advanced within 3.0 feet from the edge of pavement (Figure 2-2).
- Borings LB1 through LB30 were advanced along the SB SR-99 offramp at L Street. The boring locations were staggered within 5.0, 10.0 and/or 15.0 feet from the edge of pavement (Figure 2-3).
- Borings IB1 through IB45 were advanced along the SB SR-99 offramp at I Street. The boring locations were advanced within 2.0 feet from the edge of pavement (Figure 2-4).
- Borings TB1 through TB37 were advanced along the SB SR-99 onramp at Tuolumne Boulevard. The boring locations were staggered within 5.0 and 15.0 feet from the edge of pavement (Figure 2-5).

The boring location coordinates were determined using a differential global positioning system (GPS). The GPS was utilized during the field activities to locate the horizontal position with an error of no more than 3.3 feet. The latitude and longitude boring coordinates are summarized on Table 1.

4.2 Soil Sampling Procedures

A total of 369 soil samples were collected from 148 borings excavated at the Site to maximum depths of 1.0 and 2.0 feet. Soil samples obtained from the direct-push borings were collected in cellulose thermoplastic (acetate) liners driven by the direct-push rig. The acetate liners were cut to separate the sample by depth, then the sample from a particular interval was opened and the soil sample was transferred to a Ziploc® re-sealable plastic bag. Soil samples collected using a hand-auger were transferred directly into re-sealable plastic bags. 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.

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™ solution followed by a double rinse with deionized water.

The borings were backfilled with the excess soil cuttings generated at each boring. The decontamination water was discharged to the ground surface away from surface water bodies or storm drain inlets.

4.3 Traffic Control

Caltrans maintenance provided an attenuator truck for traffic control during the field work.

4.4 Laboratory Analyses

The soil samples collected within the project boundaries were submitted to ATL for the following analyses under standard ten-day turn-around-time (TAT). The laboratory was instructed to homogenize the soil samples prior to analysis in accordance with Contract 06A1141 requirements.

- Three hundred sixty-nine soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B.
- Eighty-nine soil samples with total lead concentrations greater than or equal to 50 mg/kg (ten times the STLC value for lead of 5.0 mg/l) were further analyzed for soluble (WET) lead by EPA Test Method 7420.

- Sixty-one soil samples with soluble (WET) lead concentrations greater than or equal to the STLC value for lead of 5.0 mg/l were further analyzed for soluble lead using de-ionized water as extractant (DI-WET) by EPA Test Method 7420.
- Soil sample NBK13-0.0 with the highest total lead level was further analyzed for TCLP soluble lead following EPA Test Methods 1311 and 7420.
- Thirty-eight soil samples, selected at random, were analyzed for soil pH by EPA Test Method 9045C.

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 detection 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 A.

5.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS

5.1 Site Conditions

Soil encountered during the excavation of borings was generally comprised of sandy silt and silty clay to the maximum sampling depth of 2.0 feet. Groundwater was not encountered during the excavation of the soil borings.

5.2 Soil Analytical Results

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

Total lead was detected in 220 of 369 soil samples analyzed at concentrations ranging from 5.0 to 540 mg/kg. Eighty-nine of the 369 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.

WET soluble lead was reported for each of the 89 soil samples analyzed at concentrations ranging from 0.78 to 24 mg/l. Sixty-one of the 89 soil samples had soluble (WET) lead concentrations greater than or equal to the STLC value for lead of 5.0 mg/l and were further analyzed for DI-WET soluble lead. DI-WET soluble lead was reported for only one of the 61 soil samples analyzed at 0.95 mg/l.

TCLP soluble was detected in one soil sample analyzed at 0.31 mg/l, less than the federal RCRA hazardous waste threshold for lead of 5.0 mg/l.

Soil pH values ranged from 6.9 to 9.1.

5.3 Laboratory Quality Assurance/Quality Control

We reviewed the laboratory QA/QC provided with the laboratory reports. Duplicates, matrix spikes, and matrix spike duplicates were outside criteria for several samples. The case narrative additionally states that dilution was necessary for a number of samples due to sample matrix. However, the analytical batch was validated by the Laboratory Control Sample. Based on this limited data review, no additional qualifications of the soil data are necessary, and the data are of sufficient quality for the purposes of this report.

5.4 Statistical Evaluation for Lead Detected in Soil Samples

The total lead data were separated into five sample populations for statistical evaluation as described below:

- Sample population 'A' consists of soil samples collected from borings NBK1 through NBK16 located along the Kansas Avenue NB SR-99 onramp.
- Sample population 'B' consists of soil samples collected from borings KB1 through KB20 located along the Kansas Avenue SB SR-99 onramp.
- Sample population 'C' consists of soil samples collected from borings LB1 through LB30 located along the L Street SB SR-99 offramp.
- Sample population 'D' consists of soil samples collected from borings IB1 through IB45 located along the I Street SB SR-99 offramp.
- Sample population 'E' consists of soil samples collected from borings TB1 through TB37 located along the Tuolumne Boulevard SB SR-99 onramp.

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.

5.4.1 Calculating the UCLs for the Arithmetic Mean

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

Non-parametric bootstrap techniques 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 MRL, a value equal to one-half of the detection limit was used in the UCL calculation. The bootstrap results are included in Appendix B. The calculated UCLs and statistical results for each location are summarized in the tables below:

Sample Population 'A'
(Kansas Avenue NB SR-99 Onramp - Borings NBK1 through NBK16)

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 to 0.5	147.0	157.2	107.6	11	540
0.5 to 1.0	53.4	57.8	35.9	2.5	210
1.5 to 2.0	7.5	8.2	4.7	2.5	38

Sample Population 'B'
(Kansas Avenue SB SR-99 Onramp - Borings KB1 through KB20)

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 to 0.5	35.3	36.4	31.9	13	57
0.5 to 1.0	3.8	4.0	3.33	2.5	9.1
1.5 to 2.0	2.8	2.9	2.6	2.5	5.4

Sample Population 'C'
(L Street SB SR-99 Offramp - Borings LB1 through LB30)

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 to 0.5	48.5	50.3	42.0	9.0	140
0.5 to 1.0	18.5	20.1	13.2	2.5	110

Sample Population 'D'
(I Street SB SR-99 Offramp - Borings IB1 through IB45)

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 to 0.5	131.4	135.3	119.0	19	310
0.5 to 1.0	19.8	20.8	15.9	2.5	82

Sample Population 'E'
(Tuolumne Boulevard SB SR-99 Onramp - Borings TB1 through TB37)

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 to 0.5	55.9	57.8	48.7	6.6	140
0.5 to 1.0	6.9	7.4	5.4	2.5	37
1.5 to 2.0	4.2	4.5	3.4	2.5	26

5.4.2 Correlation of Total and Soluble Lead

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

To estimate the degree of interrelation between total and corresponding soluble (WET) lead values (*x* and *y*, respectively), the *correlation coefficient [r]* is used. The correlation coefficient is a ratio that ranges from +1 to –1. A *correlation coefficient* of +1 indicates a perfect direct relationship between two variables; a *correlation coefficient* of –1 indicates that one variable changes inversely with relation to the other. Between the two extremes is a spectrum of less-than-perfect relationships, including zero, which indicates the lack of any sort of linear relationship at all.

The *correlation coefficient* was calculated for the 89 (*x, y*) data points (i.e., soil samples analyzed for both total lead [*x*] and soluble [WET] lead [*y*]) and equaled 0.466. 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 the data points since the *correlation coefficient* is less than 0.8. To achieve an acceptable correlation, the total and soluble (WET) lead data from three of the 89 data points were excluded from the regression analysis (three data points with the lowest ratio of soluble (WET) lead to total lead) and the *correlation coefficient* equaled 0.8.

For the *correlation coefficient* that indicates a linear relationship between total and soluble (WET) lead concentrations, it is possible to compute the line of dependence or a best-fit line between the two variables. A least squares method was used to find the equation of a best-fit line (regression line) by forcing the y-intercept equal to zero since that is a known point. The equation of the regression line was determined to be $y = 0.0729(x)$, where x represents total lead concentrations and y represents predicted soluble lead (WET) concentrations.

This equation was used to estimate the expected WET soluble lead concentrations for the UCLs calculated in Section 5.4.1. Regression analysis results and a scatter plot depicting the (x, y) data points along with the regression line are included in Appendix B. The 90% and 95% UCL-predicted WET soluble lead concentrations are summarized in Section 6.0.

6.0 CONCLUSIONS AND RECOMMENDATIONS

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

Based on the TCLP soluble lead result 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' – Kansas Avenue NB SR-99 Onramp

The following table summarizes the predicted soluble WET lead concentrations and the waste classification for excavated soil within this area based on the calculated total lead UCLs and the relationship between total and soluble WET lead for data collected.

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 to 0.5 foot	147.0	**10.7**	157.2	**11.5**	**Hazardous**
Underlying soil (0.5 to 2.0 feet)	*38.1*	*2.8*	*41.3*	*3.0*	*Non-hazardous*
0 to 1.0 foot	100.2	**7.3**	107.5	**7.8**	**Hazardous**
Underlying soil (1.0 to 2.0 feet)	*30.5*	*2.2*	*33.0*	*2.4*	*Non-hazardous*
0 to 1.5 feet	84.6	**6.2**	90.9	**6.6**	**Hazardous**
Underlying soil (1.5 to 2.0 feet)	*7.5*	*0.5*	*8.2*	*0.6*	*Non-hazardous*
0 to 2.0 feet	65.3	4.8	70.3	**5.1**	**Hazardous**

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

Based on the above table, soil generated from excavations to 1.5 feet or shallower would be classified as a California hazardous waste since the 90% and 95% UCL-predicted soluble (WET) lead concentrations are greater than the lead STLC of 5.0 mg/l. Consequently, soil generated from excavations to 1.5 feet or shallower would require offsite disposal as a hazardous waste.

6.2 Sample Population 'B' – Kansas Avenue SB SR-99 Onramp

Soil materials excavated to the maximum sampling depth of 2.0 feet in the vicinity of borings KB1 through KB20 can be reused onsite or disposed as non-hazardous soil since the calculated 90% and 95% total lead UCLs are less than 50 mg/kg.

6.3 Sample Population 'C' – L Street SB SR-99 Offramp

The following table summarizes the predicted soluble WET lead concentrations and the waste classification for excavated soil within this area based on the calculated total lead UCLs and the relationship between total and soluble WET lead for data collected.

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 to 0.5 foot	48.5	3.5	50.3	3.7	Non-hazardous
Underlying soil (0.5 to 1.0 foot)	*18.5*	*1.3*	*20.1*	*1.5*	*Non-hazardous*
0 to 1.0 foot	33.5	2.4	35.2	2.6	Non-hazardous

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

Soil materials excavated to the maximum sampling depth of 1.0 foot within this area will not require special soil handling and disposal procedures based on lead content and can be reused or disposed as non-hazardous soil since the predicted 90% and 95% UCL-predicted WET soluble lead concentrations are less than 5.0 mg/l.

6.4 Sample Population 'D' – I Street SB SR-99 Offramp

The following table summarizes the predicted soluble WET lead concentrations and the waste classification for excavated soil within this area based on the calculated total lead UCLs and the relationship between total and soluble WET lead for data collected.

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 to 0.5 foot	131.4	**9.6**	135.3	**9.9**	**Hazardous**
Underlying soil (0.5 to 1.0 foot)	*19.8*	*1.4*	*20.8*	*1.5*	*Non-hazardous*
0 to 1.0 foot	75.6	**5.5**	78.1	**5.7**	**Hazardous**

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

Based on the above table, soil generated from excavations to 0.5 foot would be classified as a California hazardous waste since the 90% and 95% UCL-predicted soluble (WET) lead concentrations are greater than the lead STLC of 5.0 mg/l. Consequently, the top 0.5 foot of excavated soil would require offsite disposal as a hazardous waste.

6.5 Sample Population 'E' – Tuolumne Boulevard SB SR-99 Onramp

The following table summarizes the predicted soluble WET lead concentrations and the waste classification for excavated soil within this area based on the calculated total lead UCLs and the relationship between total and soluble WET lead for data collected.

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 to 0.5 foot	55.9	4.1	57.8	4.2	Non-hazardous
Underlying soil (0.5 to 2.0 feet)	*6.0*	*0.4*	*6.4*	*0.5*	*Non-hazardous*
0 to 1.0 foot	31.4	2.3	32.6	2.4	Non-hazardous
Underlying soil (1.0 to 2.0 feet)	*5.6*	*0.4*	*6.0*	*0.4*	*Non-hazardous*
0 to 1.5 feet	23.2	1.7	24.2	1.8	Non-hazardous
Underlying soil (1.5 to 2.0 feet)	*4.2*	*0.3*	*4.5*	*0.3*	*Non-hazardous*
0 to 2.0 feet	18.5	1.3	19.3	1.4	Non-hazardous

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

Based on the above table, soil generated from the top 2.0 feet would not be classified as a California hazardous waste since the 90% and 95% UCL-predicted soluble (WET) lead concentrations are less than the lead STLC of 5.0 mg/l. Consequently, excavated soil within the top 2.0 feet could be reused or disposed as non-hazardous soil with respect to lead content.

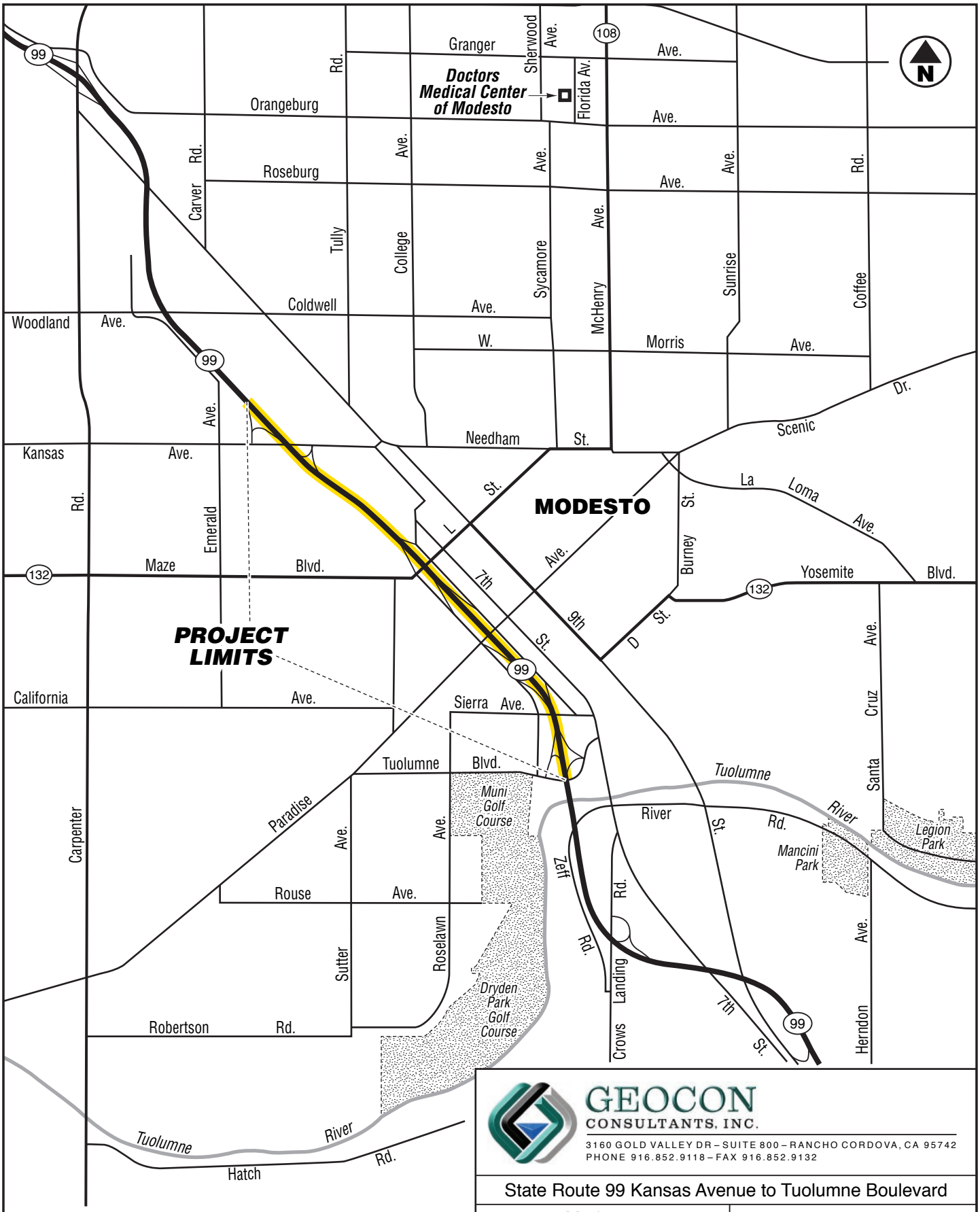
6.6 Worker Protection

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. The plan should include protocols for environmental and personnel monitoring, requirements for personal protective equipment, and other health and safety protocols and procedures for the handling of lead-impacted soil.

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
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PHONE 916.852.9118 – FAX 916.852.9132

State Route 99 Kansas Avenue to Tuolumne Boulevard

Modesto, California	**VICINITY MAP**	
GEOCON Proj. No. S9200-06-72		
Task Order No. 72	June 2009	Figure 1

LEGEND:

NBK1 ⊗ Approximate Soil Boring Location

0 50

Scale in Feet

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Modesto, California	**SITE PLAN** **Kansas Avenue Northbound Onramp**	
GEOCON Proj. No. S9200-06-72		
Task Order No. 72	June 2009	Figure 2-1

LEGEND:

KB1 ⊗ Approximate Soil Boring Location

0 50
Scale in Feet

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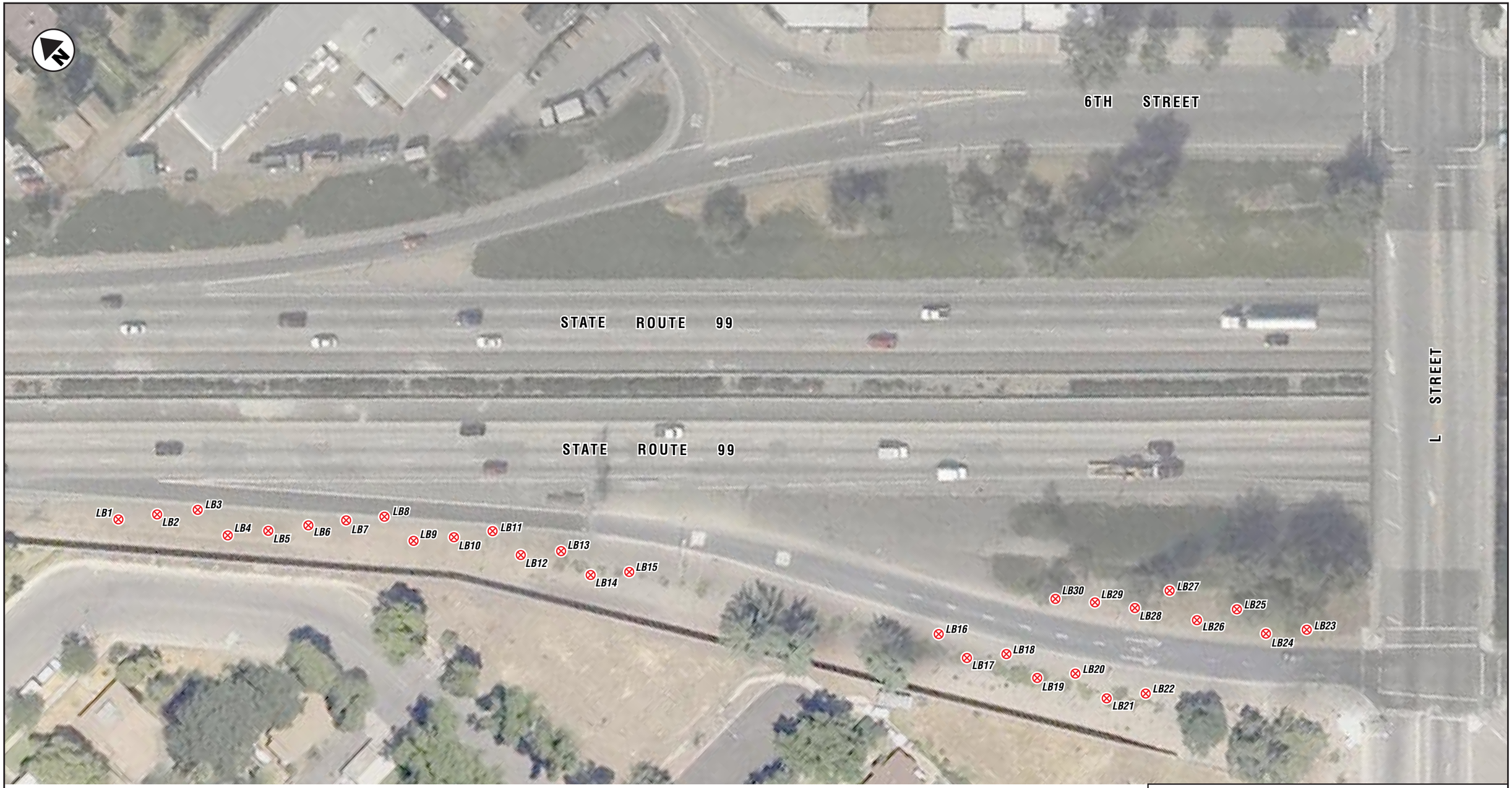
State Route 99 Kansas Avenue to Tuolumne Boulevard

Modesto, California	**SITE PLAN** **Kansas Avenue Southbound Onramp**	
GEOCON Proj. No. S9200-06-72		
Task Order No. 72	June 2009	Figure 2-2



LEGEND:

LB1 ⊗ Approximate Soil Boring Location

0 60
Scale in Feet

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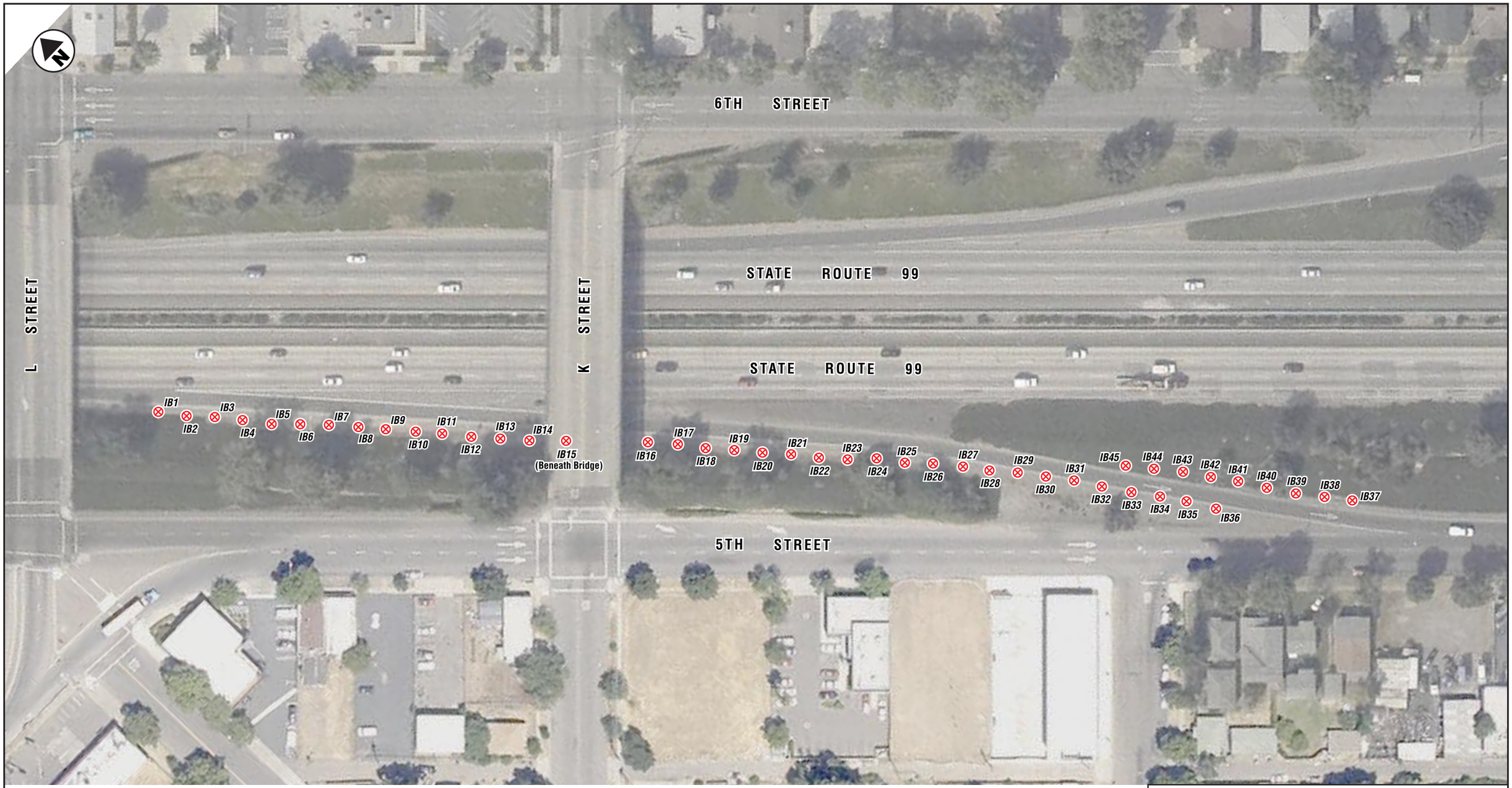
State Route 99 Kansas Avenue to Tuolumne Boulevard

Modesto, California	**SITE PLAN** "L" Street Southbound Offramp	
GEOCON Proj. No. S9200-06-72		
Task Order No. 72	June 2009	Figure 2-3



LEGEND:

IB1 ⊗ Approximate Soil Boring Location

0 80

Scale in Feet

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State Route 99 Kansas Avenue to Tuolumne Boulevard

Modesto, California	**SITE PLAN "I" Street Southbound Offramp**	
GEOCON Proj. No. S9200-06-72		
Task Order No. 72	June 2009	Figure 2-4

LEGEND:

TB1 ⊗ Approximate Soil Boring Location

0 50
Scale in Feet

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State Route 99 Kansas Avenue to Tuolumne Boulevard

Modesto, California	**SITE PLAN** **Tuolumne Boulevard Southbound Onramp**	
GEOCON Proj. No. S9200-06-72		
Task Order No. 72	June 2009	Figure 2-5

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
KANSAS AVENUE NORTHBOUND SR-99 ONRAMP							
NBK1-0.0	4/15/2009	37.645592737	-121.014925032	42	---	---	---
NBK1-0.5	4/15/2009			<5.0	---	---	---
NBK1-1.5	4/15/2009			<5.0	---	---	---
NBK2-0.0	4/15/2009	37.645548477	-121.014923567	11	---	---	8.7
NBK2-0.5	4/15/2009			<5.0	---	---	---
NBK2-1.5	4/15/2009			<5.0	---	---	---
NBK3-0.0	4/15/2009	37.645471406	-121.014946524	20	---	---	---
NBK3-0.5	4/15/2009			<5.0	---	---	---
NBK3-1.5	4/15/2009			<5.0	---	---	---
NBK4-0.0	4/15/2009	37.645431382	-121.014988338	14	---	---	---
NBK4-0.5	4/15/2009			<5.0	---	---	---
NBK4-1.5	4/15/2009			<5.0	---	---	---
NBK5-0.0	4/15/2009	37.645385384	-121.015049043	77	4.6	---	8.2
NBK5-0.5	4/15/2009			<5.0	---	---	---
NBK5-1.5	4/15/2009			<5.0	---	---	---
NBK6-0.0	4/15/2009	37.645386945	-121.015137273	24	---	---	---
NBK6-0.5	4/15/2009			11	---	---	---
NBK6-1.5	4/15/2009			<5.0	---	---	---
NBK7-0.0	4/15/2009	37.645359693	-121.015189507	110	**8.1**	<0.25	---
NBK7-0.5	4/15/2009			<5.0	---	---	---
NBK7-1.5	4/15/2009			<5.0	---	---	---
NBK8-0.0	4/15/2009	37.645371548	-121.015275832	69	**8.0**	<0.25	---
NBK8-0.5	4/15/2009			16	---	---	---
NBK8-1.5	4/15/2009			<5.0	---	---	---
NBK9-0.0	4/15/2009	37.645377712	-121.015369748	39	---	---	---
NBK9-0.5	4/15/2009			5.0	---	---	---
NBK9-1.5	4/15/2009			<5.0	---	---	8.4
NBK10-0.0	4/15/2009	37.645402928	-121.015431221	160	**12**	<0.25	---
NBK10-0.5	4/15/2009			93	**7.3**	<0.25	---
NBK10-1.5	4/15/2009			<5.0	---	---	---
NBK11-0.0	4/15/2009	37.645476283	-121.015492389	97	**10**	<0.25	---
NBK11-0.5	4/15/2009			210	**10**	<0.25	---
NBK11-1.5	4/15/2009			38	---	---	---
NBK12-0.0	4/15/2009	37.645507922	-121.015548673	150	**14**	<0.25	---
NBK12-0.5	4/15/2009			38	---	---	---
NBK12-1.5	4/15/2009			<5.0	---	---	---
NBK13-0.0	4/15/2009	NA	NA	540	**13** / 0.31 (TCLP)	<0.25	7.1
NBK13-0.5	4/15/2009			50	4.6	---	---
NBK13-1.5	4/15/2009			<5.0	---	---	---

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
NBK14-0.0	4/15/2009	37.645622829	-121.015671195	68	**7.7**	<0.25	---
NBK14-0.5	4/15/2009			70	**7.5**	<0.25	---
NBK14-1.5	4/15/2009			<5.0	---	---	7.5
NBK15-0.0	4/15/2009	37.645664842	-121.015745731	110	**12**	<0.25	---
NBK15-0.5	4/15/2009			6.4	---	---	---
NBK15-1.5	4/15/2009			<5.0	---	---	---
NBK16-0.0	4/15/2009	37.645718710	-121.015794749	190	**23**	<0.25	---
NBK16-0.5	4/15/2009			60	4.8	---	---
NBK16-1.5	4/15/2009			<5.0	---	---	---
KANSAS AVENUE SOUTHBOUND SR-99 ONRAMP						---	
KB1-0.0	4/14/2009	37.646817391	-121.018620879	13	---	---	7.4
KB1-0.5	4/14/2009			<5.0	---	---	---
KB1-1.5	4/14/2009			<5.0	---	---	---
KB2-0.0	4/14/2009	37.646871367	-121.018591133	32	---	---	---
KB2-0.5	4/14/2009			<5.0	---	---	---
KB2-1.5	4/14/2009			<5.0	---	---	---
KB3-0.0	4/14/2009	37.646915199	-121.018542244	44	---	---	---
KB3-0.5	4/14/2009			6.2	---	---	---
KB3-1.5	4/14/2009			5.4	---	---	---
KB4-0.0	4/14/2009	37.646942662	-121.018497861	37	---	---	---
KB4-0.5	4/14/2009			<5.0	---	---	---
KB4-1.5	4/14/2009			<5.0	---	---	---
KB5-0.0	4/14/2009	37.646979505	-121.018436618	27	---	---	---
KB5-0.5	4/14/2009			9.1	---	---	---
KB5-1.5	4/14/2009			<5.0	---	---	---
KB6-0.0	4/14/2009	37.647008776	-121.018367580	30	---	---	---
KB6-0.5	4/14/2009			<5.0	---	---	7.8
KB6-1.5	4/14/2009			<5.0	---	---	---
KB7-0.0	4/14/2009	37.647022943	-121.018295390	39	---	---	---
KB7-0.5	4/14/2009			<5.0	---	---	---
KB7-1.5	4/14/2009			<5.0	---	---	---
KB8-0.0	4/14/2009	37.647045909	-121.018212955	46	---	---	---
KB8-0.5	4/14/2009			5.3	---	---	---
KB8-1.5	4/14/2009			<5.0	---	---	---
KB9-0.0	4/14/2009	37.647041506	-121.018154186	38	---	---	7.0
KB9-0.5	4/14/2009			<5.0	---	---	---
KB9-1.5	4/14/2009			<5.0	---	---	---
KB10-0.0	4/14/2009	37.647034611	-121.018073737	57	3.6	---	---
KB10-0.5	4/14/2009			<5.0	---	---	---
KB10-1.5	4/14/2009			<5.0	---	---	---

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
KB11-0.0	4/14/2009	37.646725262	-121.018557143	34	---	---	---
KB11-0.5	4/14/2009			<5.0	---	---	---
KB11-1.5	4/14/2009			<5.0	---	---	---
KB12-0.0	4/14/2009	37.646783615	-121.018517061	14	---	---	---
KB12-0.5	4/14/2009			6.0	---	---	---
KB12-1.5	4/14/2009			<5.0	---	---	---
KB13-0.0	4/14/2009	37.646830635	-121.018474798	34	---	---	---
KB13-0.5	4/14/2009			<5.0	---	---	---
KB13-1.5	4/14/2009			<5.0	---	---	8.0
KB14-0.0	4/14/2009	37.646863584	-121.018427121	47	---	---	---
KB14-0.5	4/14/2009			<5.0	---	---	---
KB14-1.5	4/14/2009			<5.0	---	---	---
KB15-0.0	4/14/2009	37.646898203	-121.018387362	28	---	---	---
KB15-0.5	4/14/2009			<5.0	---	---	---
KB15-1.5	4/14/2009			<5.0	---	---	---
KB16-0.0	4/14/2009	37.646918550	-121.018329422	21	---	---	---
KB16-0.5	4/14/2009			<5.0	---	---	---
KB16-1.5	4/14/2009			<5.0	---	---	---
KB17-0.0	4/14/2009	37.646938910	-121.018272369	45	---	---	8.3
KB17-0.5	4/14/2009			<5.0	---	---	---
KB17-1.5	4/14/2009			<5.0	---	---	---
KB18-0.0	4/14/2009	37.646943791	-121.018219210	16	---	---	---
KB18-0.5	4/14/2009			<5.0	---	---	---
KB18-1.5	4/14/2009			<5.0	---	---	---
KB19-0.0	4/14/2009	37.646955379	-121.018126629	21	---	---	8.2
KB19-0.5	4/14/2009			<5.0	---	---	---
KB19-1.5	4/14/2009			<5.0	---	---	---
KB20-0.0	4/14/2009	37.646945411	-121.018057311	15	---	---	---
KB20-0.5	4/14/2009			<5.0	---	---	---
KB20-1.5	4/14/2009			<5.0	---	---	---
L STREET SOUTHBOUND SR-99 OFFRAMP						---	
LB1-0.0	4/14/2009	37.640774503	-121.009181059	17	---	---	---
LB1-0.5	4/14/2009			7.0	---	---	---
LB2-0.0	4/14/2009	37.640719952	-121.009071646	25	---	---	---
LB2-0.5	4/14/2009			<5.0	---	---	7.8
LB3-0.0	4/14/2009	37.640674997	-121.009019760	140	**18**	<0.25	---
LB3-0.5	4/14/2009			5.0	---	---	---
LB4-0.0	4/14/2009	37.640574851	-121.008998398	19	---	---	---
LB4-0.5	4/14/2009			18	---	---	---

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
LB5-0.0	4/14/2009	37.640556413	-121.008932867	33	---	---	---
LB5-0.5	4/14/2009			6.8	---	---	---
LB6-0.0	4/14/2009	37.640520827	-121.008893402	21	---	---	---
LB6-0.5	4/14/2009			<5.0	---	---	---
LB7-0.0	4/14/2009	37.640470923	-121.008808973	65	**5.7**	<0.25	---
LB7-0.5	4/14/2009			<5.0	---	---	7.3
LB8-0.0	4/14/2009	37.640399890	-121.008794266	27	---	---	---
LB8-0.5	4/14/2009			35	---	---	---
LB9-0.0	4/14/2009	37.640340933	-121.008713536	26	---	---	---
LB9-0.5	4/14/2009			25	---	---	---
LB10-0.0	4/14/2009	37.640308359	-121.008642166	9.0	---	---	---
LB10-0.5	4/14/2009			7.2	---	---	---
LB11-0.0	4/14/2009	37.640258313	-121.008583081	83	**6.0**	<0.25	---
LB11-0.5	4/14/2009			5.5	---	---	---
LB12-0.0	4/14/2009	37.640166913	-121.008578505	52	3.4	---	---
LB12-0.5	4/14/2009			58	2.0	---	---
LB13-0.0	4/14/2009	37.640121420	-121.008518535	33	---	---	---
LB13-0.5	4/14/2009			<5.0	---	---	7.6
LB14-0.0	4/14/2009	37.640080342	-121.008438666	28	---	---	---
LB14-0.5	4/14/2009			<5.0	---	---	---
LB15-0.0	4/14/2009	37.640032591	-121.008352777	80	**7.6**	<0.25	---
LB15-0.5	4/14/2009			<5.0	---	---	---
LB16-0.0	4/14/2009	NA	NA	69	**5.4**	<0.25	---
LB16-0.5	4/14/2009			8.9	---	---	---
LB17-0.0	4/14/2009	NA	NA	9.9	---	---	---
LB17-0.5	4/14/2009			5.0	---	---	---
LB18-0.0	4/14/2009	37.639405275	-121.007900025	39	---	---	---
LB18-0.5	4/14/2009			<5.0	---	---	7.8
LB19-0.0	4/14/2009	37.639317713	-121.007905200	9.3	---	---	---
LB19-0.5	4/14/2009			7.0	---	---	---
LB20-0.0	4/14/2009	37.639296304	-121.007811337	47	---	---	---
LB20-0.5	4/14/2009			<5.0	---	---	---
LB21-0.0	4/14/2009	37.639209766	-121.007809956	21	---	---	---
LB21-0.5	4/14/2009			<5.0	---	---	---
LB22-0.0	4/14/2009	NA	NA	64	**5.9**	<0.25	---
LB22-0.5	4/14/2009			<5.0	---	---	---
LB23-0.0	4/14/2009	37.639083400	-121.007404004	27	---	---	---
LB23-0.5	4/14/2009			6.1	---	---	---

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
LB24-0.0	4/14/2009	37.639115713	-121.007499234	61	**6.2**	<0.25	---
LB24-0.5	4/14/2009			5.5	---	---	---
LB25-0.0	4/14/2009	37.639194722	-121.007522382	16	---	---	---
LB25-0.5	4/14/2009			6.4	---	---	7.5
LB26-0.0	4/14/2009	37.639220038	-121.007585297	80	**6.9**	<0.25	---
LB26-0.5	4/14/2009			<5.0	---	---	---
LB27-0.0	4/14/2009	37.639291871	-121.007594142	21	---	---	---
LB27-0.5	4/14/2009			47	---	---	---
LB28-0.0	4/14/2009	37.639326114	-121.007678863	47	---	---	---
LB28-0.5	4/14/2009			110	**5.8**	<0.25	7.8
LB29-0.0	4/14/2009	NA	NA	45	---	---	---
LB29-0.5	4/14/2009			<5.0	---	---	---
LB30-0.0	4/14/2009	37.639427917	-121.007784219	45	---	---	---
LB30-0.5	4/14/2009			<5.0	---	---	---
I STREET SOUTHBOUND SR-99 OFFRAMP						---	
IB1-0.0	4/15/2009	37.638819350	-121.006790872	41	---	---	---
IB1-0.5	4/15/2009			82	3.1	---	---
IB2-0.0	4/15/2009	37.638788005	-121.006747378	270	**24**	<0.25	---
IB2-0.5	4/15/2009			24	---	---	---
IB3-0.0	4/15/2009	37.638711850	-121.006664776	310	**8.0**	<0.25	---
IB3-0.5	4/15/2009			45	---	---	---
IB4-0.0	4/15/2009	37.638659115	-121.006627404	160	**15**	<0.25	7.4
IB4-0.5	4/15/2009			25	---	---	---
IB5-0.0	4/15/2009	37.638613348	-121.006567550	60	2.9	---	---
IB5-0.5	4/15/2009			56	**5.4**	<0.25	---
IB6-0.0	4/15/2009	37.638571576	-121.006521394	110	**7.4**	<0.25	---
IB6-0.5	4/15/2009			<5.0	---	---	---
IB7-0.0	4/15/2009	37.638506802	-121.006456705	78	**5.0**	<0.25	---
IB7-0.5	4/15/2009			26	---	---	---
IB8-0.0	4/15/2009	37.638446430	-121.006398733	110	**13**	<0.25	6.9
IB8-0.5	4/15/2009			24	---	---	---
IB9-0.0	4/15/2009	37.638390134	-121.006351828	130	**13**	<0.25	---
IB9-0.5	4/15/2009			13	---	---	---
IB10-0.0	4/15/2009	37.638341252	-121.006298166	310	**12**	<0.25	---
IB10-0.5	4/15/2009			<5.0	---	---	---
IB11-0.0	4/15/2009	37.638295795	-121.006235990	140	**8.9**	<0.25	---
IB11-0.5	4/15/2009			<5.0	---	---	8.2

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
IB12-0.0	4/15/2009	37.638242392	-121.006172017	160	**11**	<0.25	---
IB12-0.5	4/15/2009			<5.0	---	---	---
IB13-0.0	4/15/2009	37.638213078	-121.006127908	88	**10**	<0.25	---
IB13-0.5	4/15/2009			12	---	---	---
IB14-0.0	4/15/2009	NA	NA	250	**17**	<0.25	---
IB14-0.5	4/15/2009			<5.0	---	---	---
IB15-0.0	4/15/2009	NA	NA	92	**6.6**	<0.25	---
IB15-0.5	4/15/2009			<5.0	---	---	---
IB16-0.0	4/15/2009	NA	NA	84	**6.3**	<0.25	---
IB16-0.5	4/15/2009			53	4.8	---	---
IB17-0.0	4/15/2009	37.637925743	-121.005830474	110	**7.0**	<0.25	---
IB17-0.5	4/15/2009			22	---	---	---
IB18-0.0	4/15/2009	37.637879280	-121.005776817	92	**6.1**	<0.25	7.4
IB18-0.5	4/15/2009			52	0.78	---	---
IB19-0.0	4/15/2009	37.637819710	-121.005741546	100	**7.0**	<0.25	---
IB19-0.5	4/15/2009			<5.0	---	---	---
IB20-0.0	4/15/2009	37.637756473	-121.005679987	48	---	---	---
IB20-0.5	4/15/2009			7.4	---	---	---
IB21-0.0	4/15/2009	37.637720167	-121.005624968	35	---	---	---
IB21-0.5	4/15/2009			<5.0	---	---	7.4
IB22-0.0	4/15/2009	37.637666545	-121.005551292	94	**5.4**	<0.25	---
IB22-0.5	4/15/2009			<5.0	---	---	---
IB23-0.0	4/15/2009	37.637600066	-121.005511994	92	**8.3**	<0.25	---
IB23-0.5	4/15/2009			<5.0	---	---	---
IB24-0.0	4/15/2009	NA	NA	130	**6.5**	<0.25	---
IB24-0.5	4/15/2009			23	---	---	---
IB25-0.0	4/15/2009	37.637509983	-121.005378996	160	**14**	<0.25	---
IB25-0.5	4/15/2009			<5.0	---	---	---
IB26-0.0	4/15/2009	37.637444619	-121.005342284	180	**13**	<0.25	---
IB26-0.5	4/15/2009			<5.0	---	---	---
IB27-0.0	4/15/2009	37.637401299	-121.005301679	190	**11**	<0.25	---
IB27-0.5	4/15/2009			5.4	---	---	---
IB28-0.0	4/15/2009	37.637334546	-121.005256377	110	**5.3**	<0.25	---
IB28-0.5	4/15/2009			<5.0	---	---	---
IB29-0.0	4/15/2009	37.637276373	-121.005208367	53	4.8	---	---
IB29-0.5	4/15/2009			<5.0	---	---	9.1
IB30-0.0	4/15/2009	37.637222376	-121.005160051	93	4.5	---	---
IB30-0.5	4/15/2009			<5.0	---	---	---

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SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
IB31-0.0	4/15/2009	37.637157028	-121.005116047	140	**7.0**	<0.25	---
IB31-0.5	4/15/2009			<5.0	---	---	---
IB32-0.0	4/15/2009	37.637100015	-121.005064117	82	**14**	<0.25	---
IB32-0.5	4/15/2009			<5.0	---	---	---
IB33-0.0	4/15/2009	37.637044274	-121.005016291	90	4.9	---	---
IB33-0.5	4/15/2009			<5.0	---	---	---
IB34-0.0	4/15/2009	37.636989269	-121.004976281	88	**7.6**	<0.25	---
IB34-0.5	4/15/2009			<5.0	---	---	---
IB35-0.0	4/15/2009	37.636923749	-121.004922604	170	**10**	<0.25	8.1
IB35-0.5	4/15/2009			5.2	---	---	---
IB36-0.0	4/15/2009	37.636896062	-121.004881207	170	**17**	<0.25	---
IB36-0.5	4/15/2009			7.1	---	---	---
IB37-0.0	4/15/2009	37.636942478	-121.004799712	89	4.3	---	---
IB37-0.5	4/15/2009			8.2	---	---	---
IB38-0.0	4/15/2009	37.636997698	-121.004838522	75	3.6	---	---
IB38-0.5	4/15/2009			15	---	---	---
IB39-0.0	4/15/2009	37.637048780	-121.004886662	19	---	---	8.3
IB39-0.5	4/15/2009			71	3.6	---	---
IB40-0.0	4/15/2009	37.637104470	-121.004930018	49	---	---	---
IB40-0.5	4/15/2009			45	---	---	---
IB41-0.0	4/15/2009	37.637169457	-121.004991413	88	**5.3**	<0.25	---
IB41-0.5	4/15/2009			<5.0	---	---	---
IB42-0.0	4/15/2009	37.637219927	-121.005045894	140	**10**	<0.25	---
IB42-0.5	4/15/2009			19	---	---	---
IB43-0.0	4/15/2009	37.637278222	-121.005095291	110	**5.1**	<0.25	---
IB43-0.5	4/15/2009			<5.0	---	---	7.4
IB44-0.0	4/15/2009	37.637330447	-121.005145379	67	4.3	---	---
IB44-0.5	4/15/2009			18	---	---	---
IB45-0.0	4/15/2009	37.637368818	-121.005165131	100	**6.8**	0.95	---
IB45-0.5	4/15/2009			6.9	---	---	---
TUOLUMNE BOULEVARD SOUTHBOUND SR-99 ONRAMP						---	
TB1-0.0	4/16/2009	37.628013803	-120.998150004	87	**11**	<0.25	---
TB1-0.5	4/16/2009			6.5	---	---	---
TB1-1.5	4/16/2009			9.7	---	---	---
TB2-0.0	4/16/2009	37.627946544	-120.998155641	90	**11**	<0.25	7.4
TB2-0.5	4/16/2009			<5.0	---	---	---
TB2-1.5	4/16/2009			<5.0	---	---	---

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
TB3-0.0	4/16/2009	37.627873219	-120.998159691	91	**7.3**	<0.25	---
TB3-0.5	4/16/2009			<5.0	---	---	---
TB3-1.5	4/16/2009			<5.0	---	---	---
TB4-0.0	4/16/2009	37.627809986	-120.998171093	80	**6.7**	<0.25	---
TB4-0.5	4/16/2009			<5.0	---	---	---
TB4-1.5	4/16/2009			<5.0	---	---	---
TB5-0.0	4/16/2009	37.627976099	-120.998010287	70	3.9	---	---
TB5-0.5	4/16/2009			<5.0	---	---	---
TB5-1.5	4/16/2009			<5.0	---	---	---
TB6-0.0	4/16/2009	37.628063848	-120.998010325	94	4.4	---	8.0
TB6-0.5	4/16/2009			8.1	---	---	---
TB6-1.5	4/16/2009			<5.0	---	---	---
TB7-0.0	4/16/2009	37.628131088	-120.998009435	140	**8.5**	<0.25	---
TB7-0.5	4/16/2009			<5.0	---	---	---
TB7-1.5	4/16/2009			<5.0	---	---	---
TB8-0.0	4/16/2009	37.628201201	-120.998011973	47	---	---	---
TB8-0.5	4/16/2009			28	---	---	---
TB8-1.5	4/16/2009			26	---	---	7.5
TB9-0.0	4/16/2009	37.628266097	-120.998014940	63	3.9	---	---
TB9-0.5	4/16/2009			<5.0	---	---	---
TB9-1.5	4/16/2009			<5.0	---	---	---
TB10-0.0	4/16/2009	37.628337720	-120.998022734	43	---	---	---
TB10-0.5	4/16/2009			<5.0	---	---	---
TB10-1.5	4/16/2009			<5.0	---	---	---
TB11-0.0	4/16/2009	37.628373654	-120.997957341	6.6	---	---	---
TB11-0.5	4/16/2009			<5.0	---	---	---
TB11-1.5	4/16/2009			<5.0	---	---	---
TB12-0.0	4/16/2009	37.628404250	-120.998020573	52	1.5	---	---
TB12-0.5	4/16/2009			<5.0	---	---	---
TB12-1.5	4/16/2009			<5.0	---	---	7.2
TB13-0.0	4/16/2009	37.628442749	-120.997959453	11	---	---	---
TB13-0.5	4/16/2009			<5.0	---	---	---
TB13-1.5	4/16/2009			<5.0	---	---	---
TB14-0.0	4/16/2009	37.628474899	-120.998023382	39	---	---	---
TB14-0.5	4/16/2009			<5.0	---	---	---
TB14-1.5	4/16/2009			<5.0	---	---	---
TB15-0.0	4/16/2009	37.628513225	-120.997956139	8.6	---	---	---
TB15-0.5	4/16/2009			<5.0	---	---	---
TB15-1.5	4/16/2009			<5.0	---	---	---
TB16-0.0	4/16/2009	37.628548124	-120.998012343	49	---	---	---
TB16-0.5	4/16/2009			7.1	---	---	7.7
TB16-1.5	4/16/2009			<5.0	---	---	---

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
TB17-0.0	4/16/2009	37.628567257	-120.997961895	8.7	---	---	---
TB17-0.5	4/16/2009			<5.0	---	---	---
TB17-1.5	4/16/2009			<5.0	---	---	---
TB18-0.0	4/16/2009	37.628601741	-120.998009488	52	1.8	---	---
TB18-0.5	4/16/2009			6.4	---	---	---
TB18-1.5	4/16/2009			<5.0	---	---	8.0
TB19-0.0	4/16/2009	37.628613596	-120.997948007	12	---	---	---
TB19-0.5	4/16/2009			<5.0	---	---	---
TB19-1.5	4/16/2009			<5.0	---	---	---
TB20-0.0	4/16/2009	37.628674875	-120.998003976	50	2.6	---	---
TB20-0.5	4/16/2009			<5.0	---	---	---
TB20-1.5	4/16/2009			<5.0	---	---	---
TB21-0.0	4/16/2009	37.628726822	-120.997968356	57	2.2	---	---
TB21-0.5	4/16/2009			7.0	---	---	---
TB21-1.5	4/16/2009			<5.0	---	---	---
TB22-0.0	4/16/2009	37.628713545	-120.997893135	13	---	---	---
TB22-0.5	4/16/2009			5.2	---	---	---
TB22-1.5	4/16/2009			<5.0	---	---	---
TB23-0.0	4/16/2009	37.628772752	-120.997916820	28	---	---	---
TB23-0.5	4/16/2009			<5.0	---	---	7.4
TB23-1.5	4/16/2009			<5.0	---	---	---
TB24-0.0	4/16/2009	37.628809222	-120.997853420	7.8	---	---	---
TB24-0.5	4/16/2009			<5.0	---	---	---
TB24-1.5	4/16/2009			<5.0	---	---	7.4
TB25-0.0	4/16/2009	37.628775127	-120.997803901	14	---	---	---
TB25-0.5	4/16/2009			<5.0	---	---	---
TB25-1.5	4/16/2009			5.4	---	---	---
TB26-0.0	4/16/2009	37.628823332	-120.997760811	16	---	---	---
TB26-0.5	4/16/2009			5.3	---	---	---
TB26-1.5	4/16/2009			<5.0	---	---	---
TB27-0.0	4/16/2009	37.628815794	-120.997677101	35	---	---	---
TB27-0.5	4/16/2009			<5.0	---	---	---
TB27-1.5	4/16/2009			<5.0	---	---	---
TB28-0.0	4/16/2009	37.628770829	-120.997672962	22	---	---	---
TB28-0.5	4/16/2009			<5.0	---	---	7.7
TB28-1.5	4/16/2009			<5.0	---	---	---
TB29-0.0	4/16/2009	37.628783727	-120.997599018	26	---	---	---
TB29-0.5	4/16/2009			13	---	---	---
TB29-1.5	4/16/2009			<5.0	---	---	---
TB30-0.0	4/16/2009	37.628744515	-120.997551000	62	4.8	---	---
TB30-0.5	4/16/2009			9.6	---	---	---
TB30-1.5	4/16/2009			<5.0	---	---	---

TABLE 1
SUMMARY OF SOIL BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
STATE ROUTE 99 KANSAS AVENUE TO TUOLUMNE BOULEVARD
MODESTO, STANISLAUS COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	SOIL pH
TB31-0.0	4/16/2009	37.628687662	-120.997496413	130	**6.6**	<0.25	---
TB31-0.5	4/16/2009			5.8	---	---	---
TB31-1.5	4/16/2009			<5.0	---	---	---
TB32-0.0	4/16/2009	37.628832227	-120.997513438	82	3.6	---	---
TB32-0.5	4/16/2009			<5.0	---	---	---
TB32-1.5	4/16/2009			<5.0	---	---	---
TB33-0.0	4/16/2009	37.628875345	-120.997579256	45	---	---	---
TB33-0.5	4/16/2009			<5.0	---	---	7.6
TB33-1.5	4/16/2009			<5.0	---	---	---
TB34-0.0	4/16/2009	37.628898421	-120.997666414	61	2.5	---	---
TB34-0.5	4/16/2009			<5.0	---	---	---
TB34-1.5	4/16/2009			<5.0	---	---	---
TB35-0.0	4/16/2009	37.628905148	-120.997753941	47	---	---	7.9
TB35-0.5	4/16/2009			<5.0	---	---	---
TB35-1.5	4/16/2009			<5.0	---	---	---
TB36-0.0	4/16/2009	37.628895069	-120.997845997	14	---	---	---
TB36-0.5	4/16/2009			<5.0	---	---	---
TB36-1.5	4/16/2009			<5.0	---	---	---
TB37-0.0	4/16/2009	37.628874918	-120.997923260	50	2.7	---	---
TB37-0.5	4/16/2009			37	---	---	---
TB37-1.5	4/16/2009			<5.0	---	---	8.1

Notes: NBK1-0.0
- Sample depth in feet below ground surface
- Boring identification

mg/kg = Milligrams per kilogram
mg/l = Milligrams per liter
< = Less than the laboratory test method reporting limits
NA = Not available
--- = Not analyzed
WET = Waste Extraction Test using citric acid as extractant following EPA Method 7420
DI-WET = Waste Extraction Test using de-ionized water as extractant following EPA Method 7420
STLC = Soluble Threshold Limit Concentration
TCLP = Toxicity Characteristic Leaching Procedure
Concentrations in **bold** type are greater than or equal to the lead STLC of 5.0 mg/l

APPENDIX A

April 17, 2009

Gemma Reblando
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.: 105035

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 15, 2009 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

CLIENT: Geocon Consultants, Inc.
Project: SR-99 Modesto ADL, S9200-06-72
Lab Order: 105035

CASE NARRATIVE

Analytical Comments for Method 6010

RPD for Duplicate (DUP) is outside criteria for samples 105035-040ADUP, 105035-070ADUP and 105035-080ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

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

Advanced Technology Laboratories

Date: 4/17/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-001A	KB1-0.0	13	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-002A	KB1-0.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-003A	KB1-1.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-004A	KB2-0.0	32	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-005A	KB2-0.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-006A	KB2-1.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-007A	KB3-0.0	44	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-008A	KB3-0.5	6.2	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-009A	KB3-1.5	5.4	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-010A	KB4-0.0	37	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-011A	KB4-0.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-012A	KB4-1.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-013A	KB5-0.0	27	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-014A	KB5-0.5	9.1	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-015A	KB5-1.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-016A	KB6-0.0	30	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-017A	KB6-0.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-018A	KB6-1.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/17/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-019A	KB7-0.0	39	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-020A	KB7-0.5	ND	mg/Kg	54735	5.0	1	4/14/2009	4/16/2009
105035-021A	KB7-1.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-022A	KB8-0.0	46	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-023A	KB8-0.5	5.3	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-024A	KB8-1.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-025A	KB9-0.0	38	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-026A	KB9-0.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-027A	KB9-1.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-028A	KB10-0.0	57	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-029A	KB10-0.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-030A	KB10-1.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-031A	KB11-0.0	34	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-032A	KB11-0.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-033A	KB11-1.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-034A	KB12-0.0	14	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-035A	KB12-0.5	6.0	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-036A	KB12-1.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/17/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-037A	KB13-0.0	34	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-038A	KB13-0.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-039A	KB13-1.5	ND	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-040A	KB14-0.0	47	mg/Kg	54736	5.0	1	4/14/2009	4/16/2009
105035-041A	KB14-0.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-042A	KB14-1.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-043A	KB15-0.0	28	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-044A	KB15-0.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-045A	KB15-1.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-046A	KB16-0.0	21	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-047A	KB16-0.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-048A	KB16-1.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-049A	KB17-0.0	45	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-050A	KB17-0.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-051A	KB17-1.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-052A	KB18-0.0	16	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-053A	KB18-0.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-054A	KB18-1.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/17/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-055A	KB19-0.0	21	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-056A	KB19-0.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-057A	KB19-1.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-058A	KB20-0.0	15	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-059A	KB20-0.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-060A	KB20-1.5	ND	mg/Kg	54737	5.0	1	4/14/2009	4/16/2009
105035-061A	LB1-0.0	17	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-062A	LB1-0.5	7.0	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-063A	LB2-0.0	25	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-064A	LB2-0.5	ND	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-065A	LB3-0.0	140	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-066A	LB3-0.5	5.0	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-067A	LB4-0.0	19	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-068A	LB4-0.5	18	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-069A	LB5-0.0	33	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-070A	LB5-0.5	6.8	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-071A	LB6-0.0	21	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-072A	LB6-0.5	ND	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/17/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-073A	LB7-0.0	65	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-074A	LB7-0.5	ND	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-075A	LB8-0.0	27	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-076A	LB8-0.5	35	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-077A	LB9-0.0	26	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-078A	LB9-0.5	25	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-079A	LB10-0.0	9.0	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-080A	LB10-0.5	7.2	mg/Kg	54738	5.0	1	4/14/2009	4/16/2009
105035-081A	LB11-0.0	83	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-082A	LB11-0.5	5.5	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-083A	LB12-0.0	52	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-084A	LB12-0.5	58	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-085A	LB13-0.0	33	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-086A	LB13-0.5	ND	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-087A	LB14-0.0	28	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-088A	LB14-0.5	ND	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-089A	LB15-0.0	80	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-090A	LB15-0.5	ND	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/17/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-091A	LB23-0.0	27	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-092A	LB23-0.5	6.1	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-093A	LB24-0.0	61	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-094A	LB24-0.5	5.5	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-095A	LB25-0.0	16	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-096A	LB25-0.5	6.4	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-097A	LB26-0.0	80	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-098A	LB26-0.5	ND	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-099A	LB27-0.0	21	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-100A	LB27-0.5	47	mg/Kg	54739	5.0	1	4/14/2009	4/16/2009
105035-101A	LB28-0.0	47	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-102A	LB28-0.5	110	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-103A	LB29-0.0	45	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-104A	LB29-0.5	ND	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-105A	LB30-0.0	45	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-106A	LB30-0.5	ND	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-107A	LB16-0.0	69	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-108A	LB16-0.5	8.9	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/17/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-109A	LB17-0.0	9.9	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-110A	LB17-0.5	5.0	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-111A	LB18-0.0	39	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-112A	LB18-0.5	ND	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-113A	LB19-0.0	9.3	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-114A	LB19-0.5	7.0	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-115A	LB20-0.0	47	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-116A	LB20-0.5	ND	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-117A	LB21-0.0	21	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-118A	LB21-0.5	ND	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-119A	LB22-0.0	64	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009
105035-120A	LB22-0.5	ND	mg/Kg	54740	5.0	1	4/14/2009	4/16/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/17/2009

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	DDL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-001A	KB1-0.0	7.4	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-017A	KB6-0.5	7.8	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-025A	KB9-0.0	7.0	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-039A	KB13-1.5	8.0	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-049A	KB17-0.0	8.3	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-055A	KB19-0.0	8.2	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-064A	LB2-0.5	7.8	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-074A	LB7-0.5	7.3	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-086A	LB13-0.5	7.6	pH Units	R108148	0.10	1	4/14/2009	4/16/2009
105035-096A	LB25-0.5	7.5	pH Units	R108149	0.10	1	4/14/2009	4/16/2009
105035-102A	LB28-0.5	7.8	pH Units	R108149	0.10	1	4/14/2009	4/16/2009
105035-112A	LB18-0.5	7.8	pH Units	R108149	0.10	1	4/14/2009	4/16/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54735A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108166**
Client ID: **PBS**	Batch ID: **54735**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696872**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.345	5.0									

Sample ID: **LCS-54735**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108166**
Client ID: **LCSS**	Batch ID: **54735**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.982	5.0	250.0	0.3453	102	80	120				

Sample ID: **105035-010A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108166**
Client ID: **KB4-0.0**	Batch ID: **54735**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	38.464	5.0						37.49	2.55	20	

Sample ID: **105035-010A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108166**
Client ID: **KB4-0.0**	Batch ID: **54735**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	226.913	5.0	250.0	37.49	75.8	33	120				

Sample ID: **MB-54735B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108166**
Client ID: **PBS**	Batch ID: **54735**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696886**

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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105035-020A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108166**
Client ID: **KB7-0.5**	Batch ID: **54735**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.744	5.0						1.692	0	20	

Sample ID: **105035-020A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108166**
Client ID: **KB7-0.5**	Batch ID: **54735**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	198.997	5.0	250.0	1.692	78.9	33	120				

Sample ID: **105035-020A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108166**
Client ID: **KB7-0.5**	Batch ID: **54735**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	170.599	5.0	250.0	1.692	67.6	33	120	199.0	15.4	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54736A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108167**
Client ID: **PBS**	Batch ID: **54736**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.121	5.0									

Sample ID: **LCS-54736**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108167**
Client ID: **LCSS**	Batch ID: **54736**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	247.118	5.0	250.0	0.1213	98.8	80	120				

Sample ID: **105035-030A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108167**
Client ID: **KB10-1.5**	Batch ID: **54736**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.665	5.0						2.016	0	20	

Sample ID: **105035-030A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108167**
Client ID: **KB10-1.5**	Batch ID: **54736**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	192.769	5.0	250.0	2.016	76.3	33	120				

Sample ID: **MB-54736B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108167**
Client ID: **PBS**	Batch ID: **54736**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696914**

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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105035-040A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108167**
Client ID: **KB14-0.0**	Batch ID: **54736**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.678	5.0						47.10	82.1	20	R

Sample ID: **105035-040A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108167**
Client ID: **KB14-0.0**	Batch ID: **54736**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696926**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	224.937	5.0	250.0	47.10	71.1	33	120				

Sample ID: **105035-040A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108167**
Client ID: **KB14-0.0**	Batch ID: **54736**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	217.517	5.0	250.0	47.10	68.2	33	120	224.9	3.35	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54737A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108168**
Client ID: **PBS**	Batch ID: **54737**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.178	5.0									

Sample ID: **LCS-54737**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108168**
Client ID: **LCSS**	Batch ID: **54737**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696929**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	251.800	5.0	250.0	0.1780	101	80	120				

Sample ID: **105035-050A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108168**
Client ID: **KB17-0.5**	Batch ID: **54737**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.242	5.0						2.886	0	20	

Sample ID: **105035-050A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108168**
Client ID: **KB17-0.5**	Batch ID: **54737**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	186.893	5.0	250.0	2.886	73.6	33	120				

Sample ID: **MB-54737B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108168**
Client ID: **PBS**	Batch ID: **54737**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696942**

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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105035-060A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108168**
Client ID: **KB20-1.5**	Batch ID: **54737**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.421	5.0						3.603	0	20	

Sample ID: **105035-060A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108168**
Client ID: **KB20-1.5**	Batch ID: **54737**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.376	5.0	250.0	3.603	76.7	33	120				

Sample ID: **105035-060A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108168**
Client ID: **KB20-1.5**	Batch ID: **54737**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	189.123	5.0	250.0	3.603	74.2	33	120	195.4	3.25	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54738A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108169**
Client ID: **PBS**	Batch ID: **54738**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696956**

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

Sample ID: **LCS-54738**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108169**
Client ID: **LCSS**	Batch ID: **54738**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	246.429	5.0	250.0	0	98.6	80	120				

Sample ID: **105035-070A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108169**
Client ID: **LB5-0.5**	Batch ID: **54738**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.043	5.0						6.808	29.8	20	R

Sample ID: **105035-070A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108169**
Client ID: **LB5-0.5**	Batch ID: **54738**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696969**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	212.449	5.0	250.0	6.808	82.3	33	120				

Sample ID: **MB-54738B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108169**
Client ID: **PBS**	Batch ID: **54738**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696970**

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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105035-080A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108169**
Client ID: **LB10-0.5**	Batch ID: **54738**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696981**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.139	5.0						7.190	33.3	20	R

Sample ID: **105035-080A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108169**
Client ID: **LB10-0.5**	Batch ID: **54738**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696982**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	205.375	5.0	250.0	7.190	79.3	33	120				

Sample ID: **105035-080A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108169**
Client ID: **LB10-0.5**	Batch ID: **54738**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696983**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.132	5.0	250.0	7.190	78.8	33	120	205.4	0.607	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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54739A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108170**
Client ID: **PBS**	Batch ID: **54739**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.119	5.0									

Sample ID: **LCS-54739**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108170**
Client ID: **LCSS**	Batch ID: **54739**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	262.310	5.0	250.0	0.1192	105	80	120				

Sample ID: **105035-090A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108170**
Client ID: **LB15-0.5**	Batch ID: **54739**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696997**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.346	5.0						4.894	0	20	

Sample ID: **105035-090A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108170**
Client ID: **LB15-0.5**	Batch ID: **54739**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	201.446	5.0	250.0	4.894	78.6	33	120				

Sample ID: **MB-54739B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108170**
Client ID: **PBS**	Batch ID: **54739**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1696999**

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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105035-100A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108170**
Client ID: **LB27-0.5**	Batch ID: **54739**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.967	5.0						46.67	5.97	20	

Sample ID: **105035-100A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108170**
Client ID: **LB27-0.5**	Batch ID: **54739**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.469	5.0	250.0	46.67	79.5	33	120				

Sample ID: **105035-100A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108170**
Client ID: **LB27-0.5**	Batch ID: **54739**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	233.193	5.0	250.0	46.67	74.6	33	120	245.5	5.13	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54740A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108171**
Client ID: **PBS**	Batch ID: **54740**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.127	5.0									

Sample ID: **LCS-54740**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108171**
Client ID: **LCSS**	Batch ID: **54740**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250.660	5.0	250.0	0.1265	100	80	120				

Sample ID: **105035-110A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108171**
Client ID: **LB17-0.5**	Batch ID: **54740**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.906	5.0						5.028	16.1	20	

Sample ID: **105035-110A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108171**
Client ID: **LB17-0.5**	Batch ID: **54740**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	182.186	5.0	250.0	5.028	70.9	33	120				

Sample ID: **MB-54740B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108171**
Client ID: **PBS**	Batch ID: **54740**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.144	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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105035-120A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108171**
Client ID: **LB22-0.5**	Batch ID: **54740**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.172	5.0						2.908	0	20	

Sample ID: **105035-120A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108171**
Client ID: **LB22-0.5**	Batch ID: **54740**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.209	5.0	250.0	2.908	77.3	33	120				

Sample ID: **105035-120A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/15/2009**	RunNo: **108171**
Client ID: **LB22-0.5**	Batch ID: **54740**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/16/2009**	SeqNo: **1697040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	188.417	5.0	250.0	2.908	74.2	33	120	196.2	4.05	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **104910-005ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **108148**
Client ID: **ZZZZZZ** Batch ID: **R108148** TestNo: **EPA 9045C** Analysis Date: **4/16/2009** SeqNo: **1696511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	3.810	0.10						3.820	0.262	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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **105035-096ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **108149**
Client ID: **LB25-0.5** Batch ID: **R108149** TestNo: **EPA 9045C** Analysis Date: **4/16/2009** SeqNo: **1696529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.470	0.10						7.480	0.134	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: Date: 4/15/09

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: GSO

Sample Condition Upon Receipt: 17.3
1. CHILLED Y ☐ N ☐ 4. SEALED Y ☐ N ☑
2. HEADSPACE (VOA) Y ☐ N ☐ NA 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☑

Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/14/09 Time: 1545
Received by: (Signature and Printed Name) GSO Date: 4/14/09 Time: 1545

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Maiga Date: 4/15/09 Time: 9:30

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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
RTNE ☐
CT ☑
SWRCB Logcode
OTHER

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-001	KB1-0.0	4/14/09	915										X	X	X					C	1	Z	
	2	KB1-0.5		916																				
	3	KB1-1.5		917																				
	4	KB2-0.0		920																				
	5	KB2-0.5		921																				
	6	KB2-1.5		922																				
	7	KB3-0.0		925																				
	8	KB3-0.5		926																				
	9	KB3-1.5		927																				
	10	KB4-0.0		930																				

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C
$Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/14/09	1545	GSO	4/14/09	1545
	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
			Mary	4/15/09	9:30
	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	Container(s) TAT	#	Type	REMARKS
	1050735-11	KB4-0.5	4/14/09	931										X		X					C	1	2 P	
	12	KB4-1.5		932																				
	13	KB5-0.0		935																				
	14	KB5-0.5		936																				
	15	KB5-1.5		937																				
	16	KB6-0.0		940																				
	17	KB6-0.5		941											X									
	18	KB6-1.5		942																				
	19	KB7-0.0		945																				
	20	KB7-0.5		946																				

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

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

CHAIN OF CUSTODY RECORD

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 CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/14/09 Time: 1545
Received by: (Signature and Printed Name) GSO Date: 4/14/09 Time: 1545
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/15/09 Time: 930
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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PRESERVATION

QA/QC
RTNE ☐
CT ☑
SWRCB ☐ Logcode_____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-21	KB7-1.5	4/14/09	947										X		X					C	1	2,jar	
	22	KB8-0.0		950																				
	23	KB8-0.5		951																				
	24	KB8-1.5		952																				
	25	KB9-0.0		955											X									
	26	KB9-0.5		956																				
	27	KB9-1.5		957																				
	28	KB10-0.0		1000																				
	29	KB10-0.5		1001																				
	30	KB10-1.5		1002										K		K								

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

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

CHAIN OF CUSTODY RECORD

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 CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/14/09 Time: 1545
Received by: (Signature and Printed Name) GSO Date: 4/14/09 Time: 1545
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/15/09 Time: 930
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
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PRESERVATION

QA/QC
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-31	KB11-0.0	4/14/09	1010										X		X					C	1	2.p	
	32	KB11-0.5		1011																				
	33	KB11-1.5		1012																				
	34	KB12-0.0		1015																				
	35	KB12-0.5		1016																				
	36	KB12-1.5		1017																				
	37	KB13-0.0		1020																				
	38	KB13-0.5		1021																				
	39	KB13-1.5		1022											X									
	40	KB14-0.0		1030																				

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

CHAIN OF CUSTODY RECORD

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: _____

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2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/14/09	1545	GSO	4/14/09	1545
	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
			Mark	4/15/09	930
	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
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ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-41	KB14-0.5	4/14/09	1031										X		X					C	1	2.0	
	42	KB14-1.5		1032																				
	43	KB15-0.0		1040																				
	44	KB15-0.5		1041																				
	45	KB15-~~2.0~~ 1.5 mo		1042																				
	46	KB16-0.0		1045																				
	47	KB16-0.5		1046																				
	48	KB16-1.5		1047																				
	49	KB17-0.0		1100											X									
	50	KB17-0.5		1101																				

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CHAIN OF CUSTODY RECORD

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FOR LABORATORY USE ONLY

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

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Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/14/09	1545	GSO	4/14/09	1545
			Mary	4/15/09	930

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
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SPECIFY APPROPRIATE MATRIX

PRESERVATION

Q A / Q C
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	Container(s): TAT	#	Type	REMARKS
	105035-51	KB17-1.5	4/14/09	1102									X			X					C	1	2 P	
	52	KB18-0.0		1105																				
	53	KB18-0.5		1106																				
	54	KB18-1.5		1107																				
	55	KB19-0.0		1110										X										
	56	KB19-0.5		1111																				
	57	KB19-1.5		1112																				
	58	KB20-0.0		1115																				
	59	KB20-0.5		1116																				
	60	KB20-1.5		1117																				

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Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

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FOR LABORATORY USE ONLY

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Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
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Attention: GEMMA REBLANDO
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Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/14/09 Time: 1545
Received by: (Signature and Printed Name) GSO Date: 4/14/09 Time: 1545

Relinquished by: (Signature and Printed Name) Date: Time:
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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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

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SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-61	LB1-0.0	4/14/09	1200										X		X					C	1	2 glass	
	62	LB1-0.5		1202																				
	63	LB2-0.0		1210																				
	64	LB2-0.5		1212											X									
	65	LB3-0.0		1215																				
	66	LB3-0.5		1217																				
	67	LB4-0.0		1220																				
	68	LB4-0.5		1222																				
	69	LB5-0.0		1225																				
	70	LB5-0.5		1227																				

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

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

CHAIN OF CUSTODY RECORD

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

Client: GEOCON CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/14/09 Time: 1545
Received by: (Signature and Printed Name) GSO Date: 4/14/09 Time: 1545

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/15/09 Time: 930

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode_____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-71	LB6-0.0	4/14/09	1230										X		X					C	1	2.5	
	72	LB6-0.5		1232																				
	73	LB7-0.0		1235																				
	74	LB7-0.5		1237											X									
	75	LB8-0.0		1239																				
	76	LB8-0.5		1239																				
	77	LB9-0.0		1240																				
	78	LB9-0.5		1241																				
	79	LB10-0.0		1242																				
	80	LB10-0.5	↓	1243										↓		↓					↓	↓	↓	

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

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/14/09	1545	GSO	4/14/09	1545
			Mark Ohr	4/15/09	930

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-81	LB11-0.0	4/14/09	1244									X			X					C	1	2.9	
	82	LB11-0.5		1245																				
	83	LB12-0.0		1250																				
	84	LB12-0.5		1252																				
	85	LB13-0.0		1254																				
	86	LB13-0.5		1256											X									
	87	LB14-0.0		1258																				
	88	LB14-0.5		1300																				
	89	LB15-0.0		1302																				
	90	LB15-0.5		1304																				

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/14/09 Time: 1545
Received by: (Signature and Printed Name) GSO Date: 4/14/09 Time: 1545

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/15/09 Time: 930

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-91	LB23-0.0	4/14/09	1325										Y		X					C	1	2 jar	
	92	LB23-0.5		1327																				
	93	LB24-0.0		1329																				
	94	LB24-0.5		1331																				
	95	LB25-0.0		1335																				
	96	LB25-0.5		1337										X										
	97	LB26-0.0		1342																				
	98	LB26-0.5		1344																				
	99	LB27-0.0		1346																				
	100	LB27-0.5		1348																				

- 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

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

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Signal Hill, CA 90755
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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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/14/09	1545	650	4/14/09	1545
				4/15/09	930

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
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	105/35-101	LB28-0.0	4/14/09	1350										X		X					C	1	2 P	
	102	LB28-0.5		1352											X									
	103	LB29-0.0		1400																				
	104	LB29-0.5		1402																				
	105	LB30-0.0		1404																				
	106	LB30-0.5		1406																				
	107	LB16-0.0		1408																				
	109	LB16-0.5		1410																				
	109	LB17-0.0		1412																				
	110	LB17-0.5		1414																				

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FOR LABORATORY USE ONLY

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

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: _____

Sample Condition Upon Receipt:
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2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/14/09 Time: 1545
Received by: (Signature and Printed Name) 650 Date: 4/14/09 Time: 1545
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/15/09 Time: 930
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
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Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105035-111	LB18-0.0	4/14/09	1416										X		X					C	1	ZIP	
	112	LB18-0.5		1418											X									
	113	LB19-0.0		1420																				
	114	LB19-0.5		1422																				
	115	LB20-0.0		1424																				
	116	LB20-0.5		1426																				
	117	LB21-0.0		1428																				
	118	LB21-0.5		1430																				
	119	LB22-0.0		1432																				
	120	LB22-0.5		1434																				

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

April 20, 2009

Gemma Reblando
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.: 105058

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 16, 2009 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

CLIENT: Geocon Consultants, Inc.
Project: SR-99 Modesto ADL, S9200-06-72
Lab Order: 105058

CASE NARRATIVE

Analytical Comments for Method 6010

RPD for Duplicate (DUP) is outside criteria for samples 105058-010ADUP, 105058-040ADUP, 105058-080ADUP and 105058-090ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

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

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-001A	IB1-0.0	41	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-002A	IB1-0.5	82	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-003A	IB2-0.0	270	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-004A	IB2-0.5	24	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-005A	IB3-0.0	310	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-006A	IB3-0.5	45	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-007A	IB4-0.0	160	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-008A	IB4-0.5	25	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-009A	IB5-0.0	60	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-010A	IB5-0.5	56	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-011A	IB6-0.0	110	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-012A	IB6-0.5	ND	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-013A	IB7-0.0	78	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-014A	IB7-0.5	26	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-015A	IB8-0.0	110	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-016A	IB8-0.5	24	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-017A	IB9-0.0	130	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-018A	IB9-0.5	13	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-019A	IB10-0.0	310	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-020A	IB10-0.5	ND	mg/Kg	54782	5.0	1	4/15/2009	4/17/2009
105058-021A	IB11-0.0	140	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-022A	IB11-0.5	ND	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-023A	IB12-0.0	160	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-024A	IB12-0.5	ND	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-025A	IB13-0.0	88	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-026A	IB13-0.5	12	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-027A	IB14-0.0	250	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-028A	IB14-0.5	ND	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-029A	IB15-0.0	92	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-030A	IB15-0.5	ND	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-031A	IB16-0.0	84	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-032A	IB16-0.5	53	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-033A	IB17-0.0	110	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-034A	IB17-0.5	22	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-035A	IB18-0.0	92	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-036A	IB18-0.5	52	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-037A	IB19-0.0	100	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-038A	IB19-0.5	ND	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-039A	IB20-0.0	48	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-040A	IB20-0.5	7.4	mg/Kg	54783	5.0	1	4/15/2009	4/17/2009
105058-041A	IB21-0.0	35	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-042A	IB21-0.5	ND	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-043A	IB22-0.0	94	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-044A	IB22-0.5	ND	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-045A	IB23-0.0	92	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-046A	IB23-0.5	ND	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-047A	IB24-0.0	130	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-048A	IB24-0.5	23	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-049A	IB25-0.0	160	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-050A	IB25-0.5	ND	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-051A	IB26-0.0	180	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-052A	IB26-0.5	ND	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-053A	IB27-0.0	190	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-054A	IB27-0.5	5.4	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-055A	IB28-0.0	110	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-056A	IB28-0.5	ND	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-057A	IB29-0.0	53	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-058A	IB29-0.5	ND	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-059A	IB30-0.0	93	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-060A	IB30-0.5	ND	mg/Kg	54784	5.0	1	4/15/2009	4/17/2009
105058-061A	IB31-0.0	140	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-062A	IB31-0.5	ND	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-063A	IB32-0.0	82	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-064A	IB32-0.5	ND	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-065A	IB33-0.0	90	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-066A	IB33-0.5	ND	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-067A	IB34-0.0	88	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-068A	IB34-0.5	ND	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-069A	IB35-0.0	170	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-070A	IB35-0.5	5.2	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-071A	IB36-0.0	170	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-072A	IB36-0.5	7.1	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-073A	IB37-0.0	89	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-074A	IB37-0.5	8.2	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-075A	IB38-0.0	75	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-076A	IB38-0.5	15	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-077A	IB39-0.0	19	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-078A	IB39-0.5	71	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-079A	IB40-0.0	49	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-080A	IB40-0.5	45	mg/Kg	54785	5.0	1	4/15/2009	4/17/2009
105058-081A	IB41-0.0	88	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-082A	IB41-0.5	ND	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-083A	IB42-0.0	140	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-084A	IB42-0.5	19	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-085A	IB43-0.0	110	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-086A	IB43-0.5	ND	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-087A	IB44-0.0	67	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-088A	IB44-0.5	18	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-089A	IB45-0.0	100	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-090A	IB45-0.5	6.9	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-091A	NBK1-0.0	42	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-092A	NBK1-0.5	ND	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-093A	NBK1-1.5	ND	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-094A	NBK2-0.0	11	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-095A	NBK2-0.5	ND	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-096A	NBK2-1.5	ND	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-097A	NBK3-0.0	20	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-098A	NBK3-0.5	ND	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-099A	NBK3-1.5	ND	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-100A	NBK4-0.0	14	mg/Kg	54786	5.0	1	4/15/2009	4/17/2009
105058-101A	NBK4-0.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-102A	NBK4-1.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-103A	NBK5-0.0	77	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-104A	NBK5-0.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-105A	NBK5-1.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-106A	NBK6-0.0	24	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-107A	NBK6-0.5	11	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-108A	NBK6-1.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-109A	NBK7-0.0	110	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-110A	NBK7-0.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-111A	NBK7-1.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-112A	NBK8-0.0	69	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-113A	NBK8-0.5	16	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-114A	NBK8-1.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-115A	NBK9-0.0	39	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-116A	NBK9-0.5	5.0	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-117A	NBK9-1.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-118A	NBK10-0.0	160	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-119A	NBK10-0.5	93	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-120A	NBK10-1.5	ND	mg/Kg	54787	5.0	1	4/15/2009	4/17/2009
105058-121A	NBK11-0.0	97	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-122A	NBK11-0.5	210	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-123A	NBK11-1.5	38	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-124A	NBK12-0.0	150	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-125A	NBK12-0.5	38	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-126A	NBK12-1.5	ND	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-127A	NBK13-0.0	540	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-128A	NBK13-0.5	50	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-129A	NBK13-1.5	ND	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-130A	NBK14-0.0	68	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-131A	NBK14-0.5	70	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-132A	NBK14-1.5	ND	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-133A	NBK15-0.0	110	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-134A	NBK15-0.5	6.4	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-135A	NBK15-1.5	ND	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-136A	NBK16-0.0	190	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-137A	NBK16-0.5	60	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009
105058-138A	NBK16-1.5	ND	mg/Kg	54788	5.0	1	4/15/2009	4/17/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/20/2009

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	DDL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-007A	IB4-0.0	7.4	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-015A	IB8-0.0	6.9	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-022A	IB11-0.5	8.2	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-035A	IB18-0.0	7.4	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-042A	IB21-0.5	7.4	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-058A	IB29-0.5	9.1	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-069A	IB35-0.0	8.1	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-077A	IB39-0.0	8.3	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-086A	IB43-0.5	7.4	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-094A	NBK2-0.0	8.7	pH Units	R108206	0.10	1	4/15/2009	4/17/2009
105058-103A	NBK5-0.0	8.2	pH Units	R108207	0.10	1	4/15/2009	4/17/2009
105058-117A	NBK9-1.5	8.4	pH Units	R108207	0.10	1	4/15/2009	4/17/2009
105058-127A	NBK13-0.0	7.1	pH Units	R108207	0.10	1	4/15/2009	4/17/2009
105058-132A	NBK14-1.5	7.5	pH Units	R108207	0.10	1	4/15/2009	4/17/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54782A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108220**
Client ID: **PBS**	Batch ID: **54782**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.120	5.0									

Sample ID: **LCS-54782**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108220**
Client ID: **LCSS**	Batch ID: **54782**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	246.595	5.0	250.0	0.1204	98.6	80	120				

Sample ID: **105058-010A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108220**
Client ID: **IB5-0.5**	Batch ID: **54782**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	68.834	5.0						55.72	21.1	20	R

Sample ID: **105058-010A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108220**
Client ID: **IB5-0.5**	Batch ID: **54782**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	354.187	5.0	250.0	55.72	119	33	120				

Sample ID: **MB-54782B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108220**
Client ID: **PBS**	Batch ID: **54782**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697741**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105058-020A**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108220**
Client ID: **IB10-0.5**	Batch ID: **54782**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.063	5.0						4.290	16.5	20	

Sample ID: **105058-020A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108220**
Client ID: **IB10-0.5**	Batch ID: **54782**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.847	5.0	250.0	4.290	86.6	33	120				

Sample ID: **105058-020A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108220**
Client ID: **IB10-0.5**	Batch ID: **54782**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	215.403	5.0	250.0	4.290	84.4	33	120	220.8	2.50	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **LCS-54783**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108222**
Client ID: **LCSS**	Batch ID: **54783**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697771**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.380	5.0	250.0	0	101	80	120				

Sample ID: **105058-030A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108222**
Client ID: **IB15-0.5**	Batch ID: **54783**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.024	5.0						1.060	0	20	

Sample ID: **105058-030A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108222**
Client ID: **IB15-0.5**	Batch ID: **54783**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	217.455	5.0	250.0	1.060	86.6	33	120				

Sample ID: **MB-54783B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108222**
Client ID: **PBS**	Batch ID: **54783**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697784**

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

Sample ID: **105058-040A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108222**
Client ID: **IB20-0.5**	Batch ID: **54783**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697795**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.286	5.0						7.398	32.7	20	R

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105058-040A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108222**
Client ID: **IB20-0.5**	Batch ID: **54783**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.206	5.0	250.0	7.398	83.5	33	120				

Sample ID: **105058-040A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108222**
Client ID: **IB20-0.5**	Batch ID: **54783**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	229.902	5.0	250.0	7.398	89.0	33	120	216.2	6.14	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54784A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108227**
Client ID: **PBS**	Batch ID: **54784**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697855**

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

Sample ID: **LCS-54784**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108227**
Client ID: **LCSS**	Batch ID: **54784**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	261.699	5.0	250.0	0	105	80	120				

Sample ID: **105058-050A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108227**
Client ID: **IB25-0.5**	Batch ID: **54784**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.521	5.0						2.973	0	20	

Sample ID: **105058-050A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108227**
Client ID: **IB25-0.5**	Batch ID: **54784**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.985	5.0	250.0	2.973	83.2	33	120				

Sample ID: **MB-54784B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108227**
Client ID: **PBS**	Batch ID: **54784**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.134	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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105058-060A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108227**
Client ID: **IB30-0.5**	Batch ID: **54784**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.167	5.0						1.135	0	20	

Sample ID: **105058-060A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108227**
Client ID: **IB30-0.5**	Batch ID: **54784**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.630	5.0	250.0	1.135	83.8	33	120				

Sample ID: **105058-060A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108227**
Client ID: **IB30-0.5**	Batch ID: **54784**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	214.064	5.0	250.0	1.135	85.2	33	120	210.6	1.62	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54785A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108228**
Client ID: **PBS**	Batch ID: **54785**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.200	5.0									

Sample ID: **LCS-54785**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108228**
Client ID: **LCSS**	Batch ID: **54785**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	259.629	5.0	250.0	0.2004	104	80	120				

Sample ID: **105058-070A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108228**
Client ID: **IB35-0.5**	Batch ID: **54785**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.126	5.0						5.179	1.04	20	

Sample ID: **105058-070A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108228**
Client ID: **IB35-0.5**	Batch ID: **54785**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	217.039	5.0	250.0	5.179	84.7	33	120				

Sample ID: **MB-54785B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108228**
Client ID: **PBS**	Batch ID: **54785**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697897**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105058-080A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108228**
Client ID: **IB40-0.5**	Batch ID: **54785**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.391	5.0						45.02	114	20	R

Sample ID: **105058-080A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108228**
Client ID: **IB40-0.5**	Batch ID: **54785**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	148.189	5.0	250.0	45.02	41.3	33	120				

Sample ID: **105058-080A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108228**
Client ID: **IB40-0.5**	Batch ID: **54785**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	171.725	5.0	250.0	45.02	50.7	33	120	148.2	14.7	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54786A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108229**
Client ID: **PBS**	Batch ID: **54786**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697911**

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

Sample ID: **LCS-54786**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108229**
Client ID: **LCSS**	Batch ID: **54786**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	237.980	5.0	250.0	0	95.2	80	120				

Sample ID: **105058-090A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108229**
Client ID: **IB45-0.5**	Batch ID: **54786**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.607	5.0						6.883	33.0	20	R

Sample ID: **105058-090A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108229**
Client ID: **IB45-0.5**	Batch ID: **54786**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	203.205	5.0	250.0	6.883	78.5	33	120				

Sample ID: **MB-54786B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108229**
Client ID: **PBS**	Batch ID: **54786**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697925**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105058-100A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108229**
Client ID: **NBK4-0.0**	Batch ID: **54786**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697936**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.033	5.0						13.52	17.0	20	

Sample ID: **105058-100A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108229**
Client ID: **NBK4-0.0**	Batch ID: **54786**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	223.422	5.0	250.0	13.52	84.0	33	120				

Sample ID: **105058-100A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108229**
Client ID: **NBK4-0.0**	Batch ID: **54786**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1697938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	231.597	5.0	250.0	13.52	87.2	33	120	223.4	3.59	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54787A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108240**
Client ID: **PBS**	Batch ID: **54787**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698087**

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

Sample ID: **LCS-54787**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108240**
Client ID: **LCSS**	Batch ID: **54787**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698088**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	254.392	5.0	250.0	0	102	80	120				

Sample ID: **105058-110ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108240**
Client ID: **NBK7-0.5**	Batch ID: **54787**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.457	5.0						4.475	0	20	

Sample ID: **105058-110AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108240**
Client ID: **NBK7-0.5**	Batch ID: **54787**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698100**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.652	5.0	250.0	4.475	76.9	33	120				

Sample ID: **MB-54787B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108240**
Client ID: **PBS**	Batch ID: **54787**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698101**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105058-120ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108240**
Client ID: **NBK10-1.5**	Batch ID: **54787**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698112**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.236	5.0						2.758	0	20	

Sample ID: **105058-120AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108240**
Client ID: **NBK10-1.5**	Batch ID: **54787**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.407	5.0	250.0	2.758	85.5	33	120				

Sample ID: **105058-120AMSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108240**
Client ID: **NBK10-1.5**	Batch ID: **54787**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	223.770	5.0	250.0	2.758	88.4	33	120	216.4	3.35	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54788A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108241**
Client ID: **PBS**	Batch ID: **54788**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698115**

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

Sample ID: **LCS-54788**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108241**
Client ID: **LCSS**	Batch ID: **54788**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.497	5.0	250.0	0	98.2	80	120				

Sample ID: **105058-130ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108241**
Client ID: **NBK14-0.0**	Batch ID: **54788**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	78.604	5.0						67.56	15.1	20	

Sample ID: **105058-130AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108241**
Client ID: **NBK14-0.0**	Batch ID: **54788**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	299.000	5.0	250.0	67.56	92.6	33	120				

Sample ID: **MB-54788B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108241**
Client ID: **PBS**	Batch ID: **54788**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698129**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105058-138ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108241**
Client ID: **NBK16-1.5**	Batch ID: **54788**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.506	5.0						2.386	0	20	

Sample ID: **105058-138AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108241**
Client ID: **NBK16-1.5**	Batch ID: **54788**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	206.191	5.0	250.0	2.386	81.5	33	120				

Sample ID: **105058-138AMSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/16/2009**	RunNo: **108241**
Client ID: **NBK16-1.5**	Batch ID: **54788**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/17/2009**	SeqNo: **1698140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.701	5.0	250.0	2.386	77.3	33	120	206.2	5.22	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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **105058-007ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **108206**
Client ID: **IB4-0.0** Batch ID: **R108206** TestNo: **EPA 9045C** Analysis Date: **4/17/2009** SeqNo: **1697637**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.380	0.10						7.370	0.136	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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **105058-103ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **108207**
Client ID: **NBK5-0.0** Batch ID: **R108207** TestNo: **EPA 9045C** Analysis Date: **4/17/2009** SeqNo: **1697654**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.280	0.10						8.240	0.484	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: Date: 4/16/09

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: GSO

Sample Condition Upon Receipt: 17.0
1. CHILLED Y ☐ N ☐ | 4. SEALED Y ☐ N ☑
2. HEADSPACE (VOA) Y ☐ N/A N ☐ | 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ | 6. PRESERVED Y ☐ N ☑

Client: GEOCON CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/15/09	1530	GSO	4/15/09	1530
	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
			Mark	4/16/09	800
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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
RTNE ☐
CT ☑
SWRCB Logcode ☐
OTHER

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105058-001	IB1-0.0	4/15/09	904									X			X					C	1	2	
	2	IB1-0.5		906																				
	3	IB2-0.0		910																				
	4	IB2-0.5		912																				
	5	IB3-0.0		914																				
	6	IB3-0.5		916																				
	7	IB4-0.0		918											X									
	8	IB4-0.5		920																				
	9	IB5-0.0		921																				
	10	IB5-0.5	↓	922									↓			↓					↓	↓		

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/15/09 Time: 1530
Received by: (Signature and Printed Name) GSO Date: 4/15/09 Time: 1530

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Maiga Date: 4/16/09 Time: 800

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105054-11	IB6-0.0	4/15/09	923										X		X						C	1	2	
	12	IB6-0.5		924																					
	13	IB7-0.0		925																					
	14	IB7-0.5		926																					
	15	IB8-0.0		927											X										
	16	IB8-0.5		928																					
	17	IB9-0.0		929																					
	18	IB9-0.5		930																					
	19	IB10-0.0		931																					
	20	IB10-0.5	↓	932										↓		↓						↓	↓	↓	

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800 Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742 Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/15/09 Time: 1530
Received by: (Signature and Printed Name) 650 Date: 4/15/09 Time: 1530
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/16/09 Time: 800
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1050556-21	IB11-0.0	4/15/09	933									X			X					C	1	2 P	
	22	IB11-0.5		934										X										
	23	IB12-0.0		935																				
	24	IB12-0.5		936																				
	25	IB13-0.0		939																				
	26	IB13-0.5		940																				
	27	IB14-0.0		941																				
	28	IB14-0.5		942																				
	29	IB15-0.0		946																				
	30	IB15-0.5	↓	947												↓					↓	↓		

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/15/09 Time: 1530
Received by: (Signature and Printed Name) GSO Date: 4/15/09 Time: 1530

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Mary Date: 4/16/09 Time: 800

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1050546-31	IB16-0.0	4/15/09	952										X		X					C	1	2	
	32	IB16-0.5		953																				
	33	IB17-0.0		1000																				
	34	IB17-0.5		1001																				
	35	IB18-0.0		1003											X									
	36	IB18-0.5		1004																				
	37	IB19-0.0		1006																				
	38	IB19-0.5		1007																				
	39	IB20-0.0		1009																				
	40	IB20-0.5	↓	1010										↓		↓					↓	↓	↓	

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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. #: _____
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Attention: GEMMA REBLANDO
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Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
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Relinquished by: (Signature and Printed Name) Date: Time:
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I hereby authorize ATL to perform the work indicated below:
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Send Report To:
Attn:
Co: SAME AS ABOVE
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QA/QC
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

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	105058-41	IB21-0.0	4/15/09	1014									X			X					C	1	T,V		
	42	IB21-0.5		1015										X											
	43	IB22-0.0		1017																					
	44	IB22-0.5		1018																					
	45	IB23-0.0		1021																					
	46	IB23-0.5		1022																					
	47	IB24-0.0		1029																					
	48	IB24-0.5		1030																					
	49	IB25-0.0		1034																					
	50	IB25-0.5		1035																					

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Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

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Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
MIKE O'BRIEN	4/15/09	1530		4/15/09	1530
			650		
			Mark Chan	4/16/09	800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

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	105058-51	IB26-0.0	4/15/09	1038									X			X					C	1	2 Jar		
	52	IB26-0.5		1039																					
	53	IB27-0.0		1042																					
	54	IB27-0.5		1043																					
	55	IB28-0.0		1046																					
	56	IB28-0.5		1047																					
	57	IB29-0.0		1050																					
	58	IB29-0.5		1051											X										
	59	IB30-0.0		1055																					
	60	IB30-0.5	↓	1056									↓			↓					↓	↓			

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

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Attention: GEMMA REBLANDO	City: Rancho Cordova	State: CA Zip Code: 95742	Fax: 916.852.9132

Project Name:	Project #:	Sampler: (Printed Name)	(Signature)
SR-99 Modesto ADL	S9200-06-72	MIKE O'BRIEN	

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN	Date: 4/15/09	Time: 1530	Received by: (Signature and Printed Name) GSO	Date: 4/15/09	Time: 1530
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) Marg	Date: 4/16/09	Time: 800
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
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QA/QC
RTNE ☐
CT ☑
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	105058-61	IB31-0.0	4/15/09	1100									X			X					C	1	2	
	62	IB31-0.5		1101																				
	63	IB32-0.0		1106																				
	64	IB32-0.5		1107																				
	65	IB33-0.0		1111																				
	66	IB33-0.5		1112																				
	67	IB34-0.0		1115																				
	68	IB34-0.5		1116																				
	69	IB35-0.0		1120											X									
	70	IB35-0.5	↓	1121									↓			↓					↓	↓		

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CHAIN OF CUSTODY RECORD

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Received by: (Signature and Printed Name) GSO Date: 4/15/09 Time: 1530

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	1050556-71	IB36-0.0	4/15/09	1125									X			X					C	1	2		
	72	IB36-0.5		1126																					
	73	IB37-0.0		1132																					
	74	IB37-0.5		1133																					
	75	IB38-0.0		1137																					
	76	IB38-0.5		1138																					
	77	IB39-0.0		1141										X											
	78	IB39-0.5		1142																					
	79	IB40-0.0		1146																					
	80	IB40-0.5		1147																					

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Received by: (Signature and Printed Name) [signature] Date: 4/15/09 Time: 1530
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	105058-81	IB41-0.0	4/15/09	1150									X			X					C	1	2 Jar	
	82	IB41-0.5		1151																				
	83	IB42-0.0		1153																				
	84	IB42-0.5		1154																				
	85	IB43-0.0		1156																				
	86	IB43-0.5		1157										X										
	87	IB44-0.0		1200																				
	88	IB44-0.5		1201																				
	89	IB45-0.0		1203																				
	90	IB45-0.5		1204																				

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				4/16/09	800

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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
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105056-91	NBK1-0.0	4/15/09	1330										X		X					C	1	2 oz	
	92	NBK1-0.5		1331																				
	93	NBK1-1.5		1332																				
	94	NBK2-0.0		1335											X									
	95	NBK2-0.5		1336																				
	96	NBK2-1.5		1337																				
	97	NBK3-0.0		1340																				
	98	NBK3-0.5		1341																				
	99	NBK3-1.5		1342																				
	100	NBK4-0.0		1345																				

- 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_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

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

Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/15/09 Time: 1530
Received by: (Signature and Printed Name) Date: 4/15/09 Time: 1530

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/16/09 Time: 800

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105058-101	NBK4-0.5	4/15/09	1346										X		X					C	1	Z	
	102	NBK4-1.5		1347																				
	103	NBK5-0.0		1350											X									
	104	NBK5-0.5		1351																				
	105	NBK5-1.5		1352																				
	106	NBK6-0.0		1355																				
	107	NBK6-0.5		1356																				
	108	NBK6-1.5		1357																				
	109	NBK7-0.0		1400																				
	110	NBK7-0.5		1401																				

- 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_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (362) 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 CONSULTANTS, INC	Address: 3160 Gold Valley Drive, Suite 800		Tel: 916.852.9118
Attention: GEMMA REBLANDO	City: Rancho Cordova	State: CA Zip Code: 95742	Fax: 916.852.9132

Project Name:	Project #:	Sampler: (Printed Name)	(Signature)
SR-99 Modesto ADL	S9200-08-72	MIKE O'BRIEN	

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/15/09	1530		4/15/09	1530
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
				4/16/09	800
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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):
- Samples: $2.00 / sample fee (after 45 days)
- Records: $1 /ATL workorder fee (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode: _____ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8045 (PCB)	8260B (Volatiles)	8270C (BNA)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1060554 111	NBK7-1.5	4/15/09	1402								X			X					C	1	bag	
	112	NBK8-0.0		1405																			
	113	NBK8-0.5		1406																			
	114	NBK8-1.5		1407																			
	115	NBK9-0.0		1410																			
	116	NBK9-0.5		1411																			
	117	NBK9-1.5		1412										X									
	118	NBK10-0.0		1415																			
	119	NBK10-0.5		1416																			
	120	NBK10-1.5	↓	1417								↓			↓					↓		↓	

* 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_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name:	Project #:	Sampler: (Printed Name)	(Signature)
SR-99 Modesto ADL	S9200-06-72	MIKE O'BRIEN	

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/15/09	1530		4/15/09	1530
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
			Mark	4/16/09	800
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:
MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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

Q A / Q C
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1050556-111	NBK7-1.5	4/15/09	1402																				
	112	NBK8-0.0		1405																				
	113	NBK8-0.5		1406																				
	114	NBK8-1.5		1407																				
	115	NBK9-0.0		1410																				
	116	NBK9-0.5		1411																				
	117	NBK9-1.5		1412																				
	118	NBK10-0.0		1415																				
	119	NBK10-0.5		1416																				
	120	NBK10-1.5		1417																				

- 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_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

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 CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/15/09 Time: 1530
Received by: (Signature and Printed Name) GSO Date: 4/15/09 Time: 1530

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Mark Date: 4/16/09 Time: 8:0

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105055-121	NBK11-0.0	4/15/09	1420									X			X					C	1	2 jar	
	122	NBK11-0.5		1421																				
	123	NBK11-1.5		1422																				
	124	NBK12-0.0		1425																				
	125	NBK12-0.5		1426																				
	126	NBK12-1.5		1427																				
	127	NBK13-0.0		1430										X										
	128	NBK13-0.5		1431																				
	129	NBK13-1.5		1432																				
	130	NBK14-0.0		1435																				

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

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

CHAIN OF CUSTODY RECORD

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/15/09 Time: 1530
Received by: (Signature and Printed Name) Date: 4/15/09 Time: 1530

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/16/09 Time: 806

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105056-131	NBK14-0.5	4/15/09	1436										X		X					C	1	2 VOA	
	132	NBK14-1.5		1437											X									
	133	NBK15-0.0		1440																				
	134	NBK15-0.5		1441																				
	135	NBK15-1.5		1442																				
	136	NBK16-0.0		1445																				
	137	NBK16-0.5		1446																				
	138	NBK16-1.5		1447																				

- 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_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

April 21, 2009

Gemma Reblando
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.: 105088

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 17, 2009 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

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

CLIENT: Geocon Consultants, Inc.
Project: SR-99 Modesto ADL, S9200-06-72
Lab Order: 105088

CASE NARRATIVE

Analytical Comments for Method 6010

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 105088-020AMSD, 105088-030ADUP, 105088-040ADUP, 105088-070ADUP and 105088-100ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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

Advanced Technology Laboratories

Date: 4/21/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-001A	TB1-0.0	87	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-002A	TB1-0.5	6.5	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-003A	TB1-1.5	9.7	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-004A	TB2-0.0	90	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-005A	TB2-0.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-006A	TB2-1.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-007A	TB3-0.0	91	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-008A	TB3-0.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-009A	TB3-1.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-010A	TB4-0.0	80	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-011A	TB4-0.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-012A	TB4-1.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-013A	TB5-0.0	70	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-014A	TB5-0.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-015A	TB5-1.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-016A	TB6-0.0	94	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-017A	TB6-0.5	8.1	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-018A	TB6-1.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/21/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-019A	TB7-0.0	140	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-020A	TB7-0.5	ND	mg/Kg	54811	5.0	1	4/16/2009	4/20/2009
105088-021A	TB7-1.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-022A	TB8-0.0	47	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-023A	TB8-0.5	28	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-024A	TB8-1.5	26	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-025A	TB9-0.0	63	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-026A	TB9-0.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-027A	TB9-1.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-028A	TB10-0.0	43	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-029A	TB10-0.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-030A	TB10-1.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-031A	TB11-0.0	6.6	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-032A	TB11-0.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-033A	TB11-1.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-034A	TB12-0.0	52	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-035A	TB12-0.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-036A	TB12-1.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/21/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-037A	TB13-0.0	11	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-038A	TB13-0.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-039A	TB13-1.5	ND	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-040A	TB14-0.0	39	mg/Kg	54812	5.0	1	4/16/2009	4/20/2009
105088-041A	TB14-0.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-042A	TB14-1.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-043A	TB15-0.0	8.6	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-044A	TB15-0.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-045A	TB15-1.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-046A	TB16-0.0	49	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-047A	TB16-0.5	7.1	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-048A	TB16-1.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-049A	TB17-0.0	8.7	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-050A	TB17-0.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-051A	TB17-1.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-052A	TB18-0.0	52	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-053A	TB18-0.5	6.4	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-054A	TB18-1.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/21/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-055A	TB19-0.0	12	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-056A	TB19-0.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-057A	TB19-1.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-058A	TB20-0.0	50	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-059A	TB20-0.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-060A	TB20-1.5	ND	mg/Kg	54813	5.0	1	4/16/2009	4/20/2009
105088-061A	TB21-0.0	57	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-062A	TB21-0.5	7.0	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-063A	TB21-1.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-064A	TB22-0.0	13	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-065A	TB22-0.5	5.2	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-066A	TB22-1.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-067A	TB23-0.0	28	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-068A	TB23-0.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-069A	TB23-1.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-070A	TB24-0.0	7.8	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-071A	TB24-0.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-072A	TB24-1.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/21/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-073A	TB25-0.0	14	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-074A	TB25-0.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-075A	TB25-1.5	5.4	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-076A	TB26-0.0	16	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-077A	TB26-0.5	5.3	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-078A	TB26-1.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-079A	TB27-0.0	35	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-080A	TB27-0.5	ND	mg/Kg	54814	5.0	1	4/16/2009	4/20/2009
105088-081A	TB27-1.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-082A	TB28-0.0	22	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-083A	TB28-0.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-084A	TB28-1.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-085A	TB29-0.0	26	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-086A	TB29-0.5	13	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-087A	TB29-1.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-088A	TB30-0.0	62	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-089A	TB30-0.5	9.6	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-090A	TB30-1.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/21/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-091A	TB31-0.0	130	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-092A	TB31-0.5	5.8	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-093A	TB31-1.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-094A	TB32-0.0	82	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-095A	TB32-0.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-096A	TB32-1.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-097A	TB33-0.0	45	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-098A	TB33-0.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-099A	TB33-1.5	ND	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-100A	TB34-0.0	61	mg/Kg	54815	5.0	1	4/16/2009	4/20/2009
105088-101A	TB34-0.5	ND	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-102A	TB34-1.5	ND	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-103A	TB35-0.0	47	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-104A	TB35-0.5	ND	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-105A	TB35-1.5	ND	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-106A	TB36-0.0	14	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-107A	TB36-0.5	ND	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-108A	TB36-1.5	ND	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/21/2009

ANALYTICAL RESULTS

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	SRB

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-109A	TB37-0.0	50	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-110A	TB37-0.5	37	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009
105088-111A	TB37-1.5	ND	mg/Kg	54816	5.0	1	4/16/2009	4/20/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/21/2009

ANALYTICAL RESULTS

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	DDL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-004A	TB2-0.0	7.4	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-016A	TB6-0.0	8.0	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-024A	TB8-1.5	7.5	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-036A	TB12-1.5	7.2	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-047A	TB16-0.5	7.7	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-054A	TB18-1.5	8.0	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-068A	TB23-0.5	7.4	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-072A	TB24-1.5	7.4	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-083A	TB28-0.5	7.7	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-098A	TB33-0.5	7.6	pH Units	R108263	0.10	1	4/16/2009	4/20/2009
105088-103A	TB35-0.0	7.9	pH Units	R108264	0.10	1	4/16/2009	4/20/2009
105088-111A	TB37-1.5	8.1	pH Units	R108264	0.10	1	4/16/2009	4/20/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54811A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108286**
Client ID: **PBS**	Batch ID: **54811**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699035**

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

Sample ID: **LCS-54811**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108286**
Client ID: **LCSS**	Batch ID: **54811**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	287.620	5.0	250.0	0	115	80	120				

Sample ID: **105088-010A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108286**
Client ID: **TB4-0.0**	Batch ID: **54811**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	65.717	5.0						79.81	19.4	20	

Sample ID: **105088-010A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108286**
Client ID: **TB4-0.0**	Batch ID: **54811**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.119	5.0	250.0	79.81	60.9	33	120				

Sample ID: **MB-54811B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108286**
Client ID: **PBS**	Batch ID: **54811**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.144	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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105088-020A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108286**
Client ID: **TB7-0.5**	Batch ID: **54811**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.168	5.0						2.872	0	20	

Sample ID: **105088-020A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108286**
Client ID: **TB7-0.5**	Batch ID: **54811**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	172.586	5.0	250.0	2.872	67.9	33	120				

Sample ID: **105088-020A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108286**
Client ID: **TB7-0.5**	Batch ID: **54811**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	212.513	5.0	250.0	2.872	83.9	33	120	172.6	20.7	20	R

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54812A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108295**
Client ID: **PBS**	Batch ID: **54812**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699063**

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

Sample ID: **LCS-54812**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108295**
Client ID: **LCSS**	Batch ID: **54812**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	286.712	5.0	250.0	0	115	80	120				

Sample ID: **105088-030A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108295**
Client ID: **TB10-1.5**	Batch ID: **54812**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699075**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.317	5.0						2.181	108	20	R

Sample ID: **105088-030A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108295**
Client ID: **TB10-1.5**	Batch ID: **54812**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699076**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	192.639	5.0	250.0	2.181	76.2	33	120				

Sample ID: **MB-54812B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108295**
Client ID: **PBS**	Batch ID: **54812**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699077**

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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105088-040A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108295**
Client ID: **TB14-0.0**	Batch ID: **54812**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699088**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.193	5.0						38.65	22.0	20	R

Sample ID: **105088-040A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108295**
Client ID: **TB14-0.0**	Batch ID: **54812**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	251.390	5.0	250.0	38.65	85.1	33	120				

Sample ID: **105088-040A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108295**
Client ID: **TB14-0.0**	Batch ID: **54812**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	239.095	5.0	250.0	38.65	80.2	33	120	251.4	5.01	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54813A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108298**
Client ID: **PBS**	Batch ID: **54813**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699104**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.123	5.0									

Sample ID: **LCS-54813**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108298**
Client ID: **LCSS**	Batch ID: **54813**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	268.331	5.0	250.0	0.1227	107	80	120				

Sample ID: **105088-050A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108298**
Client ID: **TB17-0.5**	Batch ID: **54813**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.899	5.0						1.919	0	20	

Sample ID: **105088-050A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108298**
Client ID: **TB17-0.5**	Batch ID: **54813**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	181.453	5.0	250.0	1.919	71.8	33	120				

Sample ID: **MB-54813B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108298**
Client ID: **PBS**	Batch ID: **54813**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699118**

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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105088-060A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108298**
Client ID: **TB20-1.5**	Batch ID: **54813**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699129**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.734	5.0						0.5114	0	20	

Sample ID: **105088-060A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108298**
Client ID: **TB20-1.5**	Batch ID: **54813**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	199.054	5.0	250.0	0.5114	79.4	33	120				

Sample ID: **105088-060A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108298**
Client ID: **TB20-1.5**	Batch ID: **54813**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699131**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	186.868	5.0	250.0	0.5114	74.5	33	120	199.1	6.32	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54814A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108316**
Client ID: **PBS**	Batch ID: **54814**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699398**

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

Sample ID: **LCS-54814**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108316**
Client ID: **LCSS**	Batch ID: **54814**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699399**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	263.146	5.0	250.0	0	105	80	120				

Sample ID: **105088-070A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108316**
Client ID: **TB24-0.0**	Batch ID: **54814**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699410**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.772	5.0						7.845	31.4	20	R

Sample ID: **105088-070A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108316**
Client ID: **TB24-0.0**	Batch ID: **54814**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.076	5.0	250.0	7.845	83.3	33	120				

Sample ID: **MB-54814B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108316**
Client ID: **PBS**	Batch ID: **54814**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699412**

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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105088-080A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108316**
Client ID: **TB27-0.5**	Batch ID: **54814**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699423**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.311	5.0						3.758	0	20	

Sample ID: **105088-080A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108316**
Client ID: **TB27-0.5**	Batch ID: **54814**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699424**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	197.679	5.0	250.0	3.758	77.6	33	120				

Sample ID: **105088-080A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108316**
Client ID: **TB27-0.5**	Batch ID: **54814**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	215.993	5.0	250.0	3.758	84.9	33	120	197.7	8.85	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54815A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108321**
Client ID: **PBS**	Batch ID: **54815**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699471**

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

Sample ID: **LCS-54815**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108321**
Client ID: **LCSS**	Batch ID: **54815**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699472**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	244.325	5.0	250.0	0	97.7	80	120				

Sample ID: **105088-090A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108321**
Client ID: **TB30-1.5**	Batch ID: **54815**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.576	5.0						0.6734	0	20	

Sample ID: **105088-090A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108321**
Client ID: **TB30-1.5**	Batch ID: **54815**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699484**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.962	5.0	250.0	0.6734	83.7	33	120				

Sample ID: **MB-54815B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108321**
Client ID: **PBS**	Batch ID: **54815**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699485**

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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105088-100A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108321**
Client ID: **TB34-0.0**	Batch ID: **54815**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699496**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.269	5.0						60.89	23.1	20	R

Sample ID: **105088-100A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108321**
Client ID: **TB34-0.0**	Batch ID: **54815**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699497**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.737	5.0	250.0	60.89	73.9	33	120				

Sample ID: **105088-100A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108321**
Client ID: **TB34-0.0**	Batch ID: **54815**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	224.794	5.0	250.0	60.89	65.6	33	120	245.7	8.90	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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-54816A**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108322**
Client ID: **PBS**	Batch ID: **54816**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699499**

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

Sample ID: **LCS-54816**	SampType: **LCS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108322**
Client ID: **LCSS**	Batch ID: **54816**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.205	5.0	250.0	0	101	80	120				

Sample ID: **105088-110A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108322**
Client ID: **TB37-0.5**	Batch ID: **54816**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32.841	5.0						37.30	12.7	20	

Sample ID: **105088-110A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108322**
Client ID: **TB37-0.5**	Batch ID: **54816**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	227.151	5.0	250.0	37.30	75.9	33	120				

Sample ID: **MB-54816B**	SampType: **MBLK**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108322**
Client ID: **PBS**	Batch ID: **54816**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699513**

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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **105088-111A-DUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108322**
Client ID: **TB37-1.5**	Batch ID: **54816**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699515**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.766	5.0						2.305	0	20	

Sample ID: **105088-111A-MS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108322**
Client ID: **TB37-1.5**	Batch ID: **54816**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	187.563	5.0	250.0	2.305	74.1	33	120				

Sample ID: **105088-111A-MSD**	SampType: **MSD**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **4/17/2009**	RunNo: **108322**
Client ID: **TB37-1.5**	Batch ID: **54816**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **4/20/2009**	SeqNo: **1699517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	183.119	5.0	250.0	2.305	72.3	33	120	187.6	2.40	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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **105088-004ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **108263**
Client ID: **TB2-0.0** Batch ID: **R108263** TestNo: **EPA 9045C** Analysis Date: **4/20/2009** SeqNo: **1698537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.480	0.10						7.410	0.940	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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **105088-103ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **108264**
Client ID: **TB35-0.0** Batch ID: **R108264** TestNo: **EPA 9045C** Analysis Date: **4/20/2009** SeqNo: **1698548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.000	0.10						7.860	1.77	20	

Qualifiers:

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

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: 4/17/09

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: GSO

Sample Condition Upon Receipt: 18.1
1. CHILLED Y ☐ N ☐ | 4. SEALED Y ☐ N ☑
2. HEADSPACE (VOA) Y ☐ N ☐ N/A | 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ | 6. PRESERVED Y ☐ N ☑

Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/16/09	1630	GSO	4/16/09	1630
			Mary	4/17/09	800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105088-001	TB1-0.0	4/16/09	818										X		X					C	1	2 T	
	2	TB1-0.5		819																				
	3	TB1-1.5		821																				
	4	TB2-0.0		826											X									
	5	TB2-0.5		827																				
	6	TB2-1.5		829																				
	7	TB3-0.0		833																				
	8	TB3-0.5		834																				
	9	TB3-1.0		836																				
	10	TB4-0.0		838																				

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/16/09 Time: 1630
Received by: (Signature and Printed Name) 650 Date: 4/16/09 Time: 1630
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Marga Date: 4/17/09 Time: 800
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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
RTNE ☐
CT ☑
SWRCB ☐ Logcode_____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL PH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	1050858-11	TB4-0.5	4/16/09	839									X			X					C	1	2.5		
	12	TB4-1.5		841																					
	13	TB5-0.0		846																					
	14	TB5-0.5		847																					
	15	TB5-1.5		849																					
	16	TB6-0.0		851											X										
	17	TB6-0.5		852																					
	18	TB6-1.5		854																					
	19	TB7-0.0		856																					
	20	TB7-0.5	"	857									"			"					"	"	"		

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C
$Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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

Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/16/09	1630	650	4/16/09	1630
			Mary	4/17/09	800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105088-21	TB7-1.5	4/16/09	859									X			X					C	1	2	
	22	TB8-0.0		900																				
	23	TB8-0.5		901																				
	24	TB8-1.5		903											X									
	25	TB9-0.0		905																				
	26	TB9-0.5		906																				
	27	TB9-1.5		908																				
	28	TB10-0.0		910																				
	29	TB10-0.5		911																				
	30	TB10-1.5	↓	913									↓			↓					↓	↓		

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Attention: GEMMA REBLANDO
Address: 3160 Gold Valley Drive, Suite 800
City: Rancho Cordova State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/16/09	1630	[illegible]	4/16/09	1630
[illegible]			[illegible]	4/17/09	800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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.

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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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1050448-31	TB11-0.0	4/16/09	918									X			X					C	1	2 P	
	32	TB11-0.5		919																				
	33	TB11-1.5		921																				
	34	TB12-0.0		923																				
	35	TB12-0.5		924																				
	36	TB12-1.5		926											X									
	37	TB13-0.0		929																				
	38	TB12-0.5		930																				
	39	TB13-1.5		932																				
	40	TB14-0.0		934																				

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/16/09	1630	G50	4/16/09	1630
			Mars	4/17/09	0900

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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.

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- Sample :$2.00 / sample /mo (after 45 days)
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Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105088-41	TB14-0.5	4/16/09	935										X		X					C	1	2 P	
	42	TB14-1.5		937																				
	43	TB15-0.0		939																				
	44	TB15-0.5		940																				
	45	TB15-1.5		941																				
	46	TB16-0.0		944																				
	47	TB16-0.5		945											X									
	48	TB16-1.5		947																				
	49	TB17-0.0		950																				
	50	TB17-0.5		951																				

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C
$Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
MIKE O'BRIEN	4/16/09	1630	G50	4/16/09	1630
			Mary	4/17/09	800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1050851 51	TB17-1.5	4/16/09	953										X		X					C	1	2	
	52	TB18-0.0		954																				
	53	TB18-0.5		955																				
	54	TB18-1.5		957											X									
	55	TB19-0.0		1000																				
	56	TB19-0.5		1001																				
	57	TB19-1.5		1003																				
	58	TB20-0.0		1005																				
	59	TB20-0.5		1006																				
	60	TB20-1.5		1008																				

- 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_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/16/09	1630	650	4/16/09	1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) Margi	Date: 4/17/09	Time: 800
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1050885-61	TB21-0.0	4/16/09	1013									X			X					C	1	2	
	62	TB21-0.5		1014																				
	63	TB21-1.5		1016																				
	64	TB22-0.0		1019																				
	65	TB22-0.5		1020																				
	66	TB22-1.5		1022																				
	67	TB23-0.0		1027																				
	68	TB23-0.5		1029											X									
	69	TB23-1.5		1030																				
	70	TB24-0.0		1031																				

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/16/09 Time: 1630
Received by: (Signature and Printed Name) GSO Date: 4/16/09 Time: 1630
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/17/09 Time: 800
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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.

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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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105088-71	TB 24-0.5	4/16/09	1032									X			X					C	1	2.5	
	72	TB 24-1.5		1034											X									
	73	TB 25-0.0		1035																				
	74	TB 25-0.5		1036																				
	75	TB 25-1.5		1038																				
	76	TB 26-0.0		1048																				
	77	TB 26-0.5		1049																				
	78	TB 26-1.5		1051																				
	79	TB 27-0.0		1052																				
	80	TB 27-0.5		1053																		X		

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

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 CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/16/09 Time: 1630
Received by: (Signature and Printed Name) GSO Date: 4/16/09 Time: 1630
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4/17/09 Time: 840
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

Sample/Records - Archival & Disposal
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SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC
RTNE ☐
CT ☑
SWRCB ☐ Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1050881-81	TB27-1.5	4/16/09	1055										X		X					C	1	2 jar	
	82	TB28-0.0		1056																				
	83	TB28-0.5		1057											X									
	84	TB28-1.5		1059																				
	85	TB29-0.0		1107																				
	86	TB29-0.5		1108																				
	87	TB29-1.5		1110																				
	88	TB30-0.0		1111																				
	89	TB30-0.5		1112																				
	90	TB30-1.5		1114																				

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

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

CHAIN OF CUSTODY RECORD

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

Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
Tel: 916.852.9118
Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
MIKE O'BRIEN	4/16/09	1630			
			650	4/16/09	1630
			Mark Hahn	4/17/09	800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
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SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	1050766-91	TB31-0.0	4/16/09	1116										X		X					C	1	2	
	92	TB31-0.5		1117																				
	93	TB31-1.5		1119																				
	94	TB32-0.0		1124																				
	95	TB32-0.5		1125																				
	96	TB32-1.5		1127																				
	97	TB33-0.0		1128																				
	98	TB33-0.5		1129											X									
	99	TB33-1.5		1130																				
	100	TB34-0.0		1132																				

- 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

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CHAIN OF CUSTODY RECORD

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FOR LABORATORY USE ONLY

P.O. #: _____
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Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y ☐ N ☐ 4. SEALED Y ☐ N ☐
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3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: GEOCON CONSULTANTS, INC
Address: 3160 Gold Valley Drive, Suite 800
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Attention: GEMMA REBLANDO
City: Rancho Cordova State: CA Zip Code: 95742
Fax: 916.852.9132

Project Name: SR-99 Modesto ADL
Project #: S9200-06-72
Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name) MIKE O'BRIEN Date: 4/16/09 Time: 1630
Received by: (Signature and Printed Name) GSO Date: 4/16/09 Time: 1630

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Marsy Date: 4/17/09 Time: 800

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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
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SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105088-101	TB34-0.5	4/16/09	1133										X		X					C	1	2 jp	
	102	TB34-1.5		1135																				
	103	TB35-0.0		1140											X									
	104	TB35-0.5		1141																				
	105	TB35-1.5		1143																				
	106	TB36-0.0		1144																				
	107	TB36-0.5		1145																				
	108	TB36-1.5		1146																				
	109	TB37-0.0		1147																				
	110	TB37-0.5		1148																		X		

- 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

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CHAIN OF CUSTODY RECORD

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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 CONSULTANTS, INC	Address: 3160 Gold Valley Drive, Suite 800		Tel: 916.852.9118
Attention: GEMMA REBLANDO	City: Rancho Cordova	State: CA Zip Code: 95742	Fax: 916.852.9132

Project Name: SR-99 Modesto ADL | Project #: S9200-06-72 | Sampler: (Printed Name) MIKE O'BRIEN (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MIKE O'BRIEN	4/16/09	1630	GSO	4/16/09	1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
				4/17/09	810
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: MIKE O'BRIEN
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: State: Zip:

Special Instructions/Comments:
Caltrans Contract 06A1141.
Please homogenize the samples prior to analysis.

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: RTNE ☐ CT ☑ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD 6010B	SOIL pH 9045	SOIL	WATER	GROUND WATER	WASTEWATER	CARBON	TAT	Container(s) #	Container(s) Type	REMARKS
	105788-111	TB37-1.5	4/16/09	1149									X	X	X						C	1	2.5P	

- 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 $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

April 24, 2009

Gemma Reblando
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.: 105035

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 15, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CLIENT: Geocon Consultants, Inc.
Project: SR-99 Modesto ADL, S9200-06-72
Lab Order: 105035

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for sample 105035-065A, due to sample matrix.

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

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	VV

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-028A	KB10-0.0	3.6	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-065A	LB3-0.0	18	mg/L	54896	0.50	2	4/14/2009	4/24/2009
105035-073A	LB7-0.0	5.7	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-081A	LB11-0.0	6.0	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-083A	LB12-0.0	3.4	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-084A	LB12-0.5	2.0	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-089A	LB15-0.0	7.6	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-093A	LB24-0.0	6.2	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-097A	LB26-0.0	6.9	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-102A	LB28-0.5	5.8	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-107A	LB16-0.0	5.4	mg/L	54896	0.25	1	4/14/2009	4/24/2009
105035-119A	LB22-0.0	5.9	mg/L	54896	0.25	1	4/14/2009	4/24/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-54896A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **PBS**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702024**

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

Sample ID: **LCS-54896**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **LCSS**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.925	0.25	5.000	0	98.5	80	120				

Sample ID: **105035-102A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **LB28-0.5**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.838	0.25						5.775	1.10	20	

Sample ID: **105035-102A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **LB28-0.5**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.591	0.50	5.000	5.775	96.3	80	120				

Sample ID: **MB-54896B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **PBS**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702038**

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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **105058-013A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **ZZZZZZ**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.873	0.25						4.998	2.55	20	

Sample ID: **105058-013A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **ZZZZZZ**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.767	0.50	5.000	4.998	95.4	80	120				

Sample ID: **105058-013A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **ZZZZZZ**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702051**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.499	0.50	5.000	4.998	90.0	80	120	9.767	2.78	20	

Qualifiers:

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

Diane Galvan

From: Gemma Reblando [reblando@geoconinc.com]
Sent: Tuesday, April 21, 2009 11:47 AM
To: Diane Galvan
Subject: SR-99 Modesto ADL (105035)

Hi Diane – please analyze the following soil samples for WET soluble lead under 72-hour TAT.

105035-028A
105035-065A
105035-073A
105035-081A
105035-083A
105035-084A
105035-089A
105035-093A
105035-097A
105035-102A
105035-107A
105035-119A

Gemma Reblando

Project Geologist

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

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
916.396.8476 Mobile

GEOCON

GEOTECHNICAL - ENVIRONMENTAL - MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

April 24, 2009

Gemma Reblando
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.: 105058

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 16, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,

Eddie P. Rodriguez
Laboratory Director

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

CLIENT: Geocon Consultants, Inc.
Project: SR-99 Modesto ADL, S9200-06-72
Lab Order: 105058

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 105058-003A, 105058-007A, 105058-015A, 105058-017A, 105058-019A, 105058-023A, 105058-025A, 105058-027A, 105058-049A, 105058-051A, 105058-053A, 105058-063A, 105058-069A, 105058-071A, 105058-073A, 105058-083A, 105058-118A, 105058-121A, 105058-122A, 105058-124A, 105058-127A, 105058-133A and 105058-136A, due to sample matrix.

RPD for Duplicate (DUP) is outside criteria for sample 104528-004ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

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

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	VV

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-002A	IB1-0.5	3.1	mg/L	54896	0.25	1	4/15/2009	4/24/2009
105058-003A	IB2-0.0	24	mg/L	54896	1.0	4	4/15/2009	4/24/2009
105058-005A	IB3-0.0	8.0	mg/L	54896	0.25	1	4/15/2009	4/24/2009
105058-007A	IB4-0.0	15	mg/L	54896	0.50	2	4/15/2009	4/24/2009
105058-009A	IB5-0.0	2.9	mg/L	54896	0.25	1	4/15/2009	4/24/2009
105058-010A	IB5-0.5	5.4	mg/L	54896	0.25	1	4/15/2009	4/24/2009
105058-011A	IB6-0.0	7.4	mg/L	54896	0.25	1	4/15/2009	4/24/2009
105058-013A	IB7-0.0	5.0	mg/L	54896	0.25	1	4/15/2009	4/24/2009
105058-015A	IB8-0.0	13	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-017A	IB9-0.0	13	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-019A	IB10-0.0	12	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-021A	IB11-0.0	8.9	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-023A	IB12-0.0	11	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-025A	IB13-0.0	10	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-027A	IB14-0.0	17	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-029A	IB15-0.0	6.6	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-031A	IB16-0.0	6.3	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-032A	IB16-0.5	4.8	mg/L	54897	0.25	1	4/15/2009	4/24/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	VV

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-033A	IB17-0.0	7.0	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-035A	IB18-0.0	6.1	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-036A	IB18-0.5	0.78	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-037A	IB19-0.0	7.0	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-043A	IB22-0.0	5.4	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-045A	IB23-0.0	8.3	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-047A	IB24-0.0	6.5	mg/L	54897	0.25	1	4/15/2009	4/24/2009
105058-049A	IB25-0.0	14	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-051A	IB26-0.0	13	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-053A	IB27-0.0	11	mg/L	54897	0.50	2	4/15/2009	4/24/2009
105058-055A	IB28-0.0	5.3	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-057A	IB29-0.0	4.8	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-059A	IB30-0.0	4.5	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-061A	IB31-0.0	7.0	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-063A	IB32-0.0	14	mg/L	54898	0.50	2	4/15/2009	4/24/2009
105058-065A	IB33-0.0	4.9	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-067A	IB34-0.0	7.6	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-069A	IB35-0.0	10	mg/L	54898	0.50	2	4/15/2009	4/24/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	VV

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-071A	IB36-0.0	17	mg/L	54898	0.50	2	4/15/2009	4/24/2009
105058-073A	IB37-0.0	4.3	mg/L	54898	0.50	2	4/15/2009	4/24/2009
105058-075A	IB38-0.0	3.6	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-078A	IB39-0.5	3.6	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-081A	IB41-0.0	5.3	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-083A	IB42-0.0	10	mg/L	54898	0.50	2	4/15/2009	4/24/2009
105058-085A	IB43-0.0	5.1	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-087A	IB44-0.0	4.3	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-089A	IB45-0.0	6.8	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-103A	NBK5-0.0	4.6	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-109A	NBK7-0.0	8.1	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-112A	NBK8-0.0	8.0	mg/L	54898	0.25	1	4/15/2009	4/24/2009
105058-118A	NBK10-0.0	12	mg/L	54899	0.50	2	4/15/2009	4/24/2009
105058-119A	NBK10-0.5	7.3	mg/L	54899	0.25	1	4/15/2009	4/24/2009
105058-121A	NBK11-0.0	10	mg/L	54899	0.50	2	4/15/2009	4/24/2009
105058-122A	NBK11-0.5	10	mg/L	54899	0.50	2	4/15/2009	4/24/2009
105058-124A	NBK12-0.0	14	mg/L	54899	0.50	2	4/15/2009	4/24/2009
105058-127A	NBK13-0.0	13	mg/L	54899	0.50	2	4/15/2009	4/24/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	VV

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-128A	NBK13-0.5	4.6	mg/L	54899	0.25	1	4/15/2009	4/24/2009
105058-130A	NBK14-0.0	7.7	mg/L	54899	0.25	1	4/15/2009	4/24/2009
105058-131A	NBK14-0.5	7.5	mg/L	54899	0.25	1	4/15/2009	4/24/2009
105058-133A	NBK15-0.0	12	mg/L	54899	0.50	2	4/15/2009	4/24/2009
105058-136A	NBK16-0.0	23	mg/L	54899	1.0	4	4/15/2009	4/24/2009
105058-137A	NBK16-0.5	4.8	mg/L	54899	0.25	1	4/15/2009	4/24/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 4/24/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (TCLP)
EPA 1311/ 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	VV

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-127A	NBK13-0.0	0.31	mg/L	54937	0.25	1	4/15/2009	4/23/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-54896A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **PBS**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702024**

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

Sample ID: **LCS-54896**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **LCSS**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.925	0.25	5.000	0	98.5	80	120				

Sample ID: **105035-102A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **ZZZZZZ**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.838	0.25						5.775	1.10	20	

Sample ID: **105035-102A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **ZZZZZZ**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.591	0.50	5.000	5.775	96.3	80	120				

Sample ID: **MB-54896B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **PBS**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702038**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **105058-013A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **IB7-0.0**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.873	0.25						4.998	2.55	20	

Sample ID: **105058-013A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **IB7-0.0**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.767	0.50	5.000	4.998	95.4	80	120				

Sample ID: **105058-013A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108472**
Client ID: **IB7-0.0**	Batch ID: **54896**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702051**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.499	0.50	5.000	4.998	90.0	80	120	9.767	2.78	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-54897A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108471**
Client ID: **PBS**	Batch ID: **54897**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702001**

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

Sample ID: **LCS-54897**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108471**
Client ID: **LCSS**	Batch ID: **54897**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702002**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.913	0.25	5.000	0	98.3	80	120				

Sample ID: **105058-032A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108471**
Client ID: **IB16-0.5**	Batch ID: **54897**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.812	0.25						4.825	0.275	20	

Sample ID: **105058-032A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108471**
Client ID: **IB16-0.5**	Batch ID: **54897**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.713	0.50	5.000	4.825	97.8	80	120				

Sample ID: **MB-54897B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108471**
Client ID: **PBS**	Batch ID: **54897**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702015**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **105058-053A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108473**
Client ID: **IB27-0.0**	Batch ID: **54897**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.813	0.50						10.60	2.02	20	

Sample ID: **105058-053A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108473**
Client ID: **IB27-0.0**	Batch ID: **54897**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.033	1.0	5.000	10.60	109	80	120				

Sample ID: **105058-053A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108473**
Client ID: **IB27-0.0**	Batch ID: **54897**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702069**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.858	1.0	5.000	10.60	105	80	120	16.03	1.10	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-54898A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108474**
Client ID: **PBS**	Batch ID: **54898**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702070**

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

Sample ID: **LCS-54898**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108474**
Client ID: **LCSS**	Batch ID: **54898**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702071**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.792	0.25	5.000	0	95.8	80	120				

Sample ID: **105058-073A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108474**
Client ID: **IB37-0.0**	Batch ID: **54898**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.466	0.50						4.306	3.67	20	

Sample ID: **105058-073A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108474**
Client ID: **IB37-0.0**	Batch ID: **54898**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.624	1.0	5.000	4.306	106	80	120				

Sample ID: **MB-54898B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108474**
Client ID: **PBS**	Batch ID: **54898**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702084**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **105058-112A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108474**
Client ID: **NBK8-0.0**	Batch ID: **54898**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702095**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.874	0.25						8.032	1.99	20	

Sample ID: **105058-112A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108474**
Client ID: **NBK8-0.0**	Batch ID: **54898**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702096**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.912	0.50	5.000	8.032	97.6	80	120				

Sample ID: **105058-112A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108474**
Client ID: **NBK8-0.0**	Batch ID: **54898**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702097**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.585	0.50	5.000	8.032	91.1	80	120	12.91	2.57	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-54899A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108489**
Client ID: **PBS**	Batch ID: **54899**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702437**

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

Sample ID: **LCS-54899**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108489**
Client ID: **LCSS**	Batch ID: **54899**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.177	0.25	5.000	0	104	80	120				

Sample ID: **105058-133A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108489**
Client ID: **NBK15-0.0**	Batch ID: **54899**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.602	0.50						11.66	0.540	20	

Sample ID: **105058-133A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108489**
Client ID: **NBK15-0.0**	Batch ID: **54899**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.812	0.50	5.000	11.66	103	80	120				

Sample ID: **MB-54899B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108489**
Client ID: **PBS**	Batch ID: **54899**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702451**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **105058-137A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108489**
Client ID: **NBK16-0.5**	Batch ID: **54899**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.804	0.25						4.816	0.246	20	

Sample ID: **105058-137A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108489**
Client ID: **NBK16-0.5**	Batch ID: **54899**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702455**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.121	0.50	5.000	4.816	106	80	120				

Sample ID: **105058-137A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108489**
Client ID: **NBK16-0.5**	Batch ID: **54899**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702456**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.099	0.50	5.000	4.816	106	80	120	10.12	0.222	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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-54937A**	SampType: **MBLK**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **PBS**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701209**

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

Sample ID: **MB-54948A TCLP**	SampType: **MBLK**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **PBS**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701210**

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

Sample ID: **LCS-54937**	SampType: **LCS**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **LCSS**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701211**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.178	0.25	1.000	0	118	80	120				

Sample ID: **104528-004A-DUP**	SampType: **DUP**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **ZZZZZZ**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.321	0.25						0	200	20	R

Sample ID: **104528-004A-MS**	SampType: **MS**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **ZZZZZZ**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.229	0.25	2.500	0	129	70	130				

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-54937B**	SampType: **MBLK**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **PBS**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701224**

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

Sample ID: **MB-54948B TCLP**	SampType: **MBLK**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **PBS**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701225**

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

Sample ID: **105058-127A-DUP**	SampType: **DUP**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **NBK13-0.0**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.340	0.25						0.3138	7.90	20	

Sample ID: **105058-127A-MS**	SampType: **MS**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **NBK13-0.0**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701233**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.743	0.25	2.500	0.3138	97.2	70	130				

Sample ID: **105058-127A-MSD**	SampType: **MSD**	TestCode: **7420_TC**	Units: **mg/L**	Prep Date: **4/23/2009**	RunNo: **108425**
Client ID: **NBK13-0.0**	Batch ID: **54937**	TestNo: **EPA 1311/ 74**	**EPA3010A**	Analysis Date: **4/23/2009**	SeqNo: **1701234**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.670	0.25	2.500	0.3138	94.2	70	130	2.743	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		

Diane Galvan

From: Gemma Reblando [reblando@geoconinc.com]
Sent: Tuesday, April 21, 2009 12:15 PM
To: Diane Galvan
Subject: SR-99 Modesto ADL (105058)

Hi Diane – please analyze the following soil samples for WET soluble lead under 72-hour TAT.

105058-002A
105058-003A
105058-005A
105058-007A
105058-009A
105058-010A
105058-011A
105058-013A
105058-015A
105058-017A
105058-019A
105058-021A
105058-023A
105058-025A
105058-027A
105058-029A
105058-031A
105058-032A
105058-033A
105058-035A
105058-036A
105058-037A
105058-043A
105058-045A
105058-047A
105058-049A
105058-051A
105058-053A
105058-055A
105058-057A
105058-059A
105058-061A
105058-063A
105058-065A
105058-067A
105058-069A
105058-071A
105058-073A
105058-075A
105058-078A
105058-081A
105058-083A
105058-085A
105058-087A
105058-089A
105058-103A
105058-109A
105058-112A
105058-118A
105058-119A
105058-121A
105058-122A
105058-124A
105058-127A (plus TCLP lead)
105058-128A
105058-130A
105058-131A

105058-133A
105058-136A
105058-137A

Thanks.

Gemma Reblando

Project Geologist

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

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
916.396.8476 Mobile

GEOCON

GEOTECHNICAL - ENVIRONMENTAL - MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

April 27, 2009

Gemma Reblando
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.: 105088

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 17, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CLIENT: Geocon Consultants, Inc.
Project: SR-99 Modesto ADL, S9200-06-72
Lab Order: 105088

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 105088-001A and 105088-004A, due to sample matrix.

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

Advanced Technology Laboratories

Date: 4/27/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION (STLC)
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	VV

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-001A	TB1-0.0	11	mg/L	54922	0.50	2	4/16/2009	4/24/2009
105088-004A	TB2-0.0	11	mg/L	54922	0.50	2	4/16/2009	4/24/2009
105088-007A	TB3-0.0	7.3	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-010A	TB4-0.0	6.7	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-013A	TB5-0.0	3.9	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-016A	TB6-0.0	4.4	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-019A	TB7-0.0	8.5	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-025A	TB9-0.0	3.9	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-034A	TB12-0.0	1.5	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-052A	TB18-0.0	1.8	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-058A	TB20-0.0	2.6	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-061A	TB21-0.0	2.2	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-088A	TB30-0.0	4.8	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-091A	TB31-0.0	6.6	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-094A	TB32-0.0	3.6	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-100A	TB34-0.0	2.5	mg/L	54922	0.25	1	4/16/2009	4/24/2009
105088-109A	TB37-0.0	2.7	mg/L	54922	0.25	1	4/16/2009	4/24/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-54922A**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108488**
Client ID: **PBS**	Batch ID: **54922**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702391**

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

Sample ID: **LCS-54922**	SampType: **LCS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108488**
Client ID: **LCSS**	Batch ID: **54922**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.980	0.25	5.000	0	99.6	80	120				

Sample ID: **105088-025A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108488**
Client ID: **TB9-0.0**	Batch ID: **54922**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.809	0.25						3.862	1.39	20	

Sample ID: **MB-54922B**	SampType: **MBLK**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108488**
Client ID: **PBS**	Batch ID: **54922**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702403**

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

Sample ID: **105088-109A-DUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108488**
Client ID: **TB37-0.0**	Batch ID: **54922**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702413**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.792	0.25						2.667	4.57	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **105088-025A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108488**
Client ID: **TB9-0.0**	Batch ID: **54922**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.639	0.25	5.000	3.862	95.5	80	120				

Sample ID: **105088-109A-MS**	SampType: **MS**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108488**
Client ID: **TB37-0.0**	Batch ID: **54922**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.269	0.25	5.000	2.667	92.0	80	120				

Sample ID: **105088-109A-MSD**	SampType: **MSD**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date: **4/22/2009**	RunNo: **108488**
Client ID: **TB37-0.0**	Batch ID: **54922**	TestNo: **WET/ EPA 74 WET**		Analysis Date: **4/24/2009**	SeqNo: **1702416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.262	0.25	5.000	2.667	91.9	80	120	7.269	0.0948	20	

Qualifiers:

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

Diane Galvan

From: Gemma Reblando [reblando@geoconinc.com]
Sent: Wednesday, April 22, 2009 10:57 AM
To: Diane Galvan
Subject: SR-99 Modesto ADL (105088)

Hi Diane – please analyze the following soil samples for WET soluble lead under 72-hour TAT.

105088-001A
105088-004A
105088-007A
105088-010A
105088-013A
105088-016A
105088-019A
105088-025A
105088-034A
105088-052A
105088-058A
105088-061A
105088-088A
105088-091A
105088-094A
105088-100A
105088-109A

Gemma Reblando

Project Geologist

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

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
916.396.8476 Mobile

GEOCON

GEOTECHNICAL - ENVIRONMENTAL - MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

May 06, 2009

Gemma Reblando
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.: 105035

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 15, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories

Date: 5/6/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105035
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/15/2009 9:30:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105035-065A	LB3-0.0	ND	mg/L	55147	0.25	1	4/14/2009	5/6/2009
105035-073A	LB7-0.0	ND	mg/L	55099	0.25	1	4/14/2009	5/6/2009
105035-081A	LB11-0.0	ND	mg/L	55099	0.25	1	4/14/2009	5/6/2009
105035-089A	LB15-0.0	ND	mg/L	55099	0.25	1	4/14/2009	5/6/2009
105035-093A	LB24-0.0	ND	mg/L	55099	0.25	1	4/14/2009	5/6/2009
105035-097A	LB26-0.0	ND	mg/L	55099	0.25	1	4/14/2009	5/6/2009
105035-102A	LB28-0.5	ND	mg/L	55099	0.25	1	4/14/2009	5/6/2009
105035-107A	LB16-0.0	ND	mg/L	55147	0.25	1	4/14/2009	5/6/2009
105035-119A	LB22-0.0	ND	mg/L	55099	0.25	1	4/14/2009	5/6/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-55099A**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **PBS**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707175**

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

Sample ID: **LCS-55099**	SampType: **LCS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **LCSS**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.072	0.25	5.000	0	101	80	120				

Sample ID: **105058-023A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **ZZZZZZ**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707187**

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: **105058-023A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **ZZZZZZ**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.993	0.25	5.000	0	99.9	70	130				

Sample ID: **105058-023A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **ZZZZZZ**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.170	0.25	5.000	0	103	70	130	4.993	3.50	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105035
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-55147A**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **PBS**	Batch ID: **55147**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707213**

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

Sample ID: **LCS-55147**	SampType: **LCS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **LCSS**	Batch ID: **55147**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.957	0.25	5.000	0	99.1	80	120				

Sample ID: **105058-021A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **ZZZZZZ**	Batch ID: **55147**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707225**

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: **105058-021A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **ZZZZZZ**	Batch ID: **55147**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.552	0.25	5.000	0	111	70	130				

Sample ID: **105058-021A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **ZZZZZZ**	Batch ID: **55147**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.380	0.25	5.000	0	108	70	130	5.552	3.16	20	

Qualifiers:

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

Diane Galvan

From: Gemma Reblando [reblando@geoconinc.com]
Sent: Wednesday, April 29, 2009 12:08 PM
To: Diane Galvan
Cc: 'Christopher Ogletree'
Subject: SR-99 Modesto ADL (105035), (105058) and (105088)

Hi Diane – please analyze the following soil samples for DI-WET soluble lead under 5-day TAT.

105035-065A
105035-073A
105035-081A
105035-089A
105035-093A
105035-097A
105035-102A
105035-107A
105035-119A

105058-003A
105058-005A
105058-007A
105058-010A
105058-011A
105058-013A
105058-015A
105058-017A
105058-019A
105058-021A
105058-023A
105058-025A
105058-027A
105058-029A
105058-031A
105058-033A
105058-035A
105058-037A
105058-043A
105058-045A
105058-047A
105058-049A
105058-051A
105058-053A
105058-055A
105058-061A
105058-063A
105058-067A
105058-069A
105058-071A
105058-081A
105058-083A
105058-085A
105058-089A
105058-109A
105058-112A
105058-118A
105058-119A
105058-121A
105058-122A
105058-124A
105058-127A
105058-130A
105058-131A
105058-133A

105058-136A

105088-001A
105088-004A
105088-007A
105088-010A
105088-019A
105088-091A

Thank you.

Gemma Reblando

Project Geologist

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

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
916.396.8476 Mobile

GEOCON

GEOTECHNICAL - ENVIRONMENTAL - MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

May 06, 2009

Gemma Reblando
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.: 105058

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 16, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories

Date: 5/6/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-003A	IB2-0.0	ND	mg/L	55147	0.25	1	4/15/2009	5/6/2009
105058-005A	IB3-0.0	ND	mg/L	55147	0.25	1	4/15/2009	5/6/2009
105058-007A	IB4-0.0	ND	mg/L	55147	0.25	1	4/15/2009	5/6/2009
105058-010A	IB5-0.5	ND	mg/L	55099	0.25	1	4/15/2009	5/6/2009
105058-011A	IB6-0.0	ND	mg/L	55099	0.25	1	4/15/2009	5/6/2009
105058-013A	IB7-0.0	ND	mg/L	55147	0.25	1	4/15/2009	5/6/2009
105058-015A	IB8-0.0	ND	mg/L	55147	0.25	1	4/15/2009	5/6/2009
105058-017A	IB9-0.0	ND	mg/L	55147	0.25	1	4/15/2009	5/6/2009
105058-019A	IB10-0.0	ND	mg/L	55147	0.25	1	4/15/2009	5/6/2009
105058-021A	IB11-0.0	ND	mg/L	55147	0.25	1	4/15/2009	5/6/2009
105058-023A	IB12-0.0	ND	mg/L	55099	0.25	1	4/15/2009	5/6/2009
105058-025A	IB13-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-027A	IB14-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-029A	IB15-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-031A	IB16-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-033A	IB17-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-035A	IB18-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-037A	IB19-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 5/6/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-043A	IB22-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-045A	IB23-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-047A	IB24-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-049A	IB25-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-051A	IB26-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-053A	IB27-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-055A	IB28-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-061A	IB31-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-063A	IB32-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-067A	IB34-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-069A	IB35-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-071A	IB36-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-081A	IB41-0.0	ND	mg/L	55100	0.25	1	4/15/2009	5/6/2009
105058-083A	IB42-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-085A	IB43-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-089A	IB45-0.0	0.95	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-109A	NBK7-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-112A	NBK8-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009

Qualifiers:

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

Advanced Technology Laboratories

Date: 5/6/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105058
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/16/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105058-118A	NBK10-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-119A	NBK10-0.5	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-121A	NBK11-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-122A	NBK11-0.5	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-124A	NBK12-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-127A	NBK13-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-130A	NBK14-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-131A	NBK14-0.5	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-133A	NBK15-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009
105058-136A	NBK16-0.0	ND	mg/L	55101	0.25	1	4/15/2009	5/5/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-55099A**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **PBS**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707175**

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

Sample ID: **LCS-55099**	SampType: **LCS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **LCSS**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.072	0.25	5.000	0	101	80	120				

Sample ID: **105058-023A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **IB12-0.0**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707187**

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: **105058-023A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **IB12-0.0**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.993	0.25	5.000	0	99.9	70	130				

Sample ID: **105058-023A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108787**
Client ID: **IB12-0.0**	Batch ID: **55099**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.170	0.25	5.000	0	103	70	130	4.993	3.50	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-55100A**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108785**
Client ID: **PBS**	Batch ID: **55100**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707147**

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

Sample ID: **LCS-55100**	SampType: **LCS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108785**
Client ID: **LCSS**	Batch ID: **55100**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.942	0.25	5.000	0	98.8	80	120				

Sample ID: **105058-047A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108785**
Client ID: **IB24-0.0**	Batch ID: **55100**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707159**

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: **105058-047A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108785**
Client ID: **IB24-0.0**	Batch ID: **55100**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707160**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.534	0.25	5.000	0	90.7	70	130				

Sample ID: **MB-55100B**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108785**
Client ID: **PBS**	Batch ID: **55100**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707161**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **105058-081A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108785**
Client ID: **IB41-0.0**	Batch ID: **55100**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707172**

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: **105058-081A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108785**
Client ID: **IB41-0.0**	Batch ID: **55100**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.635	0.25	5.000	0	92.7	70	130				

Sample ID: **105058-081A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108785**
Client ID: **IB41-0.0**	Batch ID: **55100**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/6/2009**	SeqNo: **1707174**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.972	0.25	5.000	0	99.4	70	130	4.635	7.02	20	

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-55101A**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **PBS**	Batch ID: **55101**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706545**

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

Sample ID: **LCS-55101**	SampType: **LCS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/5/2009**	RunNo: **108754**
Client ID: **LCSS**	Batch ID: **55101**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.305	0.25	5.000	0	106	80	120				

Sample ID: **105058-124A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **NBK12-0.0**	Batch ID: **55101**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706559**

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: **105058-124A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **NBK12-0.0**	Batch ID: **55101**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.807	0.25	5.000	0	116	70	130				

Sample ID: **MB-55101B**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **PBS**	Batch ID: **55101**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706561**

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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **105088-019A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **ZZZZZZ**	Batch ID: **55101**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/5/2009**	SeqNo: **1706572**

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: **105088-019A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **ZZZZZZ**	Batch ID: **55101**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/5/2009**	SeqNo: **1706573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.664	0.25	5.000	0	113	70	130				

Sample ID: **105088-019A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **ZZZZZZ**	Batch ID: **55101**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/5/2009**	SeqNo: **1706574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.600	0.25	5.000	0	112	70	130	5.664	1.15	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: 105058
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-55147A**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **PBS**	Batch ID: **55147**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707213**

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

Sample ID: **LCS-55147**	SampType: **LCS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **LCSS**	Batch ID: **55147**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.957	0.25	5.000	0	99.1	80	120				

Sample ID: **105058-021A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **IB11-0.0**	Batch ID: **55147**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707225**

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: **105058-021A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **IB11-0.0**	Batch ID: **55147**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.552	0.25	5.000	0	111	70	130				

Sample ID: **105058-021A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/4/2009**	RunNo: **108789**
Client ID: **IB11-0.0**	Batch ID: **55147**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/6/2009**	SeqNo: **1707227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.380	0.25	5.000	0	108	70	130	5.552	3.16	20	

Qualifiers:

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

Diane Galvan

From: Gemma Reblando [reblando@geoconinc.com]
Sent: Wednesday, April 29, 2009 12:08 PM
To: Diane Galvan
Cc: 'Christopher Ogletree'
Subject: SR-99 Modesto ADL (105035), (105058) and (105088)

Hi Diane – please analyze the following soil samples for DI-WET soluble lead under 5-day TAT.

105035-065A
105035-073A
105035-081A
105035-089A
105035-093A
105035-097A
105035-102A
105035-107A
105035-119A

105058-003A
105058-005A
105058-007A
105058-010A
105058-011A
105058-013A
105058-015A
105058-017A
105058-019A
105058-021A
105058-023A
105058-025A
105058-027A
105058-029A
105058-031A
105058-033A
105058-035A
105058-037A
105058-043A
105058-045A
105058-047A
105058-049A
105058-051A
105058-053A
105058-055A
105058-061A
105058-063A
105058-067A
105058-069A
105058-071A
105058-081A
105058-083A
105058-085A
105058-089A
105058-109A
105058-112A
105058-118A
105058-119A
105058-121A
105058-122A
105058-124A
105058-127A
105058-130A
105058-131A
105058-133A

105058-136A

105088-001A
105088-004A
105088-007A
105088-010A
105088-019A
105088-091A

Thank you.

Gemma Reblando

Project Geologist

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

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
916.396.8476 Mobile

GEOCON

GEOTECHNICAL - ENVIRONMENTAL - MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

May 06, 2009

Gemma Reblando
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.: 105088

RE: SR-99 Modesto ADL, S9200-06-72

Attention: Gemma Reblando

Enclosed are the results for sample(s) received on April 17, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories

Date: 5/6/2009

ANALYTICAL RESULTS

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	105088
Project:	SR-99 Modesto ADL, S9200-06-72	**Date Received**	4/17/2009 8:00:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
105088-001A	TB1-0.0	ND	mg/L	55101	0.25	1	4/16/2009	5/5/2009
105088-004A	TB2-0.0	ND	mg/L	55101	0.25	1	4/16/2009	5/5/2009
105088-007A	TB3-0.0	ND	mg/L	55101	0.25	1	4/16/2009	5/5/2009
105088-010A	TB4-0.0	ND	mg/L	55101	0.25	1	4/16/2009	5/5/2009
105088-019A	TB7-0.0	ND	mg/L	55101	0.25	1	4/16/2009	5/5/2009
105088-091A	TB31-0.0	ND	mg/L	55102	0.25	1	4/16/2009	5/5/2009

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected 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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **105058-124A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **ZZZZZZ**	Batch ID: **55101**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/5/2009**	SeqNo: **1706559**

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: **105058-124A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **ZZZZZZ**	Batch ID: **55101**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/5/2009**	SeqNo: **1706560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.807	0.25	5.000	0	116	70	130				

Sample ID: **MB-55101B**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **PBS**	Batch ID: **55101**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/5/2009**	SeqNo: **1706561**

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

Sample ID: **105088-019A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **TB7-0.0**	Batch ID: **55101**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/5/2009**	SeqNo: **1706572**

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: **105088-019A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108754**
Client ID: **TB7-0.0**	Batch ID: **55101**	TestNo: **WET DI/ EPA WET**		Analysis Date: **5/5/2009**	SeqNo: **1706573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.664	0.25	5.000	0	113	70	130				

Qualifiers:

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

CLIENT: Geocon Consultants, Inc.
Work Order: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **105088-019A-MSD** SampType: **MSD** TestCode: **7420_DI_GE** Units: **mg/L** Prep Date: **5/1/2009** RunNo: **108754**
Client ID: **TB7-0.0** Batch ID: **55101** TestNo: **WET DI/ EPA WET** Analysis Date: **5/5/2009** SeqNo: **1706574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.600	0.25	5.000	0	112	70	130	5.664	1.15	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: 105088
Project: SR-99 Modesto ADL, S9200-06-72

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI_GEOCON

Sample ID: **MB-55102A**	SampType: **MBLK**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108756**
Client ID: **PBS**	Batch ID: **55102**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706633**

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

Sample ID: **LCS-55102**	SampType: **LCS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108756**
Client ID: **LCSS**	Batch ID: **55102**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.715	0.25	5.000	0	114	80	120				

Sample ID: **105088-091A-DUP**	SampType: **DUP**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108756**
Client ID: **TB31-0.0**	Batch ID: **55102**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706642**

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: **105088-091A-MS**	SampType: **MS**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108756**
Client ID: **TB31-0.0**	Batch ID: **55102**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.528	0.25	5.000	0	111	70	130				

Sample ID: **105088-091A-MSD**	SampType: **MSD**	TestCode: **7420_DI_GE**	Units: **mg/L**	Prep Date: **5/1/2009**	RunNo: **108756**
Client ID: **TB31-0.0**	Batch ID: **55102**	TestNo: **WET DI/ EPA**	**WET**	Analysis Date: **5/5/2009**	SeqNo: **1706644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.584	0.25	5.000	0	112	70	130	5.528	1.02	20	

Qualifiers:

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

Diane Galvan

From: Gemma Reblando [reblando@geoconinc.com]
Sent: Wednesday, April 29, 2009 12:08 PM
To: Diane Galvan
Cc: 'Christopher Ogletree'
Subject: SR-99 Modesto ADL (105035), (105058) and (105088)

Hi Diane – please analyze the following soil samples for DI-WET soluble lead under 5-day TAT.

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105035-089A
105035-093A
105035-097A
105035-102A
105035-107A
105035-119A

105058-003A
105058-005A
105058-007A
105058-010A
105058-011A
105058-013A
105058-015A
105058-017A
105058-019A
105058-021A
105058-023A
105058-025A
105058-027A
105058-029A
105058-031A
105058-033A
105058-035A
105058-037A
105058-043A
105058-045A
105058-047A
105058-049A
105058-051A
105058-053A
105058-055A
105058-061A
105058-063A
105058-067A
105058-069A
105058-071A
105058-081A
105058-083A
105058-085A
105058-089A
105058-109A
105058-112A
105058-118A
105058-119A
105058-121A
105058-122A
105058-124A
105058-127A
105058-130A
105058-131A
105058-133A

105058-136A

105088-001A
105088-004A
105088-007A
105088-010A
105088-019A
105088-091A

Thank you.

Gemma Reblando

Project Geologist

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Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
916.852.9118 Tel
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GEOCON

GEOTECHNICAL - ENVIRONMENTAL - MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

APPENDIX B

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.0 to 0.5 ft
Location:	Kansas Avenue Northbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	16
Number of Unique Samples	15
Minimum	11
Maximum	540
Mean	107.5625
Median	73
Standard Deviation	127.5894294
Variance	16279.0625
Coefficient of Variation	1.186188769
Skewness	2.858294802
Mean of log data	4.188091477
Standard Deviation of log data	1.040371013
90% Non-parametric UCLs	
Standard Bootstrap UCL	147.0419825
95% Non-parametric UCLs	
Standard Bootstrap UCL	157.1851715

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.5 to 1.0 ft
Location:	Kansas Avenue Northbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	16
Number of Unique Samples	11
Minimum	2.5
Maximum	210
Mean	35.9
Median	8.7
Standard Deviation	54.804197
Variance	3003.500000
Coefficient of Variation	1.526579
Skewness	2.415113
Mean of log data	2.494133
Standard Deviation of log data	1.580401
90% Non-parametric UCLs	
Standard Bootstrap UCL	53.36487295
95% Non-parametric UCLs	
Standard Bootstrap UCL	57.75251795

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	1.5 to 2.0 ft
Location:	Kansas Avenue Northbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	16
Number of Unique Samples	2
Minimum	2.5
Maximum	38
Mean	4.71875
Median	2.5
Standard Deviation	8.875000
Variance	78.765625
Coefficient of Variation	1.880795
Skewness	4.000000
Mean of log data	1.086372
Standard Deviation of log data	0.680324
90% Non-parametric UCLs	
Standard Bootstrap UCL	7.460396109
95% Non-parametric UCLs	
Standard Bootstrap UCL	8.197708615

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.0 to 0.5 ft
Location:	Kansas Avenue Southbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	20
Number of Unique Samples	18
Minimum	13
Maximum	57
Mean	31.9
Median	33
Standard Deviation	12.55262606
Variance	157.5684211
Coefficient of Variation	0.39349925
Skewness	0.080070849
Mean of log data	3.377307215
Standard Deviation of log data	0.44284787
90% Non-parametric UCLs	
Standard Bootstrap UCL	35.31585139
95% Non-parametric UCLs	
Standard Bootstrap UCL	36.36359116

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.5 to 1.0 ft
Location:	Kansas Avenue Southbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	20
Number of Unique Samples	5
Minimum	2.5
Maximum	9.1
Mean	3.33
Median	2.5
Standard Deviation	1.829035
Variance	3.345368
Coefficient of Variation	0.549260
Skewness	2.229454
Mean of log data	1.107647
Standard Deviation of log data	0.403464
90% Non-parametric UCLs	
Standard Bootstrap UCL	3.838294245
95% Non-parametric UCLs	
Standard Bootstrap UCL	3.998731269

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	1.5 to 2.0 ft
Location:	Kansas Avenue Southbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	20
Number of Unique Samples	2
Minimum	2.5
Maximum	5.4
Mean	2.645
Median	2.5
Standard Deviation	0.648460
Variance	0.420500
Coefficient of Variation	0.245164
Skewness	4.472136
Mean of log data	0.954796
Standard Deviation of log data	0.172201
90% Non-parametric UCLs	
Standard Bootstrap UCL	2.831844704
95% Non-parametric UCLs	
Standard Bootstrap UCL	2.874504927

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.0 to 0.5 ft
Location:	L Street Southbound SR-99 Offramp

DATA SET STATISTICS

Number of Valid Samples	30
Number of Unique Samples	23
Minimum	9
Maximum	140
Mean	41.97333333
Median	33
Standard Deviation	28.85617048
Variance	832.6785747
Coefficient of Variation	0.687488179
Skewness	1.499690209
Mean of log data	3.517622013
Standard Deviation of log data	0.691220973
90% Non-parametric UCLs	
Standard Bootstrap UCL	48.49809996
95% Non-parametric UCLs	
Standard Bootstrap UCL	50.25791143

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.5 to 1.0 ft
Location:	L Street Southbound SR-99 Offramp

DATA SET STATISTICS

Number of Valid Samples	30
Number of Unique Samples	15
Minimum	2.5
Maximum	110
Mean	13.19666667
Median	5.25
Standard Deviation	22.869683
Variance	523.022402
Coefficient of Variation	1.732989
Skewness	3.175826
Mean of log data	1.814976
Standard Deviation of log data	1.090460
90% Non-parametric UCLs	
Standard Bootstrap UCL	18.45204157
95% Non-parametric UCLs	
Standard Bootstrap UCL	20.0751289

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.0 to 0.5 ft
Location:	I Street Southbound SR-99 Offramp

DATA SET STATISTICS

Number of Valid Samples	45
Number of Unique Samples	29
Minimum	19
Maximum	310
Mean	119.0444444
Median	100
Standard Deviation	66.15544901
Variance	4376.543434
Coefficient of Variation	0.555720591
Skewness	1.37916277
Mean of log data	4.636044979
Standard Deviation of log data	0.557886351
90% Non-parametric UCLs	
Standard Bootstrap UCL	131.3768637
95% Non-parametric UCLs	
Standard Bootstrap UCL	135.2750712

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.5 to 1.0 ft
Location:	I Street Southbound SR-99 Offramp

DATA SET STATISTICS

Number of Valid Samples	45
Number of Unique Samples	23
Minimum	2.5
Maximum	82
Mean	15.94888889
Median	5.4
Standard Deviation	20.289917
Variance	411.680737
Coefficient of Variation	1.272184
Skewness	1.746327
Mean of log data	2.032363
Standard Deviation of log data	1.216837
90% Non-parametric UCLs	
Standard Bootstrap UCL	19.75855823
95% Non-parametric UCLs	
Standard Bootstrap UCL	20.81558914

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.0 to 0.5 ft
Location:	Tuolumne Blvd. Southbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	37
Number of Unique Samples	33
Minimum	6.6
Maximum	140
Mean	48.74864865
Median	47
Standard Deviation	33.86743455
Variance	1147.003123
Coefficient of Variation	0.694735864
Skewness	0.824582961
Mean of log data	3.590053577
Standard Deviation of log data	0.855467155
90% Non-parametric UCLs	
Standard Bootstrap UCL	55.88532159
95% Non-parametric UCLs	
Standard Bootstrap UCL	57.81608212

DESCRIPTION OF DATA SET

Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	0.5 to 1.0 ft
Location:	Tuolumne Blvd. Southbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	37
Number of Unique Samples	13
Minimum	2.5
Maximum	37
Mean	5.445945946
Median	2.5
Standard Deviation	7.090784
Variance	50.279219
Coefficient of Variation	1.302030
Skewness	3.523834
Mean of log data	1.337224
Standard Deviation of log data	0.711173
90% Non-parametric UCLs	
Standard Bootstrap UCL	6.893407988
95% Non-parametric UCLs	
Standard Bootstrap UCL	7.370139938

DESCRIPTION OF DATA SET

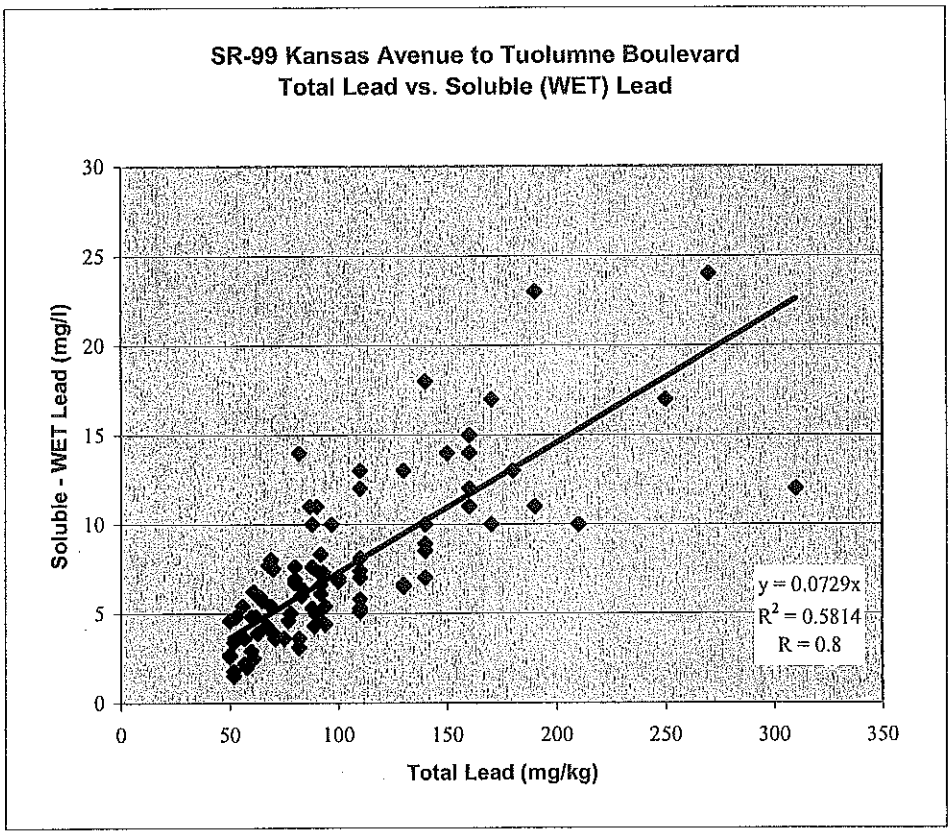
Project Name:	State Route 99 Kansas Ave. to Tuolumne Blvd.
Project No.:	S9200-06-72
Sample Interval:	1.5 to 2.0 ft
Location:	Tuolumne Blvd. Southbound SR-99 Onramp

DATA SET STATISTICS

Number of Valid Samples	37
Number of Unique Samples	4
Minimum	2.5
Maximum	26
Mean	3.408108108
Median	2.5
Standard Deviation	4.020736
Variance	16.166321
Coefficient of Variation	1.179756
Skewness	5.313809
Mean of log data	1.037041
Standard Deviation of log data	0.452644
90% Non-parametric UCLs	
Standard Bootstrap UCL	4.247861581
95% Non-parametric UCLs	
Standard Bootstrap UCL	4.504904671

State Route 99 Kansas Avenue to Tuolumne Boulevard
Project No. S9200-06-72

Sample ID	Total Lead (mg/kg)	WET Lead (mg/l)
IB18-0.5	52	0.78
NBK13-0.0	540	**13**
IB3-0.0	310	**8.0**
TB12-0.0	52	1.5
LB12-0.5	58	2.0
TB18-0.0	52	1.8
IB1-0.5	82	3.1
TB21-0.0	57	2.2
IB10-0.0	310	**12**
TB34-0.0	61	2.5
TB32-0.0	82	3.6
IB43-0.0	110	**5.1**
TB6-0.0	94	4.4
NBK11-0.5	210	**10**
IB38-0.0	75	3.6
IB28-0.0	110	**5.3**
IB37-0.0	89	4.3
IB5-0.0	60	2.9
IB30-0.0	93	4.5
IB24-0.0	130	**6.5**
IB31-0.0	140	**7.0**
IB39-0.5	71	3.6
TB31-0.0	130	**6.6**
TB20-0.0	50	2.6
LB28-0.5	110	**5.8**
TB37-0.0	50	2.7
IB33-0.0	90	4.9
TB5-0.0	70	3.9
IB22-0.0	94	**5.4**
IB27-0.0	190	**11**
IB35-0.0	170	**10**
NBK5-0.0	77	4.6
IB41-0.0	88	**5.3**
TB7-0.0	140	**8.5**
TB9-0.0	63	3.9
KB10-0.0	57	3.6
IB11-0.0	140	**8.9**
IB17-0.0	110	**7.0**
IB7-0.0	78	**5.0**
IB44-0.0	67	4.3
LB12-0.0	52	3.4
IB18-0.0	92	**6.1**
IB6-0.0	110	**7.4**
IB45-0.0	100	**6.8**
IB14-0.0	250	**17**
IB12-0.0	160	**11**
IB19-0.0	100	**7.0**



State Route 99 Kansas Avenue to Tuolumne Boulevard
Project No. S9200-06-72

Sample ID	Total Lead (mg/kg)	WET Lead (mg/l)
IB42-0.0	140	**10**
IB15-0.0	92	**6.6**
IB26-0.0	180	**13**
LB11-0.0	83	**6.0**
NBK7-0.0	110	**8.1**
IB16-0.0	84	**6.3**
NBK10-0.0	160	**12**
TB30-0.0	62	4.8
LB16-0.0	69	**5.4**
NBK10-0.5	93	**7.3**
NBK16-0.5	60	4.8
TB3-0.0	91	**7.3**
TB4-0.0	80	**6.7**
LB26-0.0	80	**6.9**
IB34-0.0	88	**7.6**
IB25-0.0	160	**14**
LB7-0.0	65	**5.7**
IB2-0.0	270	**24**
IB23-0.0	92	**8.3**
IB16-0.5	53	4.8
IB29-0.0	53	4.8
NBK13-0.5	50	4.6
LB22-0.0	64	**5.9**
NBK12-0.0	150	**14**
IB4-0.0	160	**15**
LB15-0.0	80	**7.6**
IB5-0.5	56	**5.4**
IB9-0.0	130	**13**
IB36-0.0	170	**17**
LB24-0.0	61	**6.2**
NBK11-0.0	97	**10**
NBK14-0.5	70	**7.5**
NBK15-0.0	110	**12**
NBK14-0.0	68	**7.7**
IB13-0.0	88	**10**
NBK8-0.0	69	**8.0**
IB8-0.0	110	**13**
NBK16-0.0	190	**23**
TB2-0.0	90	**11**
TB1-0.0	87	**11**
LB3-0.0	140	**18**
IB32-0.0	82	**14**