SITE INVESTIGATION REPORT
LEAD INVESTIGATION
FROM VIA DE LA VALLE
TO LEUCADIA BOULEVARD

Interstate 5 North Coast Corridor Project
SAN DIEGO COUNTY, CALIFORNIA
DISTRICT 11-SD-5 (PM R28.4/R55.4)
EA 235800 (P ID 11-000-0159)

JUNE 2001

GEOCON

CONSULTANTS, INC.

ENVIRONMENTAL
GEOTECHNICAL
MATERIALS

SITE INVESTIGATION REPORT

LEAD INVESTIGATION ON THE ROUTE 5, FROM VIA DE LA VALLE TO LEUCADIA BOULEVARD SAN DIEGO, SOLANA BEACH, AND ENCINITAS, CALIFORNIA KP: R57.9/R68.7; PM: R36.0/R42.7 CONTRACT 43A0012 TASK ORDER NO. 11-07980K-VY

PREPARED BY

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PREPARED FOR

CALIFORNIA DEPARTMENT
OF TRANSPORTATION
DISTRICT 11
SAN DIEGO, CALIFORNIA

JUNE 22, 2001

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CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS

Project No. 08900-06-107
Task Order No. 11-07980K-VY
June 22, 2001

Mr. Joel Kloth, RG
California Department of Transportation
District 11
2829 Juan Street
San Diego, California 92110

Subject: SITE INVESTIGATION REPORT
LEAD INVESTIGATION ON THE ROUTE 5,
FROM VIA DE LA VALLE TO LEUCADIA BOULEVARD,
SAN DIEGO, SOLANA BEACH, AND ENCINITAS, CALIFORNIA
KP: R57.9/R68.7; PM: R36.0/R42.7
CONTRACT NO. 43A0012
TASK ORDER NO. 11-07980K-VY

Dear Mr. Kloth:

In accordance with Caltrans Contract No. 43A0012 and Task Order No. 11-07980K-VY dated March 14, 2001, Geocon Consultants, Inc. has performed has performed site assessment activities on the exposed soil along the shoulders of the above-referenced site. The accompanying report summarizes the services performed, including the advancement of hand auger borings, limited soil sampling, laboratory analyses, and statistical analyses. Please call us if you have any questions regarding this report.

Sincerely,

GEOCON CONSULTANTS, INC.

REGISTERED GEOLOGIST
RONALD J KOFRON
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(5) Addressee

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I. EXECUTIVE SUMMARY

Geocon Consultants, Inc. (Geocon) has performed site assessment activities on the exposed soil on the shoulders and median of Route 5 from approximately 0.4 kilometers south of Via De La Valle, in San Diego to 0.4 kilometers north of Leucadia Boulevard, in Encinitas, California. Caltrans proposes to widen the highway along the site.

The investigation was performed to evaluate the presence of aerially deposited lead (ADL) due to the historical combustion of leaded fuels from freeway traffic. Data from the investigation was used to evaluate the potential disposal considerations for soil excavated at the site during the proposed construction, and to inform Caltrans of potential health and safety issues concerning the presence of lead in soil for workers at the site during construction activities. Soil samples collected from the site were subsequently analyzed for total lead, soil pH, soluble lead using the Waste Extraction Test (WET) method using citric acid as the extractant, and soluble lead using a modified WET method using deionized water (WET-DI) as the extractant.

A review of the mean versus the variance of the data indicates that the total lead data set is not normally distributed and normality may be achieved using an arcsine transformation. After initial review and removal of six data outliers, the calculated correlation coefficient between total lead and soluble lead was 0.828.

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 meters (m) of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC lead variance for Caltrans dated September 22, 2000.

The laboratory analytical results and statistical analyses indicated that the upper 0.60 m of the soil excavated from the site could potentially be classified as a hazardous waste according to Title 22 of the California Code of Regulations (CCR).

Geocon recommends that Caltrans notify the contractors performing the construction activities that hazardous concentrations of lead may be present in on-site soil and that appropriate health and safety measures should be taken to minimize the exposure to lead.

SITE INVESTIGATION REPORT

1. INTRODUCTION

1.1 Project Description and Objectives

Geocon performed site assessment activities on the exposed soil on the shoulders and center median of Route 5 from approximately 0.4 kilometers south of Via De La Valle, in San Diego to 0.4 kilometers north of Leucadia Boulevard, in Encinitas, California (Figure 1). The objective of the site assessment was to evaluate soil at the site for the presence of aerially deposited lead resulting from the historical combustion of leaded fuels from freeway traffic. The information obtained from the limited soil sampling and laboratory testing was used to allow Caltrans to separate non-hazardous soil from potentially hazardous soil to reduce disposal costs. The data was also used to inform Caltrans of potential health and safety issues for workers at the site during construction activities. Caltrans proposes to widen the highway along the site.

1.2 Scope of Work

Geocon performed the following tasks:

1.2.1 Pre-field Activities

- Prepared a Health and Safety Plan dated March 19, 2001, for the proposed activities. The Health and Safety Plan included guidelines for the use of personal protective equipment for Geocon employees during the field activities.
- Attended a task order meeting on March 21, 2001, to discuss issues such as field methods, boring locations, health and safety measures, and the completion schedule.
- Contacted Underground Service Alert (USA) to notify utility companies of the field activities. Geocon was provided with USA Ticket Numbers 428051, 428085, 428097, 428111, 428140, 428159, 428167, and 428182.

1.2.2 Limited Soil Sampling

A 7.62-centimeter (cm) diameter hand auger was used to collect 315 soil samples from 112 boring locations between March 26 and April 25, 2001, at the locations shown on Figure 2. Two boring locations were inadvertently given the same sample number (B80). The samples were positively identified by the sample date. For soil borings drilled along the highway shoulders, odd-numbered borings were drilled approximately 1 to 2 m from the edge of the pavement and even-numbered borings were drilled approximately 3 to 4 m from the edge of pavement. Soil borings were drilled to a maximum depth of 0.6 m below grade, and soil samples were collected at the surface to 0.15 m, 0.3 m

to 0.45 m, and 0.45 to 0.6 m. The borings were backfilled with the soil cuttings generated from the sampling activities.

1.2.3 Laboratory Analyses

Geocon submitted the soil samples to a California Department of Health Services (CDOHS)-certified analytical laboratory. The soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010. Soil samples exhibiting total lead concentrations between 50 milligrams per kilogram (mg/kg) and 1,000 mg/kg were analyzed for soluble lead using the WET-Citric method. In addition, ten percent of the soil samples were analyzed for soil pH following EPA Test Method 9045. Soil samples exhibiting WET-Citric concentrations greater than 5 milligrams per liter (mg/l) were analyzed for soluble lead using the WET-DI method.

1.2.4 GPS Survey

Each boring location was recorded using a Global Positioning Satellite (GPS) system. Data was recorded using the Starlink™ receiver system with the IMAP™ software package using State Plane 83 coordinates. The raw data in text format, Arcview™ Shape file format, and IMap™ UDF file format was provided to Caltrans on 3.5" floppy disk.

1.2.5 Report Preparation

This report was prepared as outlined in Contract No. 43A0012 and in TO No. 11-07980K-VY summarizing the results of the site investigation activities requested by Caltrans.

1.3 Previous Site Investigations

Geocon is not aware of other site investigations performed in the vicinity of the site.

2. INVESTIGATIVE METHODS

2.1 Field Methods

The field methods used by Geocon to complete this TO are outlined in the following Geocon Standard Operating Procedures (SOPs) presented as Appendix A:

SOP No. 11: Hand-Augering and Soil Sample Collection
SOP No. 31: Soil Sample Handling Procedures

2.2 Deviations from Work Plan

Geocon performed the project substantially as described in the task order.

3. INVESTIGATIVE RESULTS AND FIELD OBSERVATIONS

3.1 Site Conditions

The soils encountered at the site generally excavated as dry, brown, sand with silt to the maximum depth of exploration. Groundwater was not encountered in any of the borings.

3.2 Analytical Laboratory Results

A summary of the results of the laboratory analyses is presented in Table I. Reproductions of the laboratory reports and chain-of-custody documentation are presented as Appendix B.

3.2.1 Total Lead

A total of 315 soil samples were analyzed for total lead. Total lead concentrations ranged from below the laboratory's detection limit to 2,128 mg/kg.

3.2.2 Soluble Lead – WET-Citric

Eighty-four soil samples exhibiting total lead concentrations between 50 and 1,000 mg/kg were analyzed for soluble lead by the WET method using citric acid as the extractant. Concentrations of soluble lead by the WET-Citric method ranged from 2.2 mg/l to 180 mg/l.

3.2.3 Soluble Lead – WET-DI

Eighty-one soil samples exhibiting WET-Citric concentrations greater than 5 mg/l were analyzed for soluble lead using the WET-DI method. Concentrations of soluble lead by the WET-DI method ranged from below the laboratory's detection limit of 0.15 mg/l to 31 mg/l.

3.2.4 Soil pH

Thirty-six soil samples were analyzed for soil pH, and the values ranged from 3.9 to 9.1.

3.3 Data Validation

Prior to submitting the soil samples to the laboratory, the chain-of-custody documentation was reviewed for accuracy and completeness. The laboratory reports were reviewed for accuracy and consistency with chain-of-custody documentation. The matrix-spikes and duplicates were reviewed to ensure the laboratory results were within tolerance control limits. Based upon this validation process, the data quality is adequate for the purposes of this report.

4. STATISTICAL DATA EVALUATION

The analytical laboratory results from the boring locations were evaluated statistically to examine the appropriate method of reuse or off-site disposal of the soil. Statistical methods were applied to the lead data set collected adjacent to the site to evaluate: 1) the total lead data population distribution (by comparison of the mean and the variance); 2) the upper one-sided confidence limits (UCLs) on the true means of the total lead concentrations for three different soil excavation scenarios; and 3) if an acceptable correlation between total and soluble lead concentrations exists that would allow the prediction of soluble lead concentrations based on calculated UCLs.

4.1 Population Distribution

A test for population distribution is necessary to apply the appropriate methods when calculating the UCLs on the true total lead means. When evaluating the distribution of total lead concentrations, all total lead data were treated as one data set. In accordance with *Chapter Nine, SW-846, 3rd Edition, U.S. Environmental Protection Agency, 1986)*, distribution was examined by comparing the mean versus the variance of the total lead data sets. If the mean was greater than the variance, the data set was assumed to be normally distributed and transformation was not performed. If the mean was less than the variance, the data set was transformed using a log-normal, arcsine, and square-root conversion until the converted data set mean was greater than the variance.

4.2 Calculating the Upper Confidence Limits for the True Mean

Statistical confidence limits are the classical tool for addressing uncertainties of a distribution mean. The upper one-sided 80% and 95% UCLs of the true mean are defined as the values that, when calculated repeatedly for randomly drawn subsets of data, equal or exceed the true mean 80% and 95% of the time, respectively. The UCLs of the true mean concentration are used as the mean concentrations because it is not possible to know the true mean. 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.

According to a Caltrans document dated January 20, 1997 (see Contract 43A0012), an 80% UCL is satisfactory if the soil is to be reused and a 95% UCL should be used if soil is to be used off-site or relinquished to a contractor. The following statistical equation (from *Chapter Nine, SW-846)* was used to calculate the UCL:

$$UCL = \bar{x} + t_p \frac{S}{\sqrt{n}}$$

Where:
$\bar{x}$ = sample mean
t_p = student's t for a two-tailed confidence interval and a probability of p
S = standard deviation
n = number of samples

For the purpose of this investigation, the samples were assumed to be collected using systematic random sampling. *Chapter Nine of SW-846* indicates that if the data set is not normally distributed, the data should be transformed, and statistical evaluations should be performed on the transformed scale. Examination of the data indicated that the mean was less than the variance for the non-transformed, log-normal transformed, and square-root transformed data, while the mean was greater than the variance for the arcsine transformed data. Therefore, UCLs were calculated for both non-transformed (normally distributed) and arcsine transformed data sets. The arcsine transformation was accomplished by dividing each total lead result by the maximum concentration (this results in a data set of all numbers falling between 0 and 1), then calculating the arcsine of the quotient. $(y_i = arcsine(x_i/x_{max}))$, performing the statistical calculations on the transformed data, and then re-converting the result back to the original scale $(z_i = x_{max} \sin y_i)$.

Since the total lead concentrations typically decrease with depth, different soil excavation scenarios were considered and hence, different UCLs were calculated. First, the data were divided into the following data sets:

- Total lead concentrations for soil samples collected from 0 to 0.15 meters (Data Set A);
- Total lead concentrations for soil samples collected from 0.15 to 0.30 meters (Data Set B); and
- Total lead concentrations for soil samples collected from 0.30 to 0.60 meters (Data Set C).

Utilizing the data sets above, the following UCLs for the true means were calculated.

- UCL for the top 0.15 m of soil (Data Set A) and the UCL for the underlying soil (Data Sets B and C);

- UCL for the top 0.30 m of soil (Data Sets A and B) and the UCL for the underlying soil (Data Set C); and
- UCL for the entire 0.60 m soil column (Data Sets A, B, and C).

The UCLs and corresponding soil mixing scenarios are shown in the Block Diagrams presented as a portion of Appendix C.

4.3 Data Correlation

A test for data correlation is necessary to indicate the validity of the predicted soluble lead concentrations. According to the referenced Caltrans letter, there should be a correlation coefficient ("r") of 0.8 or greater between total lead and WET lead analytical results. When evaluating the correlation coefficient of total lead versus soluble lead concentrations, all data were treated as one data set. The correlation coefficient was calculated in accordance with the referenced Caltrans guidance document, and a best-fit straight line was plotted for the total lead versus soluble lead concentrations using the following formula:

$$\text{slope} = \frac{\text{"r" x (standard deviation of the total lead results)}}{\text{(standard deviation of the soluble lead results)}}$$

5. CONCLUSIONS

A review of the data set mean versus variance indicated that the total lead data set is not normally distributed, and an arcsine conversion is appropriate. The maximum 80% arcsine transformed total lead UCL, total lead and predicted WET-Citric concentrations were 416.35 mg/kg and 32.79 mg/l, respectively, for the surface to 0.15 m interval. After removing six outlier data points, The calculated correlation factor between total lead concentrations and WET lead concentrations was 0.828, indicating satisfactory data correlation. A regression analysis chart of total lead vs. soluble lead, and UCLs with corresponding soil mixing scenarios shown in block diagrams are presented as a portion of Appendix C.

As with the laboratory analytical results and statistical analyses, separate conclusions regarding Caltrans right-of-way reuse and waste characterization were developed. These conclusions were based upon comparison of the data sets to the DTSC variance guidelines and CCR Title 22, and are presented below:

Based upon the guidelines of the DTSC Lead Variance, statistical analysis using the 80% arcsine transformed UCLs and WET-DI analytical results of the soil samples analyzed, if excavated separately,

upper 0.15 meters of soil from the site is not suitable for re-use. Underlying soil to a depth of 0.6 m is suitable for re-use.

The laboratory analytical results and statistical analyses indicated that based upon the 95% arcsine transformed mean total lead concentration and the predicted WET-Citric lead concentrations, the upper 0.6 meters of the soil excavated from the site could potentially be classified as a hazardous waste according to Title 22 of the CCR.

6. RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

Geocon recommends that if the upper 0.6 meters of soil along the site is to be disposed, it should be handled as a hazardous material with respect to lead concentrations.

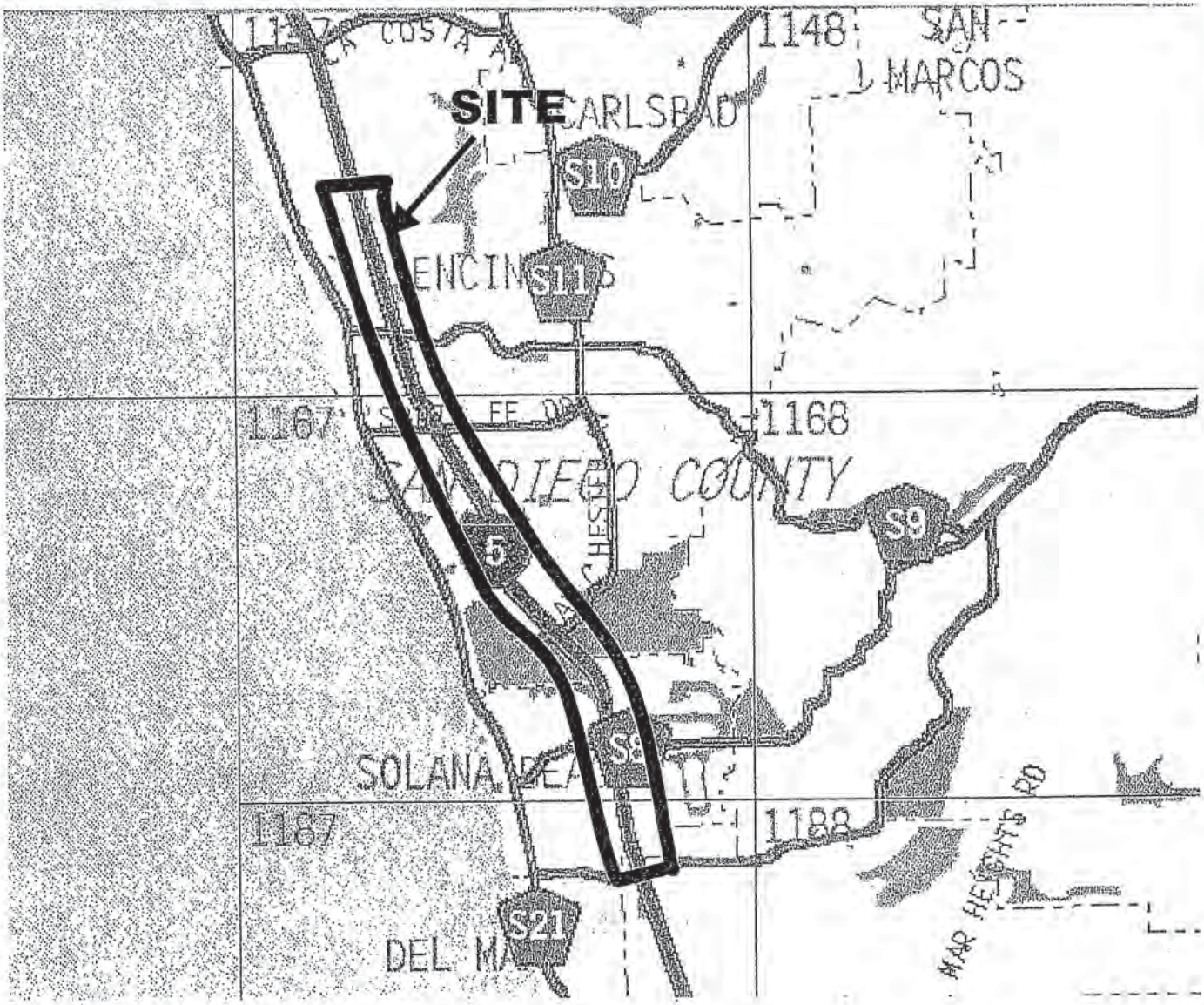
Geocon recommends that Caltrans notify the contractors performing the construction activities that hazardous concentrations of lead may be present in on-site soil and that appropriate health and safety measures should be taken to minimize the exposure to lead.

7. REPORT LIMITATIONS

This report has been prepared exclusively for Caltrans. The information obtained is only relevant as of the date of the latest site visit. The information contained herein is only valid as of the date of the report, and will require an update to reflect additional information obtained.

The Client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The appropriate regulatory agency may require additional investigations. The findings and conclusions as presented in this report are predicated on the results of the limited soil sampling and laboratory analyses 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 only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the report is implied within the intent of this report or any subsequent reports, correspondence, or consultation, either express or implied. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.



SOURCE: 2001 THOMAS BROTHERS MAP
SAN DIEGO COUNTY, CALIFORNIA

N
No Scale

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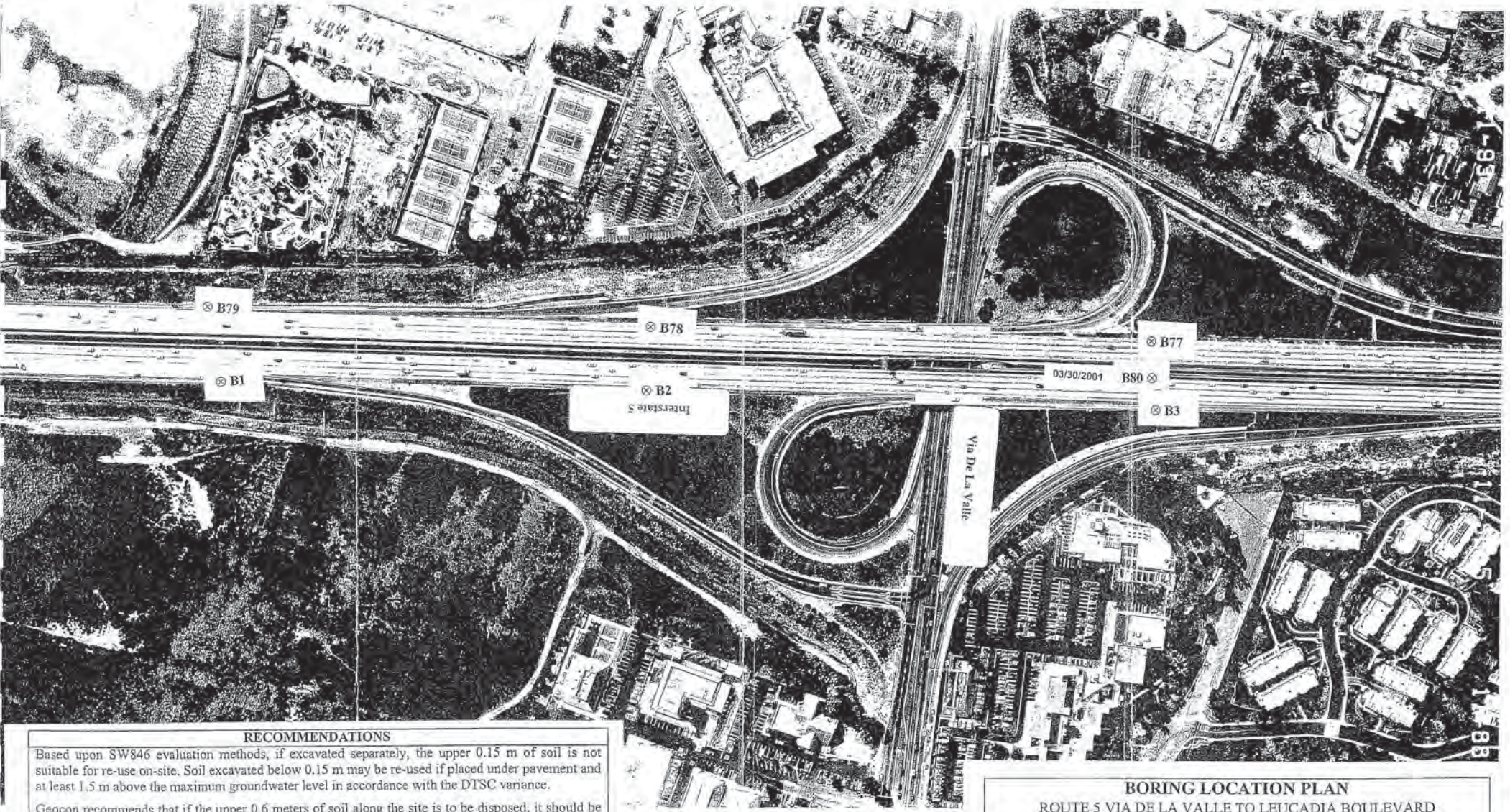
RCO/SC	VM-Rt 5 VDLV to Leucadia-107-052401

VICINITY MAP

ROUTE 5, VIA DE LA VALLE TO LEUCADIA BOULEVARD SAN DIEGO, SOLANA BEACH, AND ENCINITAS, CALIFORNIA

DATE 6-22-2001	PROJECT NO. 08900-06-107	FIG. 1



RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

Geocon recommends that if the upper 0.6 meters of soil along the site is to be disposed, it should be handled as a hazardous material with respect to lead concentrations.

Geocon recommends that Caltrans notify the contractors performing the construction activities that hazardous concentrations of lead may be present in on-site soil and that appropriate health and safety measures should be taken to minimize the exposure to lead.

BORING LOCATION PLAN

ROUTE 5 VIA DE LA VALLE TO LEUCADIA BOULEVARD

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PROJECT NO. 08900-06-107
FIGURE 2, PLATE 1
DATE: 6-22-2001

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PROJECT NO. 08900-06-107
FIGURE 2, PLATE 2
DATE: 6-22-2001

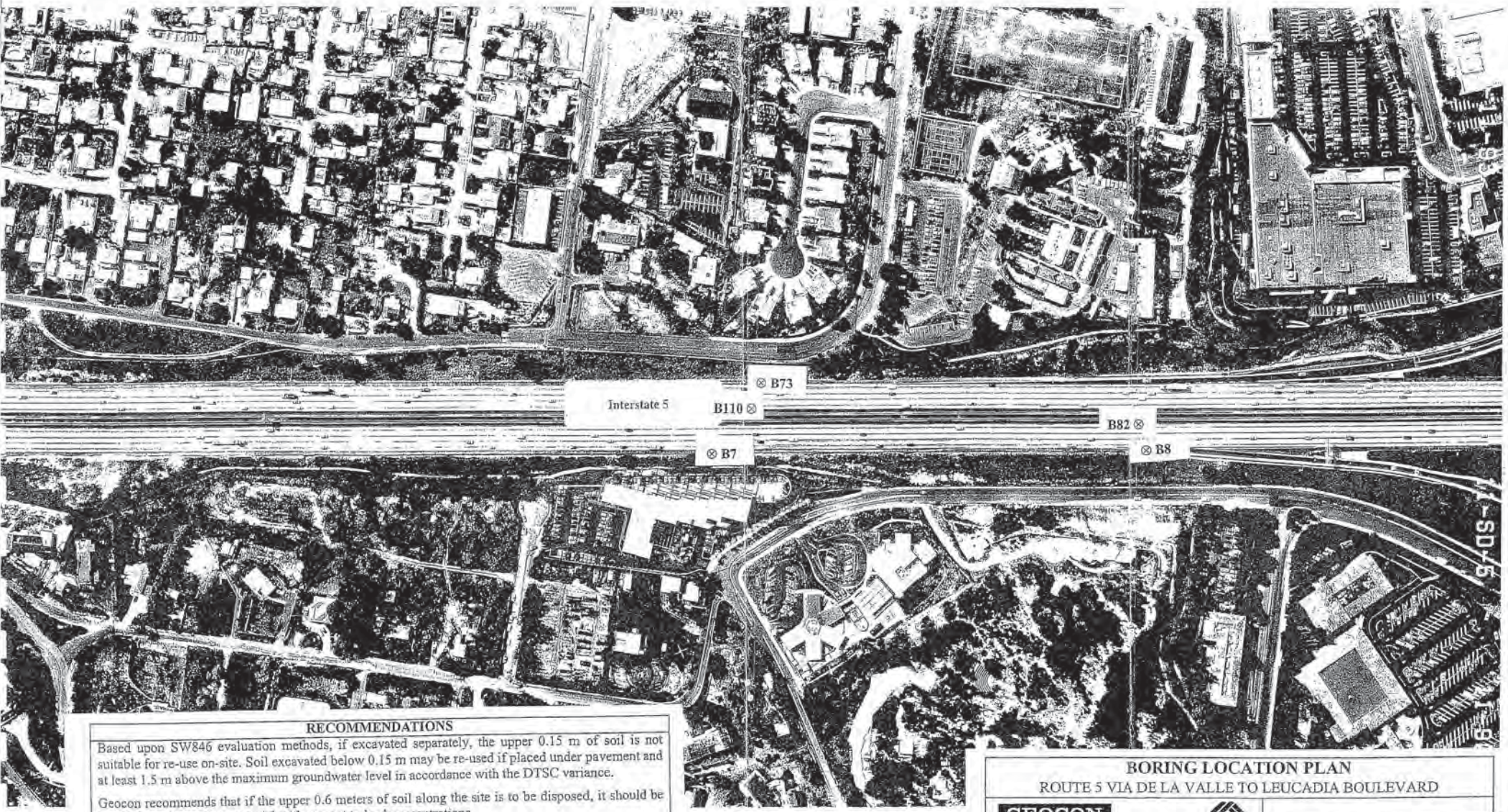

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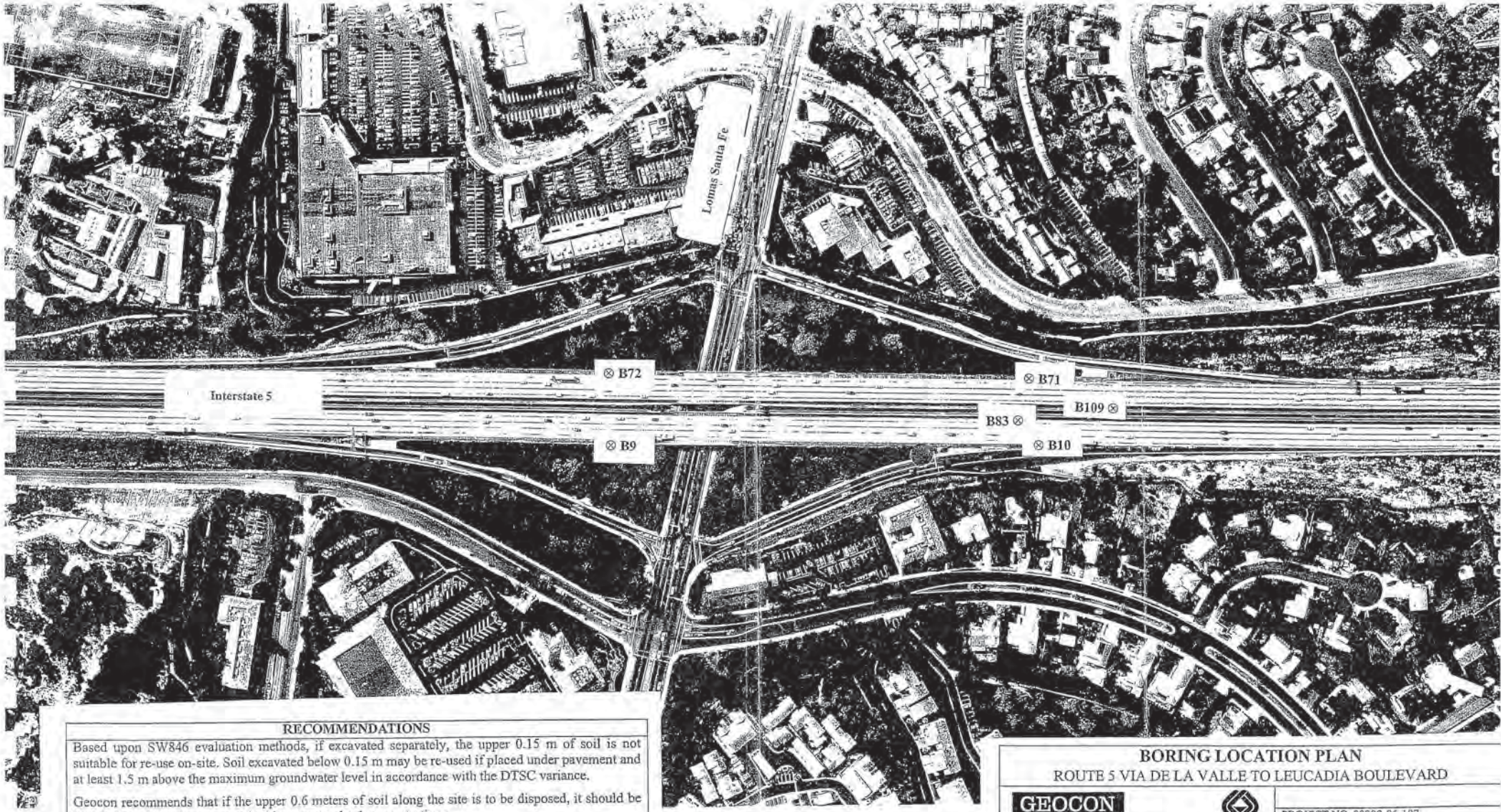
FIGURE 2, PLATE 3

DATE: 6-22-2001



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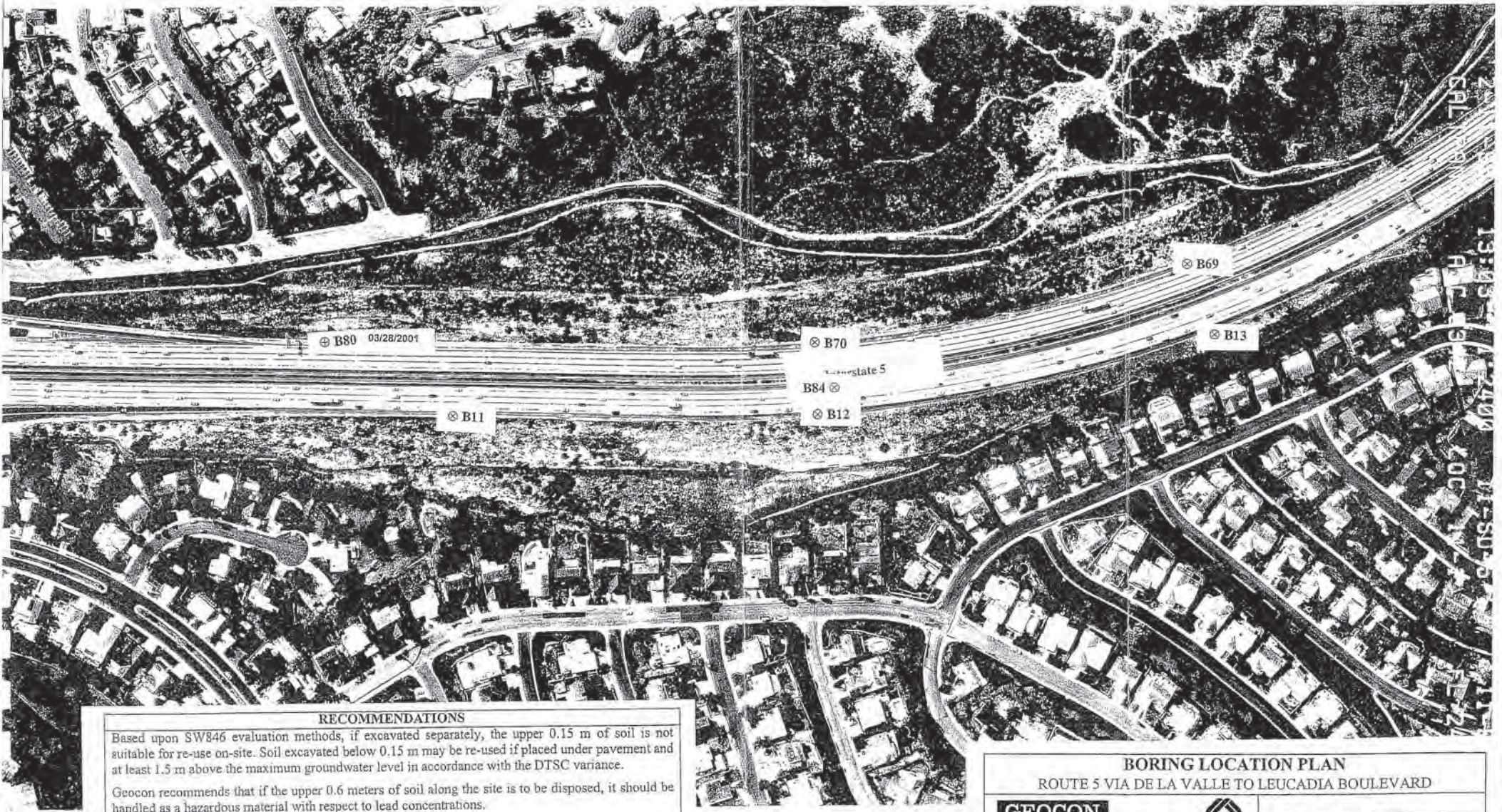
PROJECT NO. 08900-06-107
FIGURE 2, PLATE 4
DATE: 6-22-2001



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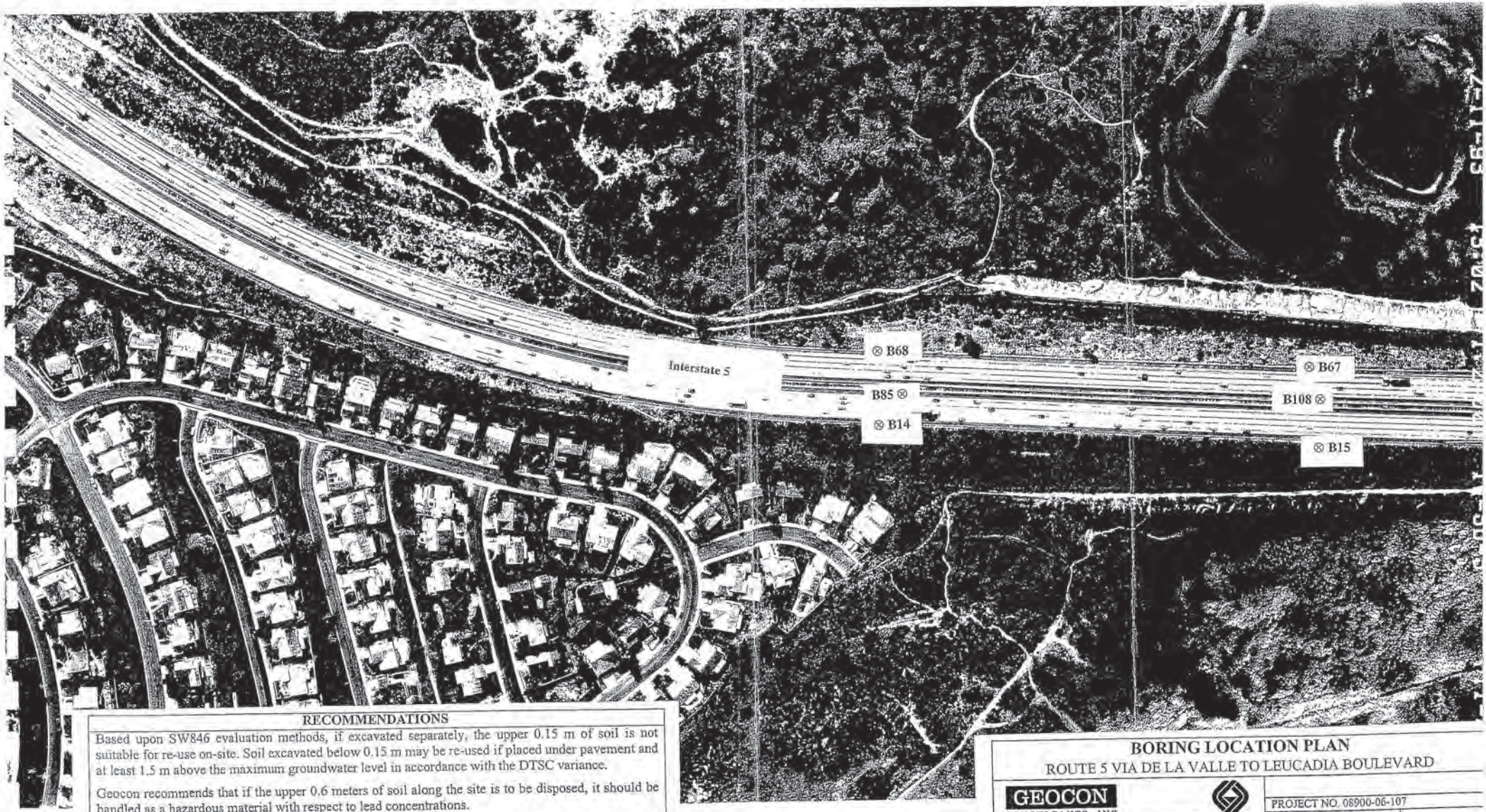
PROJECT NO. 08900-06-107
FIGURE 2, PLATE 5
DATE: 6-22-2001



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PROJECT NO. 08900-06-107
FIGURE 2, PLATE 6
DATE: 6-22-2001

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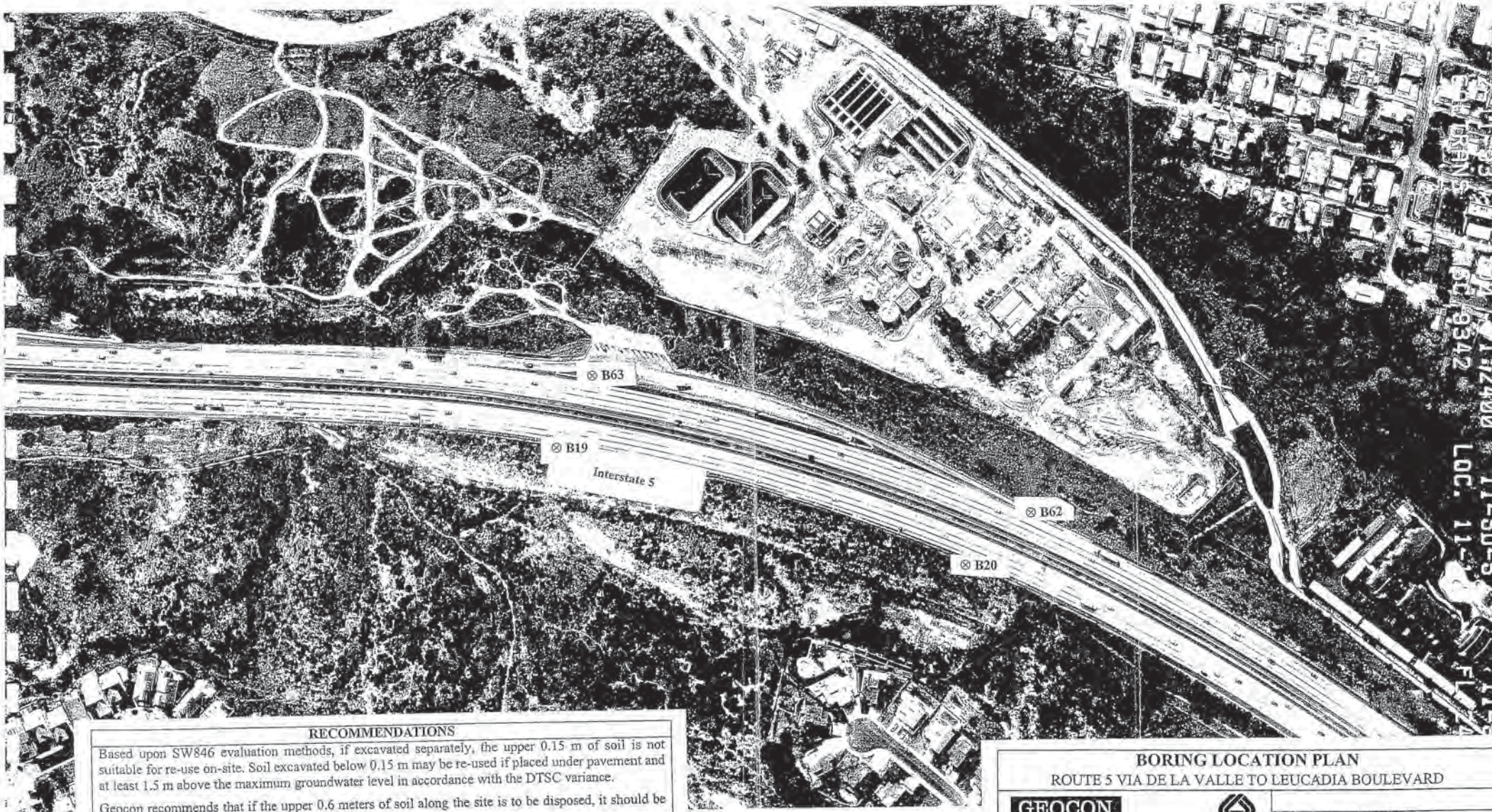
FIGURE 2, PLATE 7
DATE: 6-22-2001



RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

Geocon recommends that if the upper 0.6 meters of soil along the site is to be disposed, it should be handled as a hazardous material with respect to lead concentrations.

Geocon recommends that Caltrans notify the contractors performing the construction activities that hazardous concentrations of lead may be present in on-site soil and that appropriate health and safety measures should be taken to minimize the exposure to lead.

BORING LOCATION PLAN

ROUTE 5 VIA DE LA VALLE TO LEUCADIA BOULEVARD

GEOCON
CONSULTANTS, INC
ENVIRONMENTAL • GEOTECHNICAL • MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858.558.6100 - FAX 858.558.6437

PROJECT NO. 08900-06-107
FIGURE 2, PLATE 8
DATE: 6-22-2001

RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

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BORING LOCATION PLAN

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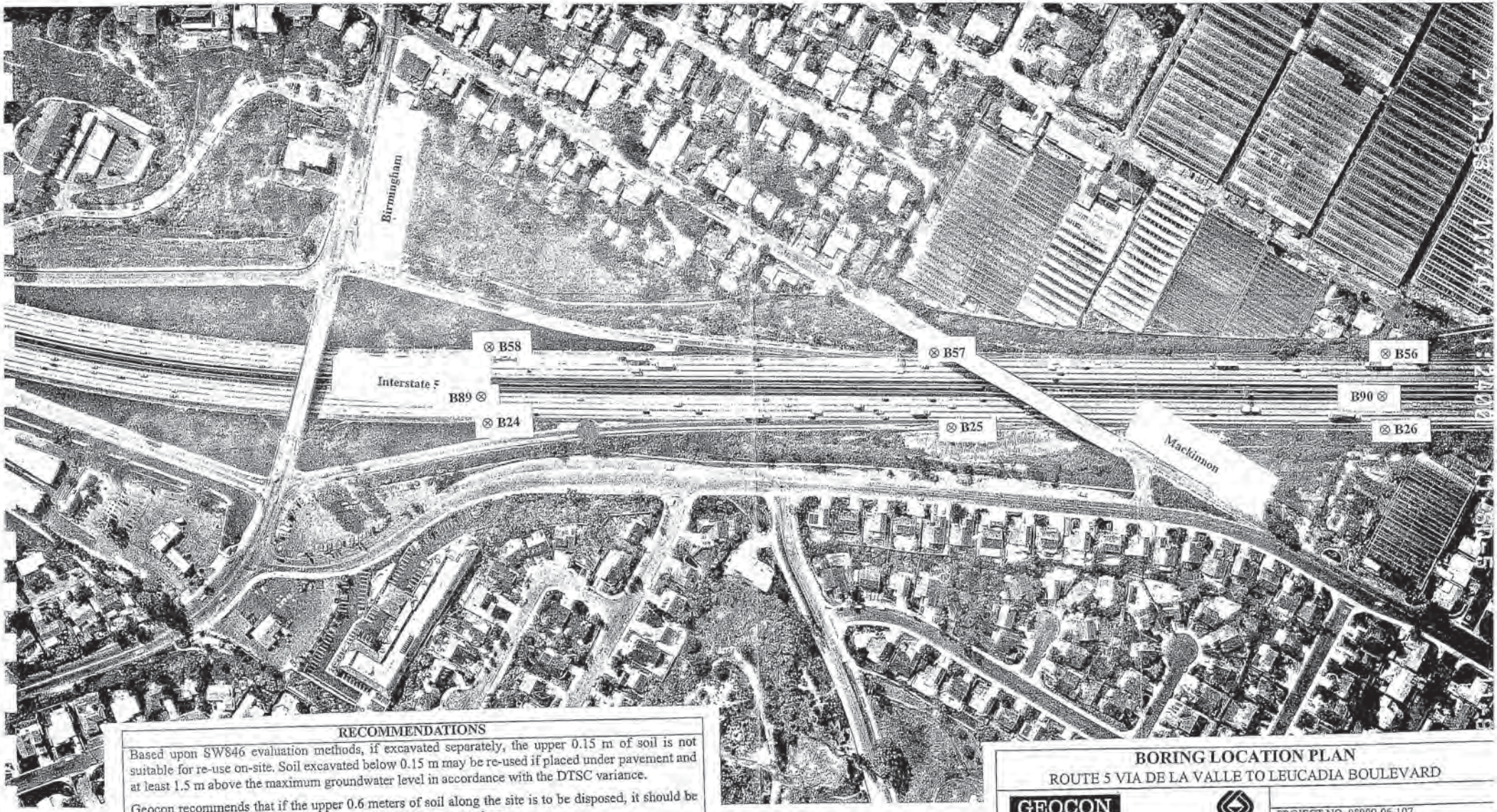
PROJECT NO. 08900-06-107
FIGURE 2, PLATE 9
DATE: 6-22-2001



RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

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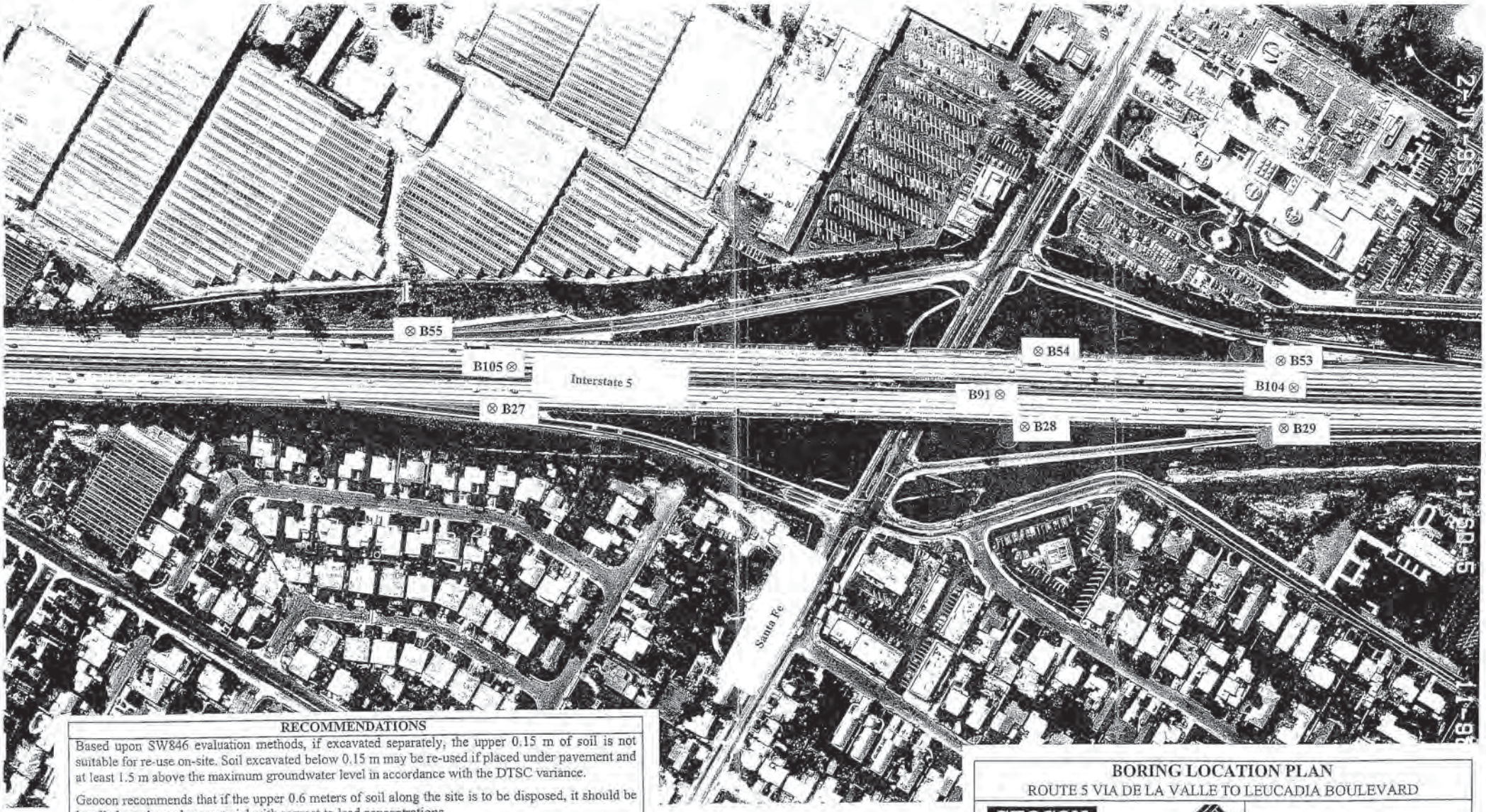
PROJECT NO. 08900-06-107
FIGURE 2, PLATE 10
DATE: 6-22-2001



RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

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BORING LOCATION PLAN

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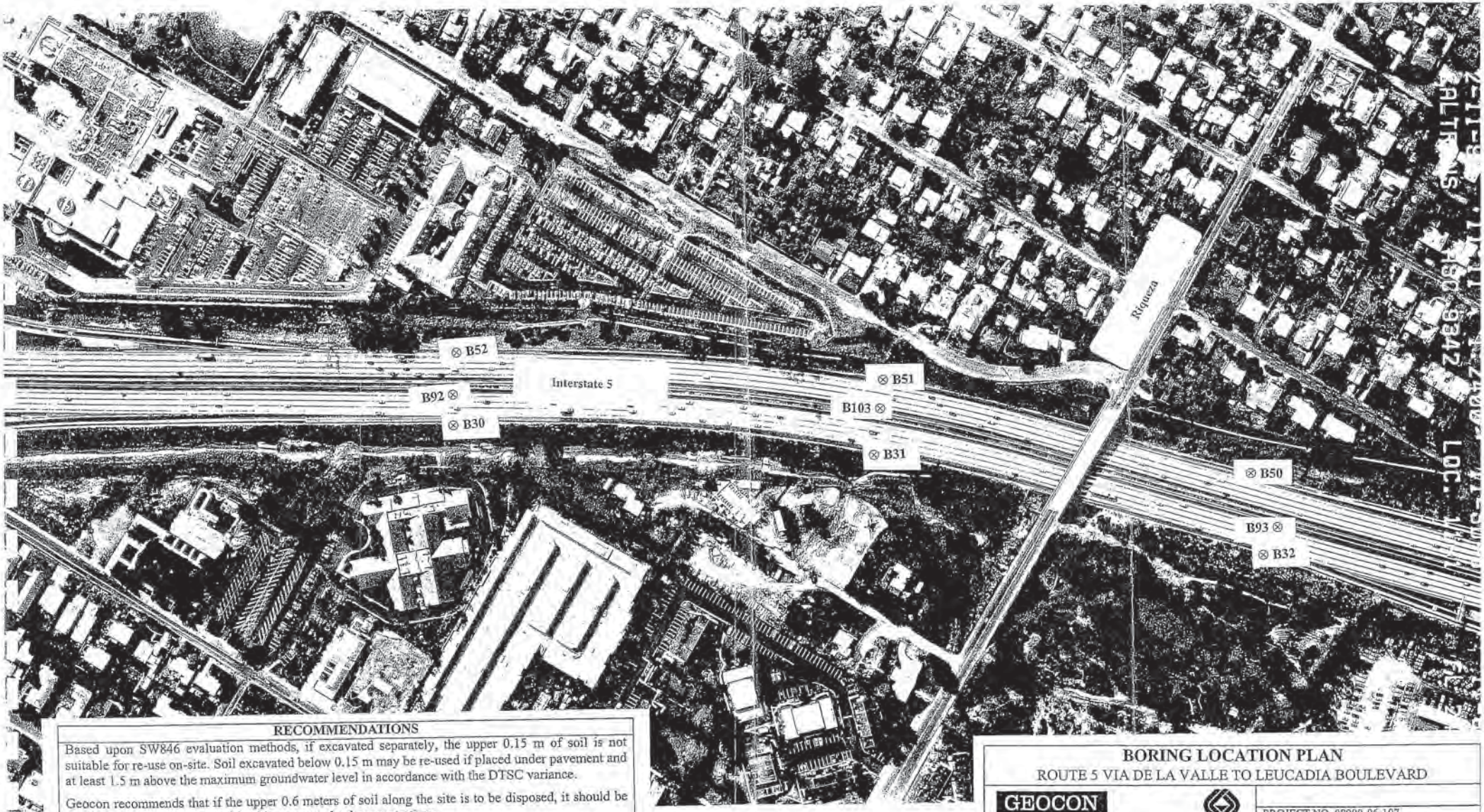
PROJECT NO. 08900-06-107
FIGURE 2, PLATE 11
DATE: 6-22-2001



RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

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BORING LOCATION PLAN

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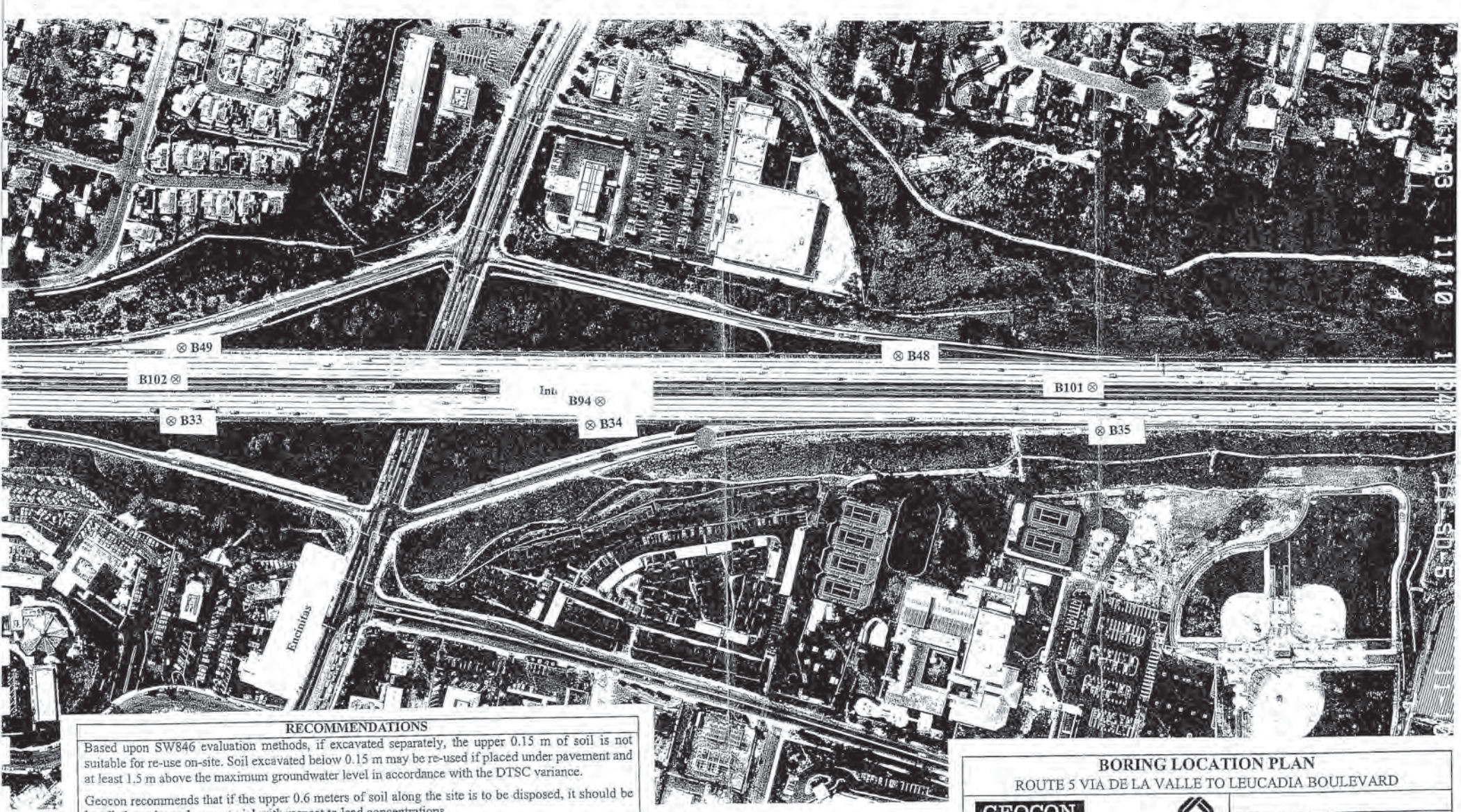
PROJECT NO. 08900-06-107

FIGURE 2, PLATE 12

DATE: 6-22-2001



RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

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BORING LOCATION PLAN

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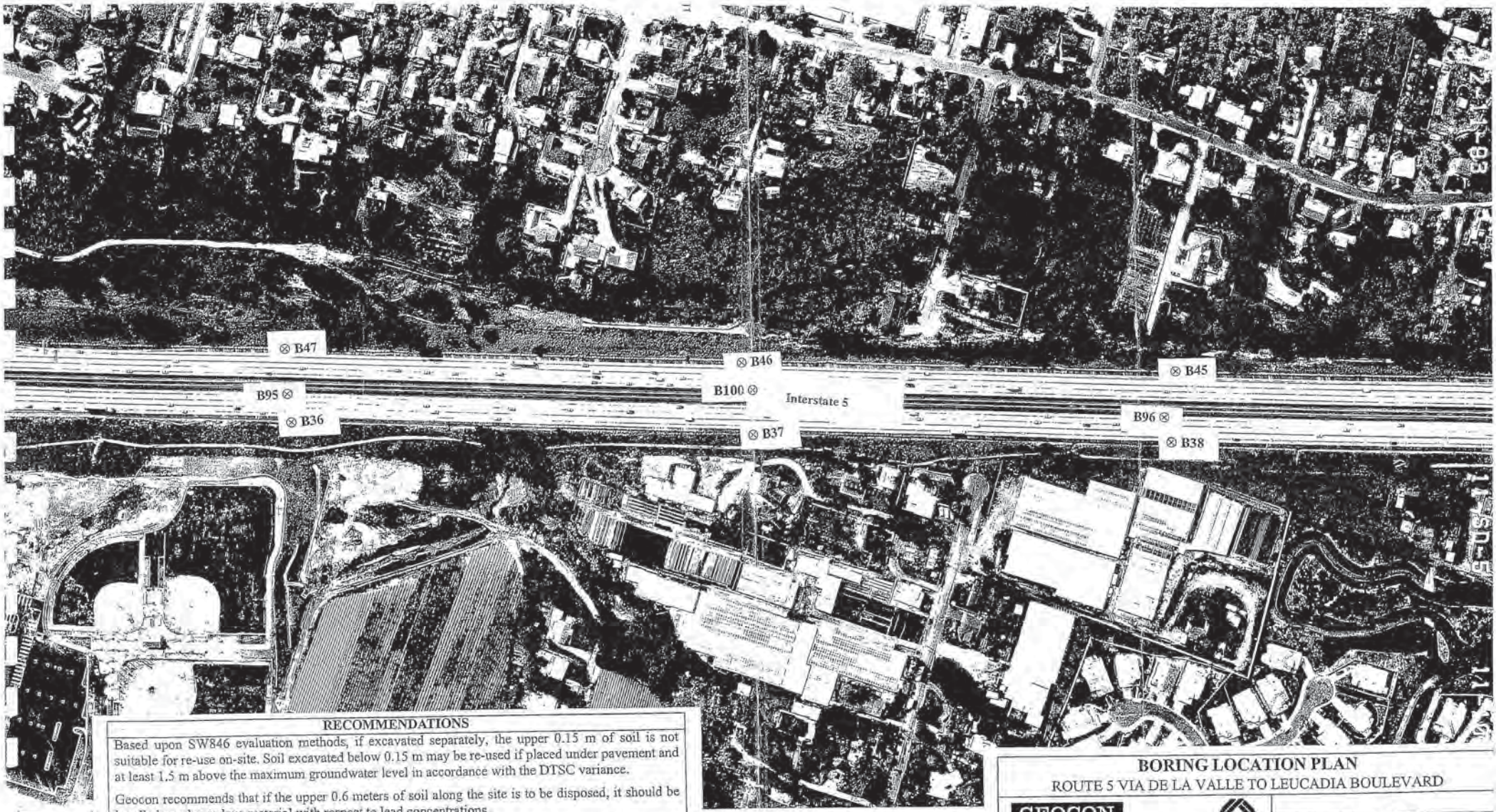
PROJECT NO. 08900-06-107
FIGURE 2, PLATE 13
DATE: 6-22-2001



RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

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BORING LOCATION PLAN

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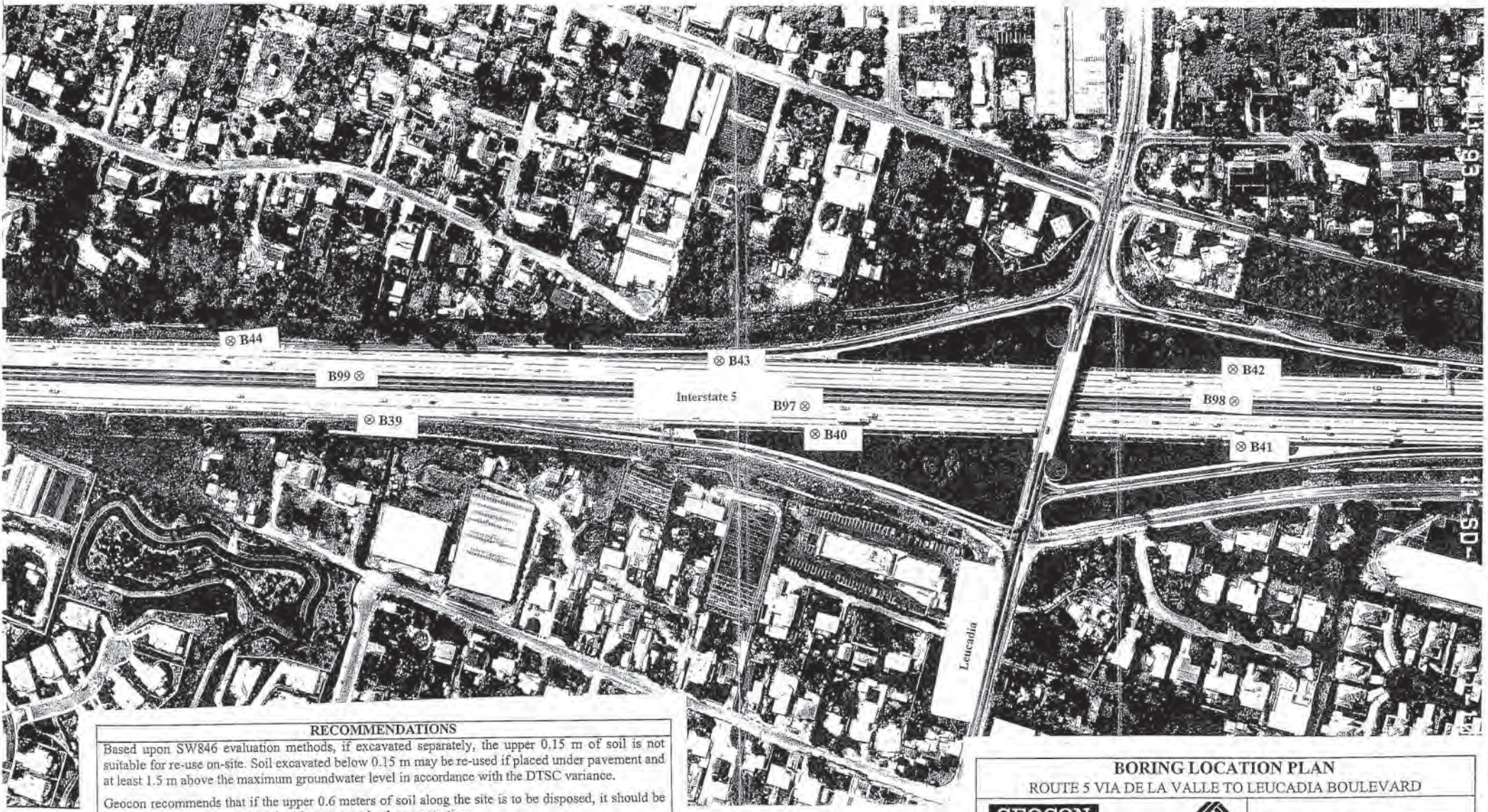
PROJECT NO. 08900-06-107
FIGURE 2, PLATE 14
DATE: 6-22-2001



RECOMMENDATIONS

Based upon SW846 evaluation methods, if excavated separately, the upper 0.15 m of soil is not suitable for re-use on-site. Soil excavated below 0.15 m may be re-used if placed under pavement and at least 1.5 m above the maximum groundwater level in accordance with the DTSC variance.

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BORING LOCATION PLAN

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PROJECT NO. 08900-06-107
FIGURE 2, PLATE 15
DATE: 6-22-2001

TABLE I
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B1-S	0.15	39	---	---	7.9
B1-1	0.3	9.0	---	---	---
B1-2	0.6	3.0	---	---	---
B2-S	0.15	1123	---	---	---
B2-1	0.3	10	---	---	---
B2-2	0.6	7.0	---	---	---
B3-S	0.15	1848	---	---	---
B3-1	0.3	27	---	---	---
B4-S	0.15	61	2.7	---	---
B4-1	0.3	52	2.2	---	---
B5-S	0.15	ND	---	---	5.6
B5-1	0.3	ND	---	---	---
B5-2	0.6	3.0	---	---	---
B6-S	0.15	401	30	0.22	---
B6-1	0.3	10	---	---	---
B6-2	0.6	5.0	---	---	---
B7-S	0.15	321	23	0.31	---
B7-1	0.3	6.0	---	---	---
B7-2	0.6	3.0	---	---	---
B8-S	0.15	166	16	0.61	---
B8-1	0.3	7.0	---	---	---
B8-2	0.6	ND	---	---	9.1
B9-S	0.15	998	54	0.47	---
B9-1	0.3	34	---	---	---
B9-2	0.6	18	---	---	---
B10-S	0.15	285	13	0.48	---
B10-1	0.3	8.0	---	---	---
B10-2	0.6	ND	---	---	---
B11-S	0.15	105	7.7	0.35	---
B11-1	0.3	ND	---	---	---
B11-2	0.6	4.0	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B12-S	0.15	12	---	---	---
B12-1	0.3	9.0	---	---	5.3
B13-S	0.15	27	---	---	---
B13-1	0.3	6.0	---	---	---
B13-2	0.6	3.0	---	---	---
B14-S	0.15	504	57	1.6	---
B14-1	0.3	23	---	---	---
B14-2	0.6	4.0	---	---	---
B15-S	0.15	50	---	0.27	7.6
B15-1	0.3	ND	---	---	---
B15-2	0.6	ND	---	---	---
B16-S	0.15	1074	---	---	---
B16-1	0.3	ND	---	---	8.1
B16-2	0.6	ND	---	---	---
B17-S	0.15	8.0	---	---	---
B17-1	0.3	ND	---	---	---
B17-2	0.6	ND	---	---	---
B18-S	0.15	44	---	---	---
B18-1	0.3	5.0	---	---	---
B19-S	0.15	112	6.6	0.16	---
B19-1	0.3	24	---	---	---
B20-S	0.15	ND	---	---	---
B20-1	0.3	ND	---	---	---
B20-2	0.6	ND	---	---	7.9
B21-S	0.15	108	5.6	0.78	---
B21-1	0.3	ND	---	---	---
B21-2	0.6	ND	---	---	---
B22-S	0.15	129	9.9	0.65	---
B22-1	0.3	ND	---	---	---
B22-2	0.6	18	---	---	---
B23-S	0.15	276	13	ND	---
B23-1	0.3	33	---	---	---
B23-2	0.6	ND	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B24-S	0.15	34	---	---	---
B24-1	0.3	ND	---	---	6.3
B24-2	0.6	ND	---	---	---
B25-S	0.15	21	---	---	---
B25-1	0.3	ND	---	---	---
B26-S	0.15	743	49	0.46	---
B26-1	0.3	ND	---	---	---
B26-2	0.6	ND	---	---	---
B27-S	0.15	460	32	0.74	---
B27-1	0.3	ND	---	---	---
B27-2	0.6	ND	---	---	---
B28-S	0.15	472	20	1.1	---
B28-1	0.3	ND	---	---	4.6
B28-2	0.6	ND	---	---	---
B29-S	0.15	798	68	3.6	---
B29-1	0.3	1.0	---	---	---
B29-2	0.6	8.0	---	---	---
B30-S	0.15	ND	---	---	---
B30-1	0.3	393	69	6.1	---
B30-2	0.6	ND	---	---	---
B32-S	0.15	73	5.4	0.28	---
B32-1	0.3	ND	---	---	---
B32-2	0.6	ND	---	---	---
B33-S	0.15	300	30	1.9	7.7
B33-1	0.3	210	14	0.27	---
B33-2	0.6	397	36	1.3	---
B34-S	0.15	181	16	0.56	---
B34-1	0.3	5.0	---	---	---
B34-2	0.6	ND	---	---	---
B35-S	0.15	589	50	4.5	---
B35-1	0.3	ND	---	---	---
B35-2	0.6	6.0	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B36-S	0.15	739	46	3.7	---
B36-1	0.3	123	14	2.3	---
B36-2	0.6	120	7.8	0.91	6.5
B37-S	0.15	235	23	1.4	---
B37-1	0.3	ND	---	---	---
B37-2	0.6	ND	---	---	---
B38-S	0.15	924	65	2.0	---
B38-1	0.3	ND	---		---
B38-2	0.6	5.0	---	---	---
B39-S	0.15	387	29	2.3	---
B39-1	0.3	11	---	---	---
B39-2	0.6	ND	---	---	---
B40-S	0.15	18	---	---	---
B40-1	0.3	5.0	---	---	---
B40-2	0.6	ND	---	---	4.8
B41-S	0.15	124	6.1	0.21	---
B41-1	0.3	150	6.6	0.88	---
B41-2	0.6	ND	---	---	---
B42-S	0.15	50	---	---	4.3
B42-1	0.3	15	---	---	---
B42-2	0.6	ND	---	---	---
B43-S	0.15	ND	---	---	---
B43-1	0.3	ND	---	---	---
B43-2	0.6	ND	---	---	---
B44-S	0.15	332	20	2.1	---
B44-1	0.3	63	12	ND	---
B44-2	0.6	ND	---	---	5.8
B45-S	0.15	902	57	2.7	---
B45-1	0.3	15	---	---	---
B45-2	0.6	ND	---	---	---
B46-S	0.15	669	50	1.2	---
B46-1	0.3	ND	---	---	---
B46-2	0.6	ND	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B47-S	0.15	9.0	---	---	---
B47-1	0.3	ND	---	---	---
B47-2	0.6	ND	---	---	---
B48-S	0.15	133	9.5	ND	---
B48-1	0.3	ND	---	---	4.9
B48-2	0.6	ND	---	---	---
B49-S	0.15	544	54	1.8	---
B49-1	0.3	3.0	---	---	---
B49-2	0.6	ND	---	---	---
B50-S	0.15	40	---	---	---
B50-1	0.3	174	13	ND	---
B50-2	0.6	112	10	ND	---
B51-S	0.15	92	7.4	0.68	---
B51-1	0.3	278	21	1.1	---
B52-S	0.15	561	38	2.8	6.8
B52-1	0.3	51	7.2	0.22	---
B52-2	0.6	ND	---	---	---
B53-S	0.15	179	13	0.2	---
B53-1	0.3	15	---	---	---
B53-2	0.6	ND	---	---	---
B54-S	0.15	45	---	---	---
B54-1	0.3	ND	---	---	---
B54-2	0.6	ND	---	---	---
B55-S	0.15	626	65	4.0	---
B55-1	0.3	7.0	---	---	4.6
B55-2	0.6	5.0	---	---	---
B56-S	0.15	388	18	1.6	---
B56-1	0.3	ND	---	---	---
B56-2	0.6	ND	---	---	---
B57-S	0.15	23	---	---	---
B57-1	0.3	ND	---	---	---
B57-2	0.6	ND	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B58-S	0.15	147	4.8	---	---
B58-1	0.3	ND	---	---	---
B58-2	0.6	ND	---	---	5.6
B59-S	0.15	284	36	0.45	---
B59-1	0.3	77	4.4	---	---
B59-2	0.6	ND	---	---	---
B60-S	0.15	5.0	---	---	---
B60-1	0.3	ND	---	---	---
B60-2	0.6	ND	---	---	---
B62-S	0.15	283	18	0.75	---
B62-1	0.3	ND	---	---	---
B62-2	0.6	ND	---	---	---
B63-S	0.15	36	---	---	7.4
B63-1	0.3	ND	---	---	---
B63-2	0.6	ND	---	---	---
B64-S	0.15	279	20	ND	---
B64-1	0.3	ND	---	---	---
B65-S	0.15	600	35	0.85	---
B65-1	0.3	ND	---	---	---
B65-2	0.6	ND	---	---	---
B66-S	0.15	860	73	ND	---
B66-1	0.3	ND	---	---	---
B67-S	0.15	373	38	0.78	5.7
B67-1	0.3	ND	---	---	---
B67-2	0.6	ND	---	---	---
B68-S	0.15	339	44	0.69	---
B68-1	0.3	ND	---	---	---
B68-2	0.6	ND	---	---	7.9
B69-S	0.15	18	---	---	---
B69-1	0.3	7.0	---	---	---
B70-S	0.15	21	---	---	---
B70-1	0.3	7.0	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B71-S	0.15	802	53	0.23	---
B71-1	0.3	23	---	---	---
B71-2	0.6	10	---	---	3.9
B72-S	0.15	394	15	ND	---
B72-1	0.3	24	---	---	---
B72-2	0.6	11	---	---	---
B73-S	0.15	194	15	ND	---
B73-1	0.3	7.0	---	---	---
B73-2	0.6	9.0	---	---	---
B74-S	0.15	169	8.9	ND	---
B74-1	0.3	8.0	---	---	---
B74-2	0.6	10	---	---	---
B75-S	0.15	226	16	ND	5.8
B75-1	0.3	6.0	---	---	---
B76-S	0.15	98	8.5	ND	---
B76-1	0.3	83	4.3	ND	---
B77-S	0.15	351	23	2.0	---
B77-1	0.3	45	---	---	---
B77-2	0.6	25	---	---	---
B78-S	0.15	654	21	ND	---
B78-1	0.3	27	---	---	---
B78-2	0.6	7.0	---	---	---
B79-S	0.15	50	---	---	7.4
B79-1	0.3	7.0	---	---	---
B79-2	0.6	9.0	---	---	8.4
B80-S 03/28/01	0.15	204	15	ND	---
B80-1 03/28/01	0.3	7.0	---	---	---
B80-2 03/28/01	0.6	21	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B80-S 03/30/01	0.15	702	90	2.8	---
B80-1 03/30/01	0.3	9.0	---	---	---
B80-2 03/30/01	0.6	8.0	---	---	---
B81-S	0.15	2128	---	---	---
B81-1	0.3	12	---	---	---
B81-2	0.6	17	---	---	7.4
B82-S	0.15	401	76	0.23	---
B82-1	0.3	10	---	---	---
B82-2	0.6	13	---	---	---
B83-S	0.15	1497	---	---	---
B83-1	0.3	14	---	---	---
B83-2	0.6	62	14	0.64	6.7
B84-S	0.15	ND	---	---	7.9
B84-1	0.3	ND	---	---	---
B84-2	0.6	ND	---	---	---
B85-S	0.15	ND	---	---	---
B85-1	0.3	ND	---	---	---
B85-2	0.6	ND	---	---	---
B86-S	0.15	180	16	0.95	---
B86-1	0.3	ND	---	---	---
B86-2	0.6	ND	---	---	---
B87-S	0.15	86	62	1.0	---
B87-1	0.3	ND	---	---	4.6
B87-2	0.6	ND	---	---	---
B88-S	0.15	820	89	15	---
B88-1	0.3	ND	---	---	---
B88-2	0.6	ND	---	---	---
B89-S	0.15	ND	---	---	---
B89-1	0.3	ND	---	---	---
B89-2	0.6	ND	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B90-S	0.15	840	14	9.5	---
B90-1	0.3	ND	---	---	---
B90-2	0.6	ND	---	---	7.9
B91-S	0.15	81	29	ND	---
B91-1	0.3	ND	---	---	---
B91-2	0.6	12	---	---	---
B92-S	0.15	11	---	---	---
B92-1	0.3	ND	---	---	---
B92-2	0.6	ND	---	---	---
B93-S	0.15	ND	---	---	---
B93-1	0.3	47	---	---	---
B94-S	0.15	10	---	---	---
B94-1	0.3	ND	---	---	8.2
B94-2	0.6	ND	---	---	---
B95-S	0.15	760	86	0.26	---
B95-1	0.3	79	13	1.5	---
B95-2	0.6	190	10	2.9	---
B96-S	0.15	ND	---	---	---
B96-1	0.3	ND	---	---	---
B96-2	0.6	ND	---	---	---
B97-S	0.15	20	---	---	---
B97-1	0.3	5.5	---	---	---
B97-2	0.6	ND	---	---	---
B98-S	0.15	ND	---	---	---
B98-1	0.3	ND	---	---	7.6
B98-2	0.6	ND	---	---	---
B99-S	0.15	2100	---	---	---
B99-1	0.3	ND	---	---	---
B99-2	0.6	5.0	---	---	---
B100-S	0.15	11	---	---	7.7
B100-1	0.3	ND	---	---	---
B100-2	0.6	ND	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample ID	Depth (meters)	Total Lead (mg/kg)	Soluble Lead WET Citric (mg/l)	Soluble Lead WET-DI (mg/l)	Soil pH
B101-S	0.15	180	69	7.3	---
B101-1	0.3	ND	---	---	---
B102-S	0.15	ND	---	---	---
B102-1	0.3	ND	---	---	---
B102-2	0.6	7.0	---	---	---
B103-S	0.15	32	---	---	---
B103-1	0.3	ND	---	---	---
B103-2	0.6	ND	---	---	---
B104-S	0.15	1200	---	---	---
B104-1	0.3	ND	---	---	---
B104-2	0.6	ND	---	---	8.1
B105-S	0.15	260	130	31	---
B105-1	0.3	ND	---	---	---
B105-2	0.6	ND	---	---	---
B106-S	0.15	54	7.2	1.7	---
B106-1	0.3	28	---	---	---
B106-2	0.6	40	---	---	---
B107-S	0.15	200	6.8	0.25	---
B107-1	0.3	5.5	---	---	---
B107-2	0.6	10	---	---	---
B108-S	0.15	16	---	---	7.4
B108-1	0.3	ND	---	---	---
B108-2	0.6	ND	---	---	---
B109-S	0.15	440	180	17	---
B109-1	0.3	ND	---	---	---
B109-2	0.6	ND	---	---	---
B110-S	0.15	270	26	2.1	---
B110-1	0.3	ND	---	---	---
B110-2	0.6	ND	---	---	---
B111-S	0.15	880	31	1.8	---
B111-1	0.3	ND	---	---	7.2
B111-2	0.6	11	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL LABORATORY RESULTS

Notes:

mg/kg	=	milligrams per kilogram
mg/l	=	milligrams per liter
---	=	analysis not performed
EPA	=	United States Environmental Protection Agency
Total Lead	=	Total Lead by EPA Test Method 6010.
Soluble Lead WET Citric	=	Soluble Lead by WET Method. Extractant analyzed by EPA Test Method 7420.
Soluble Lead WET DI	=	Soluble Lead by WET Method modified with deionized water. Extractant analyzed by EPA Test Method 7420.
Soil pH	=	Soil pH by EPA Test Method 9045

APPENDIX A

APPENDIX A

GEOCON ENVIRONMENTAL CONSULTANTS INCORPORATED
STANDARD OPERATING PROCEDURE (SOP) NO. 11
HAND-AUGERING AND SOIL SAMPLE COLLECTION

Purpose

The purpose of this SOP is to outline procedures and methods to be used to advance hand-augers and collect soil samples for chemical analyses.

Hand-Augering and Soil Sample Collection Procedures

1. Initiate boring using a hand-held 7.62-centimeter diameter stainless steel auger.
2. Advance boring to initial sample depth of approximately 0 to 0.15 meters below the ground surface.
3. Transfer the soil sample from the hand-auger into a glass jar supplied by the laboratory.
4. Repeat the procedure and collect soil samples at subsequent depths as specified in the Task Order, if possible.
5. Backfill the borings to surface grade with soil cuttings generated.
6. Clean and rinse sampling equipment prior to the collection of each soil sample by washing the equipment with a trisodium phosphate solution followed by subsequent tap water and deionized water rinses.

GEOCON ENVIRONMENTAL CONSULTANTS INCORPORATED
STANDARD OPERATING PROCEDURE (SOP) NO. 31
SOIL SAMPLE HANDLING PROCEDURES

Purpose

The purpose of this SOP is to outline procedures and methods to be used to package and transport soil samples to an analytical laboratory.

Soil Sample Handling Procedures

1. Soil samples were retrieved directly from the hand auger.

2. After extracting the sample from the auger, the soil sample was placed in laboratory supplied glass jars with Teflon-lined lids.

3. Sample labels will be placed on the outside of the jar to indicate the boring number and from what depth the sample was obtained, the time the sample was obtained, and the date the sample was obtained.

4. Each prepared sample jar was placed into a container for transport to Advanced Technology Laboratories.

APPENDIX B

March 29, 2001

Bob Owoc
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX (858) 558-6159

ELAP No: 1838

RE: Rte 5 Via de La Valle - 8910-06-107

Work Order No.: 050275

Attention: Bob Owoc

Enclosed are the results for sample(s) received on March 27, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

Apr-02-01 14:27 ATL San Diego 8585666483 P.01
MAR-27-01 TUE 10:31 AM ADVANCED TECHNOLOGY LAB FAX NO. 8585664040 P. 01/01

Sent By: GEOCON ENV. CONSULTANTS, INC.; 858 558 8437 ; Mar-27-01 10:11AM; Page 1/1
To: ADV TECHNOLOGY At: 5585664040

Mar-27-01 09:41 ATL San Diego 8585666483 P.01

Advanced Technology Laboratories, Inc.
7945 Silverton Ave., Suite 1104
San Diego, CA 92126
(858) 566-6483 Phone
(858) 566-6527 Fax

FACSIMILE TRANSMITTAL

To: Bob Auor
Total Pages (incl. cover): 13
Company: Geocon
From: Edward Kontos
Subject: RTE.5 Via de la Valle
Date: 3/27/01
Fax: 858-558-8437

Comments: ☒ Urgent ○ As requested ○ FYI ○ Please respond

Message:

Please authorize these samples to be analyzed by EPA 7420 for Lead. If you have any questions you can call me at (858) 566-6483.

Edward

Edward — EPA 7420 is authorized

Ron Koerzon

858
658
6/00

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☒

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 858 Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: Rte 5 Via de La Valle
Project #: 8940-06-107
Sampler: (Printed Name) G. R. Owoc (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/26/01 Time: 1600 Received by: G. R. Owoc Date: 3/27/01 Time: 7:30
Relinquished by: (Signature and Printed Name) _____ Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
IF TOTAL LEAD >50 AND <1000 ANALYZE BY WET-CITRIC METHOD. IF WET CITRIC >5 ANALYZE BY WET-DI METHOD. ANALYZE 10% OF SAMPLES FOR pH

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☒ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC); Total Lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID • (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
1	50275-001	B1-S	3/26/01	0925	C	1	G J	
2		B1-1		0927				
3		B1-2		0930				
4		B2-S		0932				
5		B2-1		0934				
6		B2-2		0938				
7		B3-S		0939				
8		B3-1		0942				refusal
9		B4-S		0945				
10		B4-1		0950				

• TAT starts 8 a.m. following day if samples received after 5 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

g 2 f 4

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: 124e 3 Via de la Valle
Project #: 8900-06-107
Sampler: (Printed Name) R OWOC (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/26/01 Time: 1600 Received by: (Signature and Printed Name) _____ Date: 3/27/01 Time: 7:30
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name _____ Date _____
Signature _____

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC); Total Lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
11		B5-S	3/26/01	10:01	C	1	G	J
12		B5-1		10:03				
13		B5-2		10:05				
14		B6-S		1012				
15		B6-1		1015				
16		B6-2		1017				
17		B7-S		1020				
18		B7-1		1022				
19		B7-2		1024				
20		B8-S		1028				

* TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Pg ~ of ~

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Ohoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: Rte 5, Via de La Valle Project #: 8900-06-107 Sampler: (Printed Name) RO Ohoc (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/26/01 Time: 1600 Received by: (Signature and Printed Name) Date: 3/27/01 Time: 7:30

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

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

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State ____ Zip ____

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

Special Instructions/Comments:
See pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TPH / lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID • (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
21		B 8-1	3/26/01	1029	C	1	6J	
22		B 8-2		1031				
23		B 9-S		1035				
24		B 9-1		1037				
25		B 9-2		1040				
26		B10-S		1045				
27		B10-1		1048				
28		B10-2		1051				
29		B11-S		1053				
30		B11-1		1055				

• TAT starts 8 a.m. following day if samples received after 5 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
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~) 558-8437

Project Name: Route 5 Via de la Valle
Project #: 8900-06-107
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/26/01 Time: 1600 Received by: (Signature and Printed Name) Date: 3/27/01 Time: 7:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State ____ Zip ____

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPHD (Diesel-GC) · Total Lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) · SLUDGE · OIL · SOLVENT · LIQUID · WATER · WASTEWATER · DRINKING WATER · AIR · WIPE · FILTER · OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
31		B11-2	3/26/01	1057	2	1	6J	
32		B12-S		1100				
33		B12-1		1104				refusal
34		B13-S		1107				
35		B13-1		1110				
36		B13-2		1113				
37		B14-S		1120				
38		B14-1		1122				
39		B14-2		1124				
40		B15-S	↓	1126	↓	↓	↓	

• TAT starts 8 a.m. following day if samples received after 5 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
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Ouse
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8900-06-107
Sampler: (Printed Name) R Ouse (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/26/01 Time: 1600 Received by: (Signature and Printed Name) Date: 3/27/01 Time: 7:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State ____ Zip ____

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 8251 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC); Total Lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
41		B15-1	3/26/01	11:28	d	1	G	J
42		~~B15-5~~ B15-2		11:31				
43		B16-5		1134				
44		B16-1		11:38				
45		B16-2		11:40				
46		B17-5		1142				
47		B17-1		1144				
48		B17-2		1146				
49		B18-5		1152				
50		B18-1		1155				

• TAT starts 8 a.m. following day if samples received after 5 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
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8700-06-107 Sampler: (Printed Name) R Owoc (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/26/01 Time: 1600 Received by: (Signature and Printed Name) _____ Date: 3/27/01 Time: 7:30

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

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

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name _____ Date _____
Signature _____

Send Report To:
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CIRCLE APPROPRIATE MATRIX: SOLID • GOIL • SLUDGE | OIL • SOL VENT • LIQUID | WATER • WASTEWATER | DRINKING WATER | AIR | WIPE • FILTER | OTHER

PRESERVATION

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ ☐ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
51		~~BARRA~~ B19-S	3/26	12:02	C	1	G	
52		B19-1		12:05				
53		B20-S		1207				
54		B20-1		12/0				
55		B 20-2		12/3				
56		B21-S		1219				
57		B21-1		1227				
58		B21-2		12:35				
59		B22-S		1227				
60		B22-1		1230				

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P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: ROUTE 5 Via de la Valle Project #: 8500-06-107
Sampler: (Printed Name) R. OWOC (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/24/01 Time: 1600
Received by: (Signature and Printed Name) _____ Date: 3/27/01 Time: 7:30

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

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

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: _____ Print Name _____ Date _____ Signature

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments: see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
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☐ Other _____
☐ Return To: _____
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CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE • OIL • SOLVENT • LIQUID • WATER • WASTEWATER • DRINKING WATER • AIR • WIPE • FILTER • OTHER

PRESERVATION

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
61		B 22-2	3/24/01	1233	C	1	G	J
62		B 23-S		1326				
63		B 23-1		1328				
64		B 23-2		1330				
65		B 24-S		1334				
66		B 24-1		1336				
67		B 24-2		1338				
68		B 25-S		1341				
69		B 25-1		1344				
70		B 26-S	↓	1347	↓	↓	↓	

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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=$Na_2S_2O_3$

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

CHAIN OF CUSTODY RECORD

Pg 2 of 2

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Signal Hill, CA 90807
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Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: Route 5 Via De La Valle Project #: 8900-06-107
Sampler: (Printed Name) R Owoc (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/26/01 Time: 1600 Received by: (Signature and Printed Name) _____ Date: 3/27/01 Time: 7:30
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

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☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPHD (Diesel-GC)	Total Lead 6010	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
71		B26-1	3/26/01	1348							X	X							d	1	G J		
72		B26-2		1350																			
73		B27-S		1352																			
74		B27-1		1354																			
75		B27-2		1356																			
76		B28-S		1359																			
77		B28-1		1403																			
78		B28-2		1405																			
79		B29-S		1407																			
80		B29-1	↓	1409							↓								↓				

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CHAIN OF CUSTODY RECORD

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Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Ouse
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8900-06-107
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/26/01 Time: 1600 Received by: (Signature and Printed Name) Date: 3/27/01 Time: 7:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn:
Co: client
Address
City State Zip

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

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☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC); Total Lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER; TAT

PRESERVATION

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
81		B29-2	3/26/01	1411	C	1	G,T	
82		B30-S		1412				
83		B30-1		1413				
84		B30-2		1415				
85		B32-S		1417				
86		B32-1		1419				
87		B32-2		1422				
88		B33-S		1426				
89		B33-1		1428				
90		B33-2		1431				

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

CHAIN OF CUSTODY RECORD

pg 1 of 1

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Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: Rte 5 Via de la Valle
Project #: 8900-QC-107
Sampler: (Printed Name) R. Owoc (Signature)

Relinquished by: (Signature and Printed Name)	Date: 3/24/01	Time: 1600	Received by: (Signature and Printed Name)	Date: 3/27/01	Time: 7:30
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

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

Send Report To:
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Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE | OIL • SOLVENT • LIQUID | WATER • WASTEWATER | DRINKING WATER | AIR | WIPE • FILTER | OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPHD (Diesel-GC)	TOTAL LEAD - 6010	TAT	Container(s) #	Container(s) Type	REMARKS
91		~~B35-S~~ B34-S	3-26	1434							X	C	1	G,J	
92		~~B35-1~~ B34-1		1436											
93		B34-2		1438											
94		B35-S		1441											
95		B35-1		1445											
96		B35-2		1447											
97		B36-S		1449											
98		B36-1		1451											
99		B36-2		1453											
100		B37-S		1455											

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Client: GEOCON ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
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TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: ROUTE 5 VIA DE LA VALLE Project #: 8900-06-107 Sampler: (Printed Name) R. OWOC (Signature)

Relinquished by: (Signature and Printed Name)	Date: 3/26/01	Time: 1600	Received by: (Signature and Printed Name)	Date: 3/27/01	Time: 7:30
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
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Print Name _____ Date _____
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Send Report To:
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CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE · OIL • SOLVENT • LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CTV ☐ OTHER ☒

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
101		B37-1	3-26	1458	C	1	G	
102		B37-2		1501		1		
103		B38-S		1503				
104		B38-1		1505				
105		B38-2		1507				
106		B39-S		1509				
107		B39-1		1511				
108		B39-2		1513				
109		B40-S		1515				
110		B40-1		1518				

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Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8900-06-107
Sampler: _____ (Printed Name) _____ (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/26/01 Time: 1600 Received by: (Signature and Printed Name) _____ Date: 3/27/01 Time: 7:30
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
See pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☒ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPHD (Diesel-GC) · Total Lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE · OIL • SOLVENT · LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ (CT) ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
111		B40-2	3/26	1522	C	1	G J	
112		B41-5		1527				
113		B41-1		1531				
114		B41-2		1533				

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01
Date Digested: 3/27/01
Digestion Method: EPA 3051

Date Amended: 06/19/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050275-001	B1-S	EPA 7420 (Lead)	03/28/01	39	Soil, mg/kg	3.0	3.0	KR
050275-002	B1-1	EPA 7420 (Lead)	03/28/01	9	Soil, mg/kg	3.0	3.0	KR
050275-003	B1-2	EPA 7420 (Lead)	03/28/01	3	Soil, mg/kg	3.0	3.0	KR
050275-004	B2-S	EPA 7420 (Lead)	03/28/01	1123	Soil, mg/kg	3.0	15.0	KR
050275-005	B2-1	EPA 7420 (Lead)	03/28/01	10	Soil, mg/kg	3.0	3.0	KR
050275-006	B2-2	EPA 7420 (Lead)	03/28/01	7	Soil, mg/kg	3.0	3.0	KR
050275-007	B3-S	EPA 7420 (Lead)	03/28/01	1848	Soil, mg/kg	3.0	15.0	KR
050275-008	B3-1	EPA 7420 (Lead)	03/28/01	27	Soil, mg/kg	3.0	3.0	KR
050275-009	B4-S	EPA 7420 (Lead)	03/28/01	61	Soil, mg/kg	3.0	3.0	KR
050275-010	B4-1	EPA 7420 (Lead)	03/28/01	52	Soil, mg/kg	3.0	3.0	KR
050275-011	B5-S	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-012	B5-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-013	B5-2	EPA 7420 (Lead)	03/28/01	3	Soil, mg/kg	3.0	3.0	KR
050275-014	B6-S	EPA 7420 (Lead)	03/28/01	401	Soil, mg/kg	3.0	3.0	KR
050275-015	B6-1	EPA 7420 (Lead)	03/28/01	10	Soil, mg/kg	3.0	3.0	KR
050275-016	B6-2	EPA 7420 (Lead)	03/28/01	5	Soil, mg/kg	3.0	3.0	KR
050275-017	B7-S	EPA 7420 (Lead)	03/28/01	321	Soil, mg/kg	3.0	3.0	KR
050275-018	B7-1	EPA 7420 (Lead)	03/28/01	6	Soil, mg/kg	3.0	3.0	KR
050275-019	B7-2	EPA 7420 (Lead)	03/28/01	3	Soil, mg/kg	3.0	3.0	KR
050275-020	B8-S	EPA 7420 (Lead)	03/28/01	166	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

1

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01
Date Digested: 3/27/01
Digestion Method: EPA 3051

Date Amended: 06/19/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050275-021	B8-1	EPA 7420 (Lead)	03/28/01	7	Soil, mg/kg	3.0	3.0	KR
050275-022	B8-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-023	B9-S	EPA 7420 (Lead)	03/28/01	998	Soil, mg/kg	3.0	15.0	KR
050275-024	B9-1	EPA 7420 (Lead)	03/28/01	34	Soil, mg/kg	3.0	3.0	KR
050275-025	B9-2	EPA 7420 (Lead)	03/28/01	18	Soil, mg/kg	3.0	3.0	KR
050275-026	B10-S	EPA 7420 (Lead)	03/28/01	285	Soil, mg/kg	3.0	3.0	KR
050275-027	B10-1	EPA 7420 (Lead)	03/28/01	8	Soil, mg/kg	3.0	15.0	KR
050275-028	B10-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-029	B11-S	EPA 7420 (Lead)	03/28/01	105	Soil, mg/kg	3.0	3.0	KR
050275-030	B11-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-031	B11-2	EPA 7420 (Lead)	03/28/01	4	Soil, mg/kg	3.0	3.0	KR
050275-032	B12-S	EPA 7420 (Lead)	03/28/01	12	Soil, mg/kg	3.0	3.0	KR
050275-033	B12-1	EPA 7420 (Lead)	03/28/01	9	Soil, mg/kg	3.0	3.0	KR
050275-034	B13-S	EPA 7420 (Lead)	03/28/01	27	Soil, mg/kg	3.0	3.0	KR
050275-035	B13-1	EPA 7420 (Lead)	03/28/01	6	Soil, mg/kg	3.0	3.0	KR
050275-036	B13-2	EPA 7420 (Lead)	03/28/01	3	Soil, mg/kg	3.0	3.0	KR
050275-037	B14-S	EPA 7420 (Lead)	03/28/01	504	Soil, mg/kg	3.0	3.0	KR
050275-038	B14-1	EPA 7420 (Lead)	03/28/01	23	Soil, mg/kg	3.0	3.0	KR
050275-039	B14-2	EPA 7420 (Lead)	03/28/01	4	Soil, mg/kg	3.0	3.0	KR
050275-040	B15-S	EPA 7420 (Lead)	03/28/01	50	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01
Date Digested: 3/27/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050275-041	B15-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-042	B15-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-043	B16-S	EPA 7420 (Lead)	03/28/01	1074	Soil, mg/kg	3.0	15.0	KR
050275-044	B16-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-045	B16-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-046	B17-S	EPA 7420 (Lead)	03/28/01	8	Soil, mg/kg	3.0	3.0	KR
050275-047	B17-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	15.0	KR
050275-048	B17-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-049	B18-S	EPA 7420 (Lead)	03/28/01	44	Soil, mg/kg	3.0	3.0	KR
050275-050	B18-1	EPA 7420 (Lead)	03/28/01	5	Soil, mg/kg	3.0	3.0	KR
050275-051	B19-S	EPA 7420 (Lead)	03/28/01	112	Soil, mg/kg	3.0	3.0	KR
050275-052	B19-1	EPA 7420 (Lead)	03/28/01	24	Soil, mg/kg	3.0	3.0	KR
050275-053	B20-S	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-054	B20-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-055	B20-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-056	B21-S	EPA 7420 (Lead)	03/28/01	108	Soil, mg/kg	3.0	3.0	KR
050275-057	B21-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-058	B21-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-059	B22-S	EPA 7420 (Lead)	03/28/01	129	Soil, mg/kg	3.0	3.0	KR
050275-060	B22-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: KR

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01
Date Digested: 3/27/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050275-061	B22-2	EPA 7420 (Lead)	03/28/01	18	Soil, mg/kg	3.0	3.0	KR
050275-062	B23-S	EPA 7420 (Lead)	03/28/01	276	Soil, mg/kg	3.0	3.0	KR
050275-063	B23-1	EPA 7420 (Lead)	03/28/01	33	Soil, mg/kg	3.0	15.0	KR
050275-064	B23-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-065	B24-S	EPA 7420 (Lead)	03/28/01	34	Soil, mg/kg	3.0	3.0	KR
050275-066	B24-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-067	B24-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	15.0	KR
050275-068	B25-S	EPA 7420 (Lead)	03/28/01	21	Soil, mg/kg	3.0	3.0	KR
050275-069	B25-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-070	B26-S	EPA 7420 (Lead)	03/28/01	743	Soil, mg/kg	3.0	3.0	KR
050275-071	B26-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-072	B26-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-073	B27-S	EPA 7420 (Lead)	03/28/01	460	Soil, mg/kg	3.0	3.0	KR
050275-074	B27-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-075	B27-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-076	B28-S	EPA 7420 (Lead)	03/28/01	472	Soil, mg/kg	3.0	3.0	KR
050275-077	B28-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-078	B28-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-079	B29-S	EPA 7420 (Lead)	03/28/01	798	Soil, mg/kg	3.0	6.0	KR
050275-080	B29-1	EPA 7420 (Lead)	03/28/01	1	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01
Date Digested: 3/27/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050275-081	B29-2	EPA 7420 (Lead)	03/28/01	8	Soil, mg/kg	3.0	3.0	KR
050275-082	B30-S	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-083	B30-1	EPA 7420 (Lead)	03/28/01	393	Soil, mg/kg	3.0	3.0	KR
050275-084	B30-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-085	B32-S	EPA 7420 (Lead)	03/28/01	73	Soil, mg/kg	3.0	3.0	KR
050275-086	B32-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-087	B32-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-088	B33-S	EPA 7420 (Lead)	03/28/01	300	Soil, mg/kg	3.0	3.0	KR
050275-089	B33-1	EPA 7420 (Lead)	03/28/01	210	Soil, mg/kg	3.0	3.0	KR
050275-090	B33-2	EPA 7420 (Lead)	03/28/01	397	Soil, mg/kg	3.0	3.0	KR
050275-091	B34-S	EPA 7420 (Lead)	03/28/01	181	Soil, mg/kg	3.0	3.0	KR
050275-092	B34-1	EPA 7420 (Lead)	03/28/01	5	Soil, mg/kg	3.0	3.0	KR
050275-093	B34-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-094	B35-S	EPA 7420 (Lead)	03/28/01	589	Soil, mg/kg	3.0	6.0	KR
050275-095	B35-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-096	B35-2	EPA 7420 (Lead)	03/28/01	6	Soil, mg/kg	3.0	3.0	KR
050275-097	B36-S	EPA 7420 (Lead)	03/28/01	739	Soil, mg/kg	3.0	6.0	KR
050275-098	B36-1	EPA 7420 (Lead)	03/28/01	123	Soil, mg/kg	3.0	3.0	KR
050275-099	B36-2	EPA 7420 (Lead)	03/28/01	120	Soil, mg/kg	3.0	3.0	KR
050275-100	B37-S	EPA 7420 (Lead)	03/28/01	235	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01
Date Digested: 3/27/01
Digestion Method: EPA 3051

Date Amended: 06/19/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050275-101	B37-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-102	B37-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-103	B38-S	EPA 7420 (Lead)	03/28/01	924	Soil, mg/kg	3.0	6.0	KR
050275-104	B38-1	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-105	B38-2	EPA 7420 (Lead)	03/28/01	5	Soil, mg/kg	3.0	3.0	KR
050275-106	B39-S	EPA 7420 (Lead)	03/28/01	387	Soil, mg/kg	3.0	3.0	KR
050275-107	B39-1	EPA 7420 (Lead)	03/28/01	11	Soil, mg/kg	3.0	3.0	KR
050275-108	B39-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-109	B40-S	EPA 7420 (Lead)	03/28/01	18	Soil, mg/kg	3.0	3.0	KR
050275-110	B40-1	EPA 7420 (Lead)	03/28/01	5	Soil, mg/kg	3.0	3.0	KR
050275-111	B40-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	3.0	KR
050275-112	B41-S	EPA 7420 (Lead)	03/28/01	124	Soil, mg/kg	3.0	3.0	KR
050275-113	B41-1	EPA 7420 (Lead)	03/28/01	150	Soil, mg/kg	3.0	3.0	KR
050275-114	B41-2	EPA 7420 (Lead)	03/28/01	ND	Soil, mg/kg	3.0	6.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials:

The cover letter is an integral part of this analytical report

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: 7420 Date: 03/28/01

Analyst: KR Matrix: Soil

Analyte: Pb QC Batch: 010328-1

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-20)	mg/Kg	ND
Method Blank(Spl 21-40)	mg/Kg	ND
Method Blank(Spl 41-60)	mg/Kg	ND
Method Blank(Spl 61-80)	mg/Kg	ND
Method Blank(Spl 81-100)	mg/Kg	ND
Method Blank(Spl 101-114)	mg/Kg	ND

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	03/28/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010328-1

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50275-010	mg/Kg	56	49	13
50275-020	mg/Kg	181	169	7
50275-030	mg/Kg	2	3	50
50275-040	mg/Kg	50	69	33
50275-050	mg/Kg	5	5	0
50275-060	mg/Kg	0	0	0
50275-070	mg/Kg	698	788	12
50275-080	mg/Kg	0	0	0
50275-090	mg/Kg	356	438	21
50275-100	mg/Kg	233	238	2
50275-110	mg/Kg	7	3	74
50275-114	mg/Kg	0	0	0

Initials: _____

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 03/28/01
Matrix: Soil
QC Batch: 010328-1

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50275-010	mg/Kg	55.5	250	291	94	41-129
50275-020	mg/Kg	166	250	452	114	62-119
50275-030	mg/Kg	2	250	252	100	59-135
50275-040	mg/Kg	69	250	407	135	49-122
50275-050	mg/Kg	5	250	242	95	66-110
50275-060	mg/Kg	0	250	234	93	52-136
50275-070	mg/Kg	698	250	920	89	67-113
50275-080	mg/Kg	0	250	235	94	70-124
50275-090	mg/Kg	438	250	923	194	54-124
50275-100	mg/Kg	233	250	485	101	71-109
50275-110	mg/Kg	6.5	250	249	97	47-136
50275-114	mg/Kg	0	250	242	97	50-120

Initials: _____

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	03/28/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010328-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-20)	mg/Kg	5.0	5.02	100
LCS-2(Spl 21-40)	mg/Kg	5.0	5.02	100
LCS-3(Spl 41-60)	mg/Kg	5.0	4.73	95
LCS-4(Spl 61-80)	mg/Kg	5.0	4.83	97
LCS-5(Spl 81-100)	mg/Kg	5.0	4.92	98
LCS-6(Spl 101-114)	mg/Kg	5.0	4.85	97

Initials: _____

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050275-001	B1-S	EPA 9045 (pH)	03/28/01	7.9	Soil	---	---	KR
050275-011	B5-S	EPA 9045 (pH)	03/28/01	5.6	Soil	---	---	KR
050275-022	B8-2	EPA 9045 (pH)	03/28/01	9.1	Soil	---	---	KR
050275-033	B12-1	EPA 9045 (pH)	03/28/01	5.3	Soil	---	---	KR
050275-040	B15-S	EPA 9045 (pH)	03/28/01	7.6	Soil	---	---	KR
050275-044	B16-1	EPA 9045 (pH)	03/28/01	8.1	Soil	---	---	KR
050275-055	B20-2	EPA 9045 (pH)	03/28/01	7.9	Soil	---	---	KR
050275-066	B24-1	EPA 9045 (pH)	03/28/01	6.3	Soil	---	---	KR
050275-077	B28-1	EPA 9045 (pH)	03/28/01	4.6	Soil	---	---	KR
050275-088	B33-S	EPA 9045 (pH)	03/28/01	7.7	Soil	---	---	KR
050275-099	B36-2	EPA 9045 (pH)	03/28/01	6.5	Soil	---	---	KR
050275-111	B40-2	EPA 9045 (pH)	03/28/01	4.8	Soil	---	---	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method: EPA 9045
Analyst: KR
Analyte: pH

Date: 03/28/01
Matrix: Soil
QC Batch: 010328-1

ANALYTE	Sample I.D.	UNITS	Dup result
50275-011	B5-S	mg/Kg	5.6
50275-111	B40-2	mg/Kg	4.9

Initials: 

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050275-009	B4-S	EPA 7420 (STLC Lead)	04/02/01	2.7	STLC Extract, mg/L	0.15	0.15	KR
050275-010	B4-1	EPA 7420 (STLC Lead)	04/02/01	2.2	STLC Extract, mg/L	0.15	0.15	KR
050275-014	B6-S	EPA 7420 (STLC Lead)	04/02/01	30	STLC Extract, mg/L	0.15	0.45	KR
050275-017	B7-S	EPA 7420 (STLC Lead)	04/02/01	23	STLC Extract, mg/L	0.15	0.45	KR
050275-020	B8-S	EPA 7420 (STLC Lead)	04/02/01	16	STLC Extract, mg/L	0.15	0.30	KR
050275-023	B9-S	EPA 7420 (STLC Lead)	04/02/01	54	STLC Extract, mg/L	0.15	1.5	KR
050275-026	B10-S	EPA 7420 (STLC Lead)	04/02/01	13	STLC Extract, mg/L	0.15	0.30	KR
050275-029	B11-S	EPA 7420 (STLC Lead)	04/02/01	7.7	STLC Extract, mg/L	0.15	0.15	KR
050275-037	B14-S	EPA 7420 (STLC Lead)	04/02/01	57	STLC Extract, mg/L	0.15	0.90	KR
050275-051	B19-S	EPA 7420 (STLC Lead)	04/02/01	6.6	STLC Extract, mg/L	0.15	0.15	KR
050275-056	B21-S	EPA 7420 (STLC Lead)	04/02/01	5.6	STLC Extract, mg/L	0.15	0.15	KR
050275-059	B22-S	EPA 7420 (STLC Lead)	04/02/01	9.9	STLC Extract, mg/L	0.15	0.15	KR
050275-062	B23-S	EPA 7420 (STLC Lead)	04/02/01	13	STLC Extract, mg/L	0.15	0.15	KR
050275-070	B26-S	EPA 7420 (STLC Lead)	04/02/01	49	STLC Extract, mg/L	0.15	0.75	KR
050275-073	B27-S	EPA 7420 (STLC Lead)	04/02/01	32	STLC Extract, mg/L	0.15	0.75	KR
050275-076	B28-S	EPA 7420 (STLC Lead)	04/02/01	20	STLC Extract, mg/L	0.15	0.75	KR
050275-079	B29-S	EPA 7420 (STLC Lead)	04/02/01	68	STLC Extract, mg/L	0.15	1.5	KR
050275-083	B30-1	EPA 7420 (STLC Lead)	04/02/01	69	STLC Extract, mg/L	0.15	1.5	KR
050275-085	B32-S	EPA 7420 (STLC Lead)	04/02/01	5.4	STLC Extract, mg/L	0.15	0.15	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: (B)

1

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050275-088	B33-S	EPA 7420 (STLC Lead)	04/02/01	30	STLC Extract, mg/L	0.15	0.60	KR
050275-089	B33-1	EPA 7420 (STLC Lead)	04/02/01	14	STLC Extract, mg/L	0.15	0.30	KR
050275-090	B33-2	EPA 7420 (STLC Lead)	04/02/01	36	STLC Extract, mg/L	0.15	0.60	KR
050275-091	B34-S	EPA 7420 (STLC Lead)	04/02/01	16	STLC Extract, mg/L	0.15	0.60	KR
050275-094	B35-S	EPA 7420 (STLC Lead)	04/02/01	50	STLC Extract, mg/L	0.15	1.5	KR
050275-097	B36-S	EPA 7420 (STLC Lead)	04/02/01	46	STLC Extract, mg/L	0.15	0.75	KR
050275-098	B36-1	EPA 7420 (STLC Lead)	04/02/01	14	STLC Extract, mg/L	0.15	0.30	KR
050275-099	B36-2	EPA 7420 (STLC Lead)	04/02/01	7.8	STLC Extract, mg/L	0.15	0.15	KR
050275-100	B37-S	EPA 7420 (STLC Lead)	04/02/01	23	STLC Extract, mg/L	0.15	0.45	KR
050275-103	B38-S	EPA 7420 (STLC Lead)	04/02/01	65	STLC Extract, mg/L	0.15	1.5	KR
050275-106	B39-S	EPA 7420 (STLC Lead)	04/02/01	29	STLC Extract, mg/L	0.15	0.45	KR
050275-112	B41-S	EPA 7420 (STLC Lead)	04/02/01	6.1	STLC Extract, mg/L	0.15	0.15	KR
050275-113	B41-1	EPA 7420 (STLC Lead)	04/02/01	6.6	STLC Extract, mg/L	0.15	0.15	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____
2

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: KR
Analyte: Pb
Date: 04/02/01
Matrix: STLC Extract
QC Batch: 010402-1

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-20)	mg/L	ND
Method Blank(Spl 21-33)	mg/L	ND

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel.: 562 989-4045 Fax.: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	04/02/01
Analyst:	KR	Matrix:	STLC EXTRACT
Analyte:	Pb	QC Batch:	010402-1

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50275-040	mg/L	6.0	6.1	2
50275-085	mg/L	5.4	5.4	1
50275-103	mg/L	70	60	15
50275-113	mg/L	6.6	6.6	1

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method:	EPA 7420	Date:	04/02/01
Analyst:	KR	Matrix:	STLC Extract
Analyte:	Pb	QC Batch:	010402-1

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50275-040	mg/L	6.01	5	11	93	54-124
50275-085	mg/L	5.4	5	10	91	54-124
50275-103	mg/L	69.8	5	74	74	54-124
50275-113	mg/L	6.59	5	11	80	54-124

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	04/02/01
Analyst:	KR	Matrix:	STLC Extract
Analyte:	Pb	QC Batch:	010402-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-20)	mg/L	5.0	4.21	84
LCS-2(Spl 21-33)	mg/L	5.0	4.31	86

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050275-014	B6-S	EPA 7420 (STLC DI Lead)	04/06/01	0.22	STLC DI Extract, mg/L	0.15	0.15	KR
050275-017	B7-S	EPA 7420 (STLC DI Lead)	04/06/01	0.31	STLC DI Extract, mg/L	0.15	0.15	KR
050275-020	B8-S	EPA 7420 (STLC DI Lead)	04/06/01	0.61	STLC DI Extract, mg/L	0.15	0.15	KR
050275-023	B9-S	EPA 7420 (STLC DI Lead)	04/06/01	0.47	STLC DI Extract, mg/L	0.15	0.15	KR
050275-026	B10-S	EPA 7420 (STLC DI Lead)	04/06/01	0.48	STLC DI Extract, mg/L	0.15	0.15	KR
050275-029	B11-S	EPA 7420 (STLC DI Lead)	04/06/01	0.35	STLC DI Extract, mg/L	0.15	0.15	KR
050275-037	B14-S	EPA 7420 (STLC DI Lead)	04/06/01	1.6	STLC DI Extract, mg/L	0.15	0.15	KR
050275-040	B15-S	EPA 7420 (STLC DI Lead)	04/06/01	0.27	STLC DI Extract, mg/L	0.15	0.15	KR
050275-051	B19-S	EPA 7420 (STLC DI Lead)	04/06/01	0.16	STLC DI Extract, mg/L	0.15	0.15	KR
050275-056	B21-S	EPA 7420 (STLC DI Lead)	04/06/01	0.78	STLC DI Extract, mg/L	0.15	0.15	KR
050275-059	B22-S	EPA 7420 (STLC DI Lead)	04/06/01	0.65	STLC DI Extract, mg/L	0.15	0.15	KR
050275-062	B23-S	EPA 7420 (STLC DI Lead)	04/06/01	ND	STLC DI Extract, mg/L	0.15	0.15	KR
050275-070	B26-S	EPA 7420 (STLC DI Lead)	04/06/01	0.46	STLC DI Extract, mg/L	0.15	0.15	KR
050275-073	B27-S	EPA 7420 (STLC DI Lead)	04/06/01	0.74	STLC DI Extract, mg/L	0.15	0.15	KR
050275-076	B28-S	EPA 7420 (STLC DI Lead)	04/06/01	1.1	STLC DI Extract, mg/L	0.15	0.15	KR
050275-079	B29-S	EPA 7420 (STLC DI Lead)	04/06/01	3.6	STLC DI Extract, mg/L	0.15	0.15	KR
050275-083	B30-1	EPA 7420 (STLC DI Lead)	04/06/01	6.1	STLC DI Extract, mg/L	0.15	0.15	KR
050275-085	B32-S	EPA 7420 (STLC DI Lead)	04/06/01	0.28	STLC DI Extract, mg/L	0.15	0.15	KR
050275-088	B33-S	EPA 7420 (STLC DI Lead)	04/06/01	1.9	STLC DI Extract, mg/L	0.15	0.15	KR
050275-089	B33-1	EPA 7420 (STLC DI Lead)	04/06/01	0.27	STLC DI Extract, mg/L	0.15	0.15	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____
1

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/27/01
Date Sampled: 3/26/01

Date Amended: 05/23/01

Lab No:	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050275-090	B33-2	EPA 7420 (STLC DI Lead)	04/06/01	1.3	STLC DI Extract, mg/L	0.15	0.15	KR
050275-091	B34-S	EPA 7420 (STLC DI Lead)	04/06/01	0.56	STLC DI Extract, mg/L	0.15	0.15	KR
050275-094	B35-S	EPA 7420 (STLC DI Lead)	04/06/01	4.5	STLC DI Extract, mg/L	0.15	0.15	KR
050275-097	B36-S	EPA 7420 (STLC DI Lead)	04/06/01	3.7	STLC DI Extract, mg/L	0.15	0.15	KR
050275-098	B36-1	EPA 7420 (STLC DI Lead)	04/06/01	2.3	STLC DI Extract, mg/L	0.15	0.15	KR
050275-099	B36-2	EPA 7420 (STLC DI Lead)	04/06/01	0.91	STLC DI Extract, mg/L	0.15	0.15	KR
050275-100	B37-S	EPA 7420 (STLC DI Lead)	04/06/01	1.4	STLC DI Extract, mg/L	0.15	0.15	KR
050275-103	B38-S	EPA 7420 (STLC DI Lead)	04/06/01	2.0	STLC DI Extract, mg/L	0.15	0.15	KR
050275-106	B39-S	EPA 7420 (STLC DI Lead)	04/06/01	2.3	STLC DI Extract, mg/L	0.15	0.15	KR
050275-112	B41-S	EPA 7420 (STLC DI Lead)	04/06/01	0.21	STLC DI Extract, mg/L	0.15	0.15	KR
050275-113	B41-1	EPA 7420 (STLC DI Lead)	04/06/01	0.88	STLC DI Extract, mg/L	0.15	0.15	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials:

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/06/01
Matrix: STLC DI Extract
QC Batch: 010406-4

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-20)	mg/L	ND
Method Blank(Spl 21-31)	mg/L	ND

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	04/06/01
Analyst:	KR	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010406-4

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50275-056	mg/L	0.8	1.2	43
50275-089	mg/L	0.3	0.4	48
50275-112	mg/L	0.2	1	121
50275-113	mg/L	0.9	1.3	39

Initials: @

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method:	EPA 7420	Date:	04/06/01
Analyst:	KR	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010406-4

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50275-056	mg/L	0.995	5	5	73	54-124
50275-089	mg/L	0.355	5	6	117	54-124
50275-112	mg/L	0.53	5	7	131	54-124
50275-113	mg/L	1.09	5	6	91	54-124

Initials: @

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel.: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	04/06/01
Analyst:	KR	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010406-4

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-20)	mg/L	5.0	4.90	98
LCS-2(Spl 21-33)	mg/L	5.0	4.83	97

Initials:

March 30, 2001

Bob Owoc
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX (858) 558-8437

ELAP No: 1838

RE: Route 5 Via de la Valle - 8900-06-107

Work Order No.: 050296

Attention: Bob Owoc

Enclosed are the results for sample(s) received on March 28, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWEN
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: Route 5, Via de la Valle
Project #: 8900-06-107
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/27/01 Time: 1600 Received by: (Signature and Printed Name) Date: 3/28/01 Time: 7:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn:
Co: client
Address
City State Zip

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

Special Instructions/Comments:
If Total lead >750ppm and <1,000 ppm analyze by WET CITRIC method. IF WET CITRIC is 75.0mg/L analyze by WET-DI method
Analyze 10% of samples for pH

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPHD (Diesel-GC) · Total lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE · OIL • SOLVENT • LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION
1		B42-S	3/27/01	1000	C	1	G	J
2		B42-1		1004				
3		B42-2		1008				
4		B43-S		1012				
5		B43-1		1014				
6		B43-2		1016				
7		B44-S		1019				
8		B44-1		1022				
9		B44-2		1026				
10		B45-S		1028				

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ ☐ OTHER

REMARKS

• TAT starts 8 a.m. following day if samples received after 5 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
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8900-06-107 Sampler: (Printed Name) R Owoc (Signature)

Relinquished by: (Signature and Printed Name)	Date: 3/27/01	Time: 1610	Received by: (Signature and Printed Name)	Date: 3/28/01	Time: 7:30
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPH/BTEX (COMBINATION) · 8015M TPH/D (Diesel-GC) · Total Lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) • SLUDGE · OIL • SOLVENT • LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ SF ☐ OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
11		B45-1	3/27/01	1030	C	1	GJ	
12		B45-2		1032				
13		B46-S		1033				
14		B46-1		1035				
15		B46-2		1037				
16		B47-S		1038				
17		B47-1		1041				
18		B47-2		1044				
19		B48-S		1046				
20		B48-1		1048				

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8900-06-107 Sampler: (Printed Name) BOB OWOC (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/27/01 Time: 1600 Received by: (Signature and Printed Name) _____ Date: 3/28/01 Time: 7:30
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name _____ Date _____
Signature _____

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); Total Lead Cd Cr

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL; SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION
21		B48-2	3/27/01	1050	C	1	6J	
22		B49-S		1058				
23		B49-1		1059				
24		B49-2		1103				
25		B50-S		1300				
26		B50-1		1302				
27		B50-2		1304				
28		B51-S		1308				
29		B51-1		1310				
30		B52-S	↓	1335				

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ ☑ ☐ OTHER _____

REMARKS

• TAT starts 8 a.m. following day if samples received after 5 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

g 4 of 4

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn:
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: BOB OWOC Project #: 08900-06-107 Sampler: (Printed Name) BOB OWOC (Signature)

Relinquished by: (Signature and Printed Name)	Date: 3/27/01	Time: 1600	Received by: (Signature and Printed Name)	Date: 3/28/01	Time: 7:30
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
BOB OWOC (Print Name) _____ (Date)
_____ (Signature)

Send Report To:
Attn: _____
Co: Client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TOTAL LEAD-6210

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
31		B52-1	3/27	1339	C	1	G	5
32		B52-2		1341				
33		B53-S		1345				
34		B53-1		1347				
35		B53-2		1348				
36		B54-S		1356				
37		B54-1		1358				
38		B54-2		1401				
39		B55-S		1402				
40		B55-1		1403				

* TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Address: 6970 Flanders Drive
TEL: (~~619~~ 858) 558-6100
Attn: Bob Owoc
City San Diego State CA Zip Code 92121
FAX: (~~619~~ 858) 558-8437
Project Name: Route 5 Via De La Valle Project #: 8900-06-107 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Date: 3/27/01	Time: 1600	Received By: (Signature and Printed Name)	Date: 3/28/01	Time: 7:30
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name _____ Date _____
Signature

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
see pg. 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☒ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPH/D (Diesel-GC) · Total Lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) · SLUDGE · OIL · SOLVENT · LIQUID · WATER · WASTEWATER · DRINKING WATER · AIR · WIPE · FILTER · OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
41		B55-2	3/27/01	1404	C	1	GJ	
42		B56-S		1410				
43		B56-1		1412				
44		B56-2		1416				
45		B57-S		1417				
46		B57-1		1418				
47		B57-2		1419				
48		B58-S		1422				
49		B58-1		1425				
50		B58-2		1429				

• TAT starts 8 a.m. following day if samples received after 5 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

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Signal Hill, CA 90807
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FOR LABORATORY USE ONLY:

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Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: RTE 5 Via De La Valle Project #: 08900-06-07
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/27/01 Time: 1600 Received by: (Signature and Printed Name) Date: 3/28/01 Time: 7:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn:
Co: Client
Address
City State Zip

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☒ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPHD (Diesel-GC) · TOTAL LEAD - 7010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE · OIL • SOLVENT • LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
51		B59-S	3/27	1432	C	1	G	5
52		B59-1		1435		1		
53		B59-2		1437				
54		B60-S		1440				
55		B60-1		1443				
56		B60-2		1445				
57		B62-S		1447				
58		B62-1		1448				
59		B62-2		1449				
60		B63-S		1454				

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Ouoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: Rte 5 Via de la Valle Project #: 890-06-107 Sampler: (Printed Name) Bob Ouoc (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/27/01 Time: 1600 Received by: (Signature and Printed Name) Date: 3/28/01 Time: 7:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State ____ Zip ____

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

Special Instructions/Comments:
See pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPHD (Diesel-GC)	TOTAL CAM 6010	CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s): #	Type	PRESERVATION	REMARKS
61		B63-1	3/27	1458							X								C	1	G	J	
62		B63-2		1500																			
63		B64-S		1510																			
64		B64-1		1512																			
65		B65-S ~~B65-2~~		1514																			
66		B65-1		1519																			
67		B65-2		1521																			
68		B C66-S		1523																			
69		B C66-1		1527																			
70		B67-S	V	1532																			

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ____

• TAT starts 8 a.m. following day if samples received after 5 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
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Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB CWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: Rte 5 & Via de la Valle Project #: 8900-06-C07 Sampler: R CWOC (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Date: 3/27/01	Time: 1610	Received by: (Signature and Printed Name)	Date: 3/28/01	Time: 7:30
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

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

Send Report To:
Attn: _____
Co: Client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPHD (Diesel-GC) · TOTAL LEAD 6010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE · OIL • SOLVENT • LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
71		B67-1	3/27	1535	C	1	G	
72		B67-2		1539				
73		B68-S		1540				
74		B68-1		1541				
75		B68-2		1543				

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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=$Na_2S_2O_3$

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01
Date Digested: 3/28/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050296-001	B42-S	EPA 7420 (Lead)	03/29/01	50	Soil, mg/kg	3.0	3.0	KR
050296-002	B42-1	EPA 7420 (Lead)	03/29/01	15	Soil, mg/kg	3.0	3.0	KR
050296-003	B42-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-004	B43-S	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-005	B43-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-006	B43-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-007	B44-S	EPA 7420 (Lead)	03/29/01	332	Soil, mg/kg	3.0	3.0	KR
050296-008	B44-1	EPA 7420 (Lead)	03/29/01	63	Soil, mg/kg	3.0	3.0	KR
050296-009	B44-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-010	B45-S	EPA 7420 (Lead)	03/29/01	902	Soil, mg/kg	3.0	6.0	KR
050296-011	B45-1	EPA 7420 (Lead)	03/29/01	15	Soil, mg/kg	3.0	3.0	KR
050296-012	B45-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-013	B46-S	EPA 7420 (Lead)	03/29/01	669	Soil, mg/kg	3.0	3.0	KR
050296-014	B46-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-015	B46-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-016	B47-S	EPA 7420 (Lead)	03/29/01	9	Soil, mg/kg	3.0	3.0	KR
050296-017	B47-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-018	B47-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-019	B48-S	EPA 7420 (Lead)	03/29/01	133	Soil, mg/kg	3.0	3.0	KR
050296-020	B48-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01
Date Digested: 3/28/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050296-021	B48-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-022	B49-S	EPA 7420 (Lead)	03/29/01	544	Soil, mg/kg	3.0	6.0	KR
050296-023	B49-1	EPA 7420 (Lead)	03/29/01	3	Soil, mg/kg	3.0	3.0	KR
050296-024	B49-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-025	B50-S	EPA 7420 (Lead)	03/29/01	40	Soil, mg/kg	3.0	3.0	KR
050296-026	B50-1	EPA 7420 (Lead)	03/29/01	174	Soil, mg/kg	3.0	3.0	KR
050296-027	B50-2	EPA 7420 (Lead)	03/29/01	112	Soil, mg/kg	3.0	3.0	KR
050296-028	B51-S	EPA 7420 (Lead)	03/29/01	92	Soil, mg/kg	3.0	3.0	KR
050296-029	B51-1	EPA 7420 (Lead)	03/29/01	278	Soil, mg/kg	3.0	3.0	KR
050296-030	B52-S	EPA 7420 (Lead)	03/29/01	561	Soil, mg/kg	3.0	6.0	KR
050296-031	B52-1	EPA 7420 (Lead)	03/29/01	51	Soil, mg/kg	3.0	3.0	KR
050296-032	B52-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-033	B53-S	EPA 7420 (Lead)	03/29/01	179	Soil, mg/kg	3.0	3.0	KR
050296-034	B53-1	EPA 7420 (Lead)	03/29/01	15	Soil, mg/kg	3.0	3.0	KR
050296-035	B53-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-036	B54-S	EPA 7420 (Lead)	03/29/01	45	Soil, mg/kg	3.0	3.0	KR
050296-037	B54-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-038	B54-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-039	B55-S	EPA 7420 (Lead)	03/29/01	626	Soil, mg/kg	3.0	6.0	KR
050296-040	B55-1	EPA 7420 (Lead)	03/29/01	7	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01
Date Digested: 3/28/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050296-041	B55-2	EPA 7420 (Lead)	03/29/01	5	Soil, mg/kg	3.0	3.0	KR
050296-042	B56-S	EPA 7420 (Lead)	03/29/01	388	Soil, mg/kg	3.0	6.0	KR
050296-043	B56-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-044	B56-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-045	B57-S	EPA 7420 (Lead)	03/29/01	23	Soil, mg/kg	3.0	3.0	KR
050296-046	B57-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-047	B57-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-048	B58-S	EPA 7420 (Lead)	03/29/01	147	Soil, mg/kg	3.0	3.0	KR
050296-049	B58-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-050	B58-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-051	B59-S	EPA 7420 (Lead)	03/29/01	284	Soil, mg/kg	3.0	3.0	KR
050296-052	B59-1	EPA 7420 (Lead)	03/29/01	77	Soil, mg/kg	3.0	3.0	KR
050296-053	B59-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-054	B60-S	EPA 7420 (Lead)	03/29/01	5	Soil, mg/kg	3.0	3.0	KR
050296-055	B60-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-056	B60-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-057	B62-S	EPA 7420 (Lead)	03/29/01	283	Soil, mg/kg	3.0	3.0	KR
050296-058	B62-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-059	B62-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	6.0	KR
050296-060	B63-S	EPA 7420 (Lead)	03/29/01	36	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01
Date Digested: 3/28/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050296-061	B63-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-062	B63-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	6.0	KR
050296-063	B64-S	EPA 7420 (Lead)	03/29/01	279	Soil, mg/kg	3.0	3.0	KR
050296-064	B64-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-065	B65-S	EPA 7420 (Lead)	03/29/01	600	Soil, mg/kg	3.0	6.0	KR
050296-066	B65-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-067	B65-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-068	B66-S	EPA 7420 (Lead)	03/29/01	860	Soil, mg/kg	3.0	6.0	KR
050296-069	B66-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-070	B67-S	EPA 7420 (Lead)	03/29/01	373	Soil, mg/kg	3.0	3.0	KR
050296-071	B67-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-072	B67-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-073	B68-S	EPA 7420 (Lead)	03/29/01	339	Soil, mg/kg	3.0	3.0	KR
050296-074	B68-1	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR
050296-075	B68-2	EPA 7420 (Lead)	03/29/01	ND	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Date: 03/29/01

Method: EPA 7420

Matrix: Soil

Analyst: KR

QC Batch: 010329-1

Analyte: Pb

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-20)	mg/Kg	ND
Method Blank(Spl 21-40)	mg/Kg	ND
Method Blank(Spl 41-60)	mg/Kg	ND
Method Blank(Spl 61-75)	mg/Kg	ND

Initials: _____

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	03/30/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010330-1

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50296-010	mg/Kg	990	813	20
50296-020	mg/Kg	ND	ND	0
50296-030	mg/Kg	601	521	14
50296-040	mg/Kg	8	6	29
50296-050	mg/Kg	ND	ND	0
50296-060	mg/Kg	34	39	15
50296-070	mg/Kg	430	316	31
50296-075	mg/Kg	ND	ND	0

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420 03/28/01

Analyst: KR SOIL

Analyte: Pb 010329-1

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50296-010	mg/Kg	990	250	731	104	54-124
50296-020	mg/Kg	ND	250	193	77	54-124
50296-030	mg/Kg	561	250	1008	179	54-124
50296-040	mg/Kg	7	250	201	78	54-124
50296-050	mg/Kg	ND	250	202	81	54-124
50296-060	mg/Kg	36	250	268	93	54-124
50296-070	mg/Kg	373	250	475	41	54-124
50296-075	mg/Kg	ND	250	197	79	54-124

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	03/30/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010330-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-20)	mg/Kg	5.0	4.10	82
LCS-2(Spl 21-40)	mg/Kg	5.0	4.06	81
LCS-3(Spl 41-60)	mg/Kg	5.0	4.24	85
LCS-4(Spl 61-75)	mg/Kg	5.0	4.30	86

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050296-001	B42-S	EPA 9045 (pH)	03/29/01	4.3	Soil	---	---	KR
050296-010	B44-2	EPA 9045 (pH)	03/29/01	5.8	Soil	---	---	KR
050296-020	B48-1	EPA 9045 (pH)	03/29/01	4.9	Soil	---	---	KR
050296-030	B52-S	EPA 9045 (pH)	03/29/01	6.8	Soil	---	---	KR
050296-040	B55-1	EPA 9045 (pH)	03/29/01	4.6	Soil	---	---	KR
050296-050	B58-2	EPA 9045 (pH)	03/29/01	5.6	Soil	---	---	KR
050296-060	B63-S	EPA 9045 (pH)	03/29/01	7.4	Soil	---	---	KR
050296-070	B67-S	EPA 9045 (pH)	03/29/01	5.7	Soil	---	---	KR
050296-075	B68-2	EPA 9045 (pH)	03/29/01	7.9	Soil	---	---	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method: EPA 9045
Analyst: KR
Analyte: pH

Date: 03/29/01
Matrix: Soil
QC Batch: 010329-1

ANALYTE	Sample I.D.	UNITS	Dup result
50296-075	B68-2	mg/Kg	8.0

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Route 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050296-007	B44-S	EPA 7420 (STLC Lead)	04/03/01	20	STLC Extract, mg/L	0.15	0.30	KR
050296-008	B44-I	EPA 7420 (STLC Lead)	04/03/01	12	STLC Extract, mg/L	0.15	0.30	KR
050296-010	B45-S	EPA 7420 (STLC Lead)	04/03/01	57	STLC Extract, mg/L	0.15	1.2	KR
050296-013	B46-S	EPA 7420 (STLC Lead)	04/03/01	50	STLC Extract, mg/L	0.15	0.75	KR
050296-019	B48-S	EPA 7420 (STLC Lead)	04/03/01	9.5	STLC Extract, mg/L	0.15	0.30	KR
050296-022	B49-S	EPA 7420 (STLC Lead)	04/03/01	54	STLC Extract, mg/L	0.15	1.2	KR
050296-026	B50-1	EPA 7420 (STLC Lead)	04/03/01	13	STLC Extract, mg/L	0.15	0.30	KR
050296-027	B50-2	EPA 7420 (STLC Lead)	04/03/01	10	STLC Extract, mg/L	0.15	0.30	KR
050296-028	B51-S	EPA 7420 (STLC Lead)	04/03/01	7.4	STLC Extract, mg/L	0.15	0.15	KR
050296-029	B51-1	EPA 7420 (STLC Lead)	04/03/01	21	STLC Extract, mg/L	0.15	0.45	KR
050296-030	B52-S	EPA 7420 (STLC Lead)	04/04/01	38	STLC Extract, mg/L	0.15	0.60	KR
050296-031	B52-1	EPA 7420 (STLC Lead)	04/04/01	7.2	STLC Extract, mg/L	0.15	0.15	KR
050296-033	B53-S	EPA 7420 (STLC Lead)	04/04/01	13	STLC Extract, mg/L	0.15	0.30	KR
050296-039	B55-S	EPA 7420 (STLC Lead)	04/04/01	65	STLC Extract, mg/L	0.15	1.2	KR
050296-042	B56-S	EPA 7420 (STLC Lead)	04/03/01	18	STLC Extract, mg/L	0.15	0.30	KR
050296-048	B58-S	EPA 7420 (STLC Lead)	04/03/01	4.8	STLC Extract, mg/L	0.15	0.15	KR
050296-051	B59-S	EPA 7420 (STLC Lead)	04/03/01	36	STLC Extract, mg/L	0.15	0.60	KR
050296-052	B59-1	EPA 7420 (STLC Lead)	04/03/01	4.4	STLC Extract, mg/L	0.15	0.15	KR
050296-057	B62-S	EPA 7420 (STLC Lead)	04/04/01	18	STLC Extract, mg/L	0.15	0.60	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____
1

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Route 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050296-063	B64-S	EPA 7420 (STLC Lead)	04/04/01	20	STLC Extract, mg/L	0.15	0.45	KR
050296-065	B65-S	EPA 7420 (STLC Lead)	04/04/01	35	STLC Extract, mg/L	0.15	0.60	KR
050296-068	B66-S	EPA 7420 (STLC Lead)	04/04/01	73	STLC Extract, mg/L	0.15	1.2	KR
050296-070	B67-S	EPA 7420 (STLC Lead)	04/04/01	38	STLC Extract, mg/L	0.15	0.60	KR
050296-073	B68-S	EPA 7420 (STLC Lead)	04/04/01	44	STLC Extract, mg/L	0.15	0.75	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: (2)

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/03/01
Matrix: STLC Extract
QC Batch: 010403-1

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-20)	mg/L	ND
Method Blank(Spl 21-24)	mg/L	ND

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	4/3/01
Analyst:	KR	Matrix:	STLC EXTRACT
Analyte:	Pb	QC Batch:	010403-1

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50296-019	mg/L	9.5	7.9	18
50275-070	mg/L	42.1	33.0	24
50275-065	mg/L	35	35	3

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel.: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method:	EPA 7420	Date:	04/03/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010403-1

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50296-019	mg/L	8.66	5	12	64	54-124
50296-070	mg/L	37.54	5	41	69	54-124
50275-065	mg/L	35	5	36	26	54-124

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	04/03/01
Analyst:	KR	Matrix:	STLC Extract
Analyte:	Pb	QC Batch:	010403-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-20)	mg/L	5.0	4.33	87
LCS-2(Spl 21-24)	mg/L	5.0	4.55	91

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050296-007	B44-S	EPA 7420 (STLC DI Lead)	04/09/01	2.1	STLC DI Extract, mg/L	0.15	0.15	EK
050296-008	B44-1	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050296-010	B45-S	EPA 7420 (STLC DI Lead)	04/09/01	2.7	STLC DI Extract, mg/L	0.15	0.15	EK
050296-013	B46-S	EPA 7420 (STLC DI Lead)	04/09/01	1.2	STLC DI Extract, mg/L	0.15	0.15	EK
050296-019	B48-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050296-022	B49-S	EPA 7420 (STLC DI Lead)	04/09/01	1.8	STLC DI Extract, mg/L	0.15	0.15	EK
050296-026	B50-1	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050296-027	B50-2	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050296-028	B51-S	EPA 7420 (STLC DI Lead)	04/09/01	0.68	STLC DI Extract, mg/L	0.15	0.15	EK
050296-029	B51-1	EPA 7420 (STLC DI Lead)	04/09/01	1.1	STLC DI Extract, mg/L	0.15	0.15	EK
050296-030	B52-S	EPA 7420 (STLC DI Lead)	04/09/01	2.8	STLC DI Extract, mg/L	0.15	0.15	EK
050296-031	B52-1	EPA 7420 (STLC DI Lead)	04/09/01	0.22	STLC DI Extract, mg/L	0.15	0.15	EK
050296-033	B53-S	EPA 7420 (STLC DI Lead)	04/09/01	0.20	STLC DI Extract, mg/L	0.15	0.15	EK
050296-042	B56-S	EPA 7420 (STLC DI Lead)	04/09/01	1.6	STLC DI Extract, mg/L	0.15	0.15	EK
050296-051	B59-S	EPA 7420 (STLC DI Lead)	04/09/01	0.45	STLC DI Extract, mg/L	0.15	0.15	EK
050296-057	B62-S	EPA 7420 (STLC DI Lead)	04/09/01	0.75	STLC DI Extract, mg/L	0.15	0.15	EK
050296-063	B64-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050296-065	B65-S	EPA 7420 (STLC DI Lead)	04/09/01	0.85	STLC DI Extract, mg/L	0.15	0.15	EK
050296-068	B66-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050296-070	B67-S	EPA 7420 (STLC DI Lead)	04/09/01	0.78	STLC DI Extract, mg/L	0.15	0.15	EK

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/28/01
Date Sampled: 3/27/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050296-039	B55-S	EPA 7420 (STLC DI Lead)	04/09/01	4.0	STLC DI Extract, mg/L	0.15	0.15	EK
050296-073	B68-S	EPA 7420 (STLC DI Lead)	04/09/01	0.69	STLC DI Extract, mg/L	0.15	0.15	EK

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials:

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: EK
Analyte: Pb

Date: 04/09/01
Matrix: STLC DI Extract
QC Batch: 010409-1

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-20)	mg/L	ND
Method Blank(Spl 21-22)	mg/L	ND

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	04/09/01
Analyst:	EK	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010409-1

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50296-028	mg/L	0.7	1.9	92
50275-065	mg/L .	0.9	1.3	42
50275-039	mg/L	4	2	67

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: EK
Analyte: Pb

Date: 04/09/01
Matrix: STLC DI Extract
QC Batch: 010409-1

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50296-028	mg/L	1.265	5	5	83	54-124
50296-065	mg/L	1.075	5	3	48	54-124
50296-039	mg/L	1.96	5	6	80	54-124

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	04/09/01
Analyst:	EK	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010409-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-20)	mg/L	5.0	4.40	88
LCS-2(Spl 21-22)	mg/L	5.0	4.29	86

Initials:

Advanced Technology Laboratories, Inc.
7245 Silverton Ave., Suite 1104
San Diego, CA 92126
(858) 566-6483 Phone
(858) 566-6527 Fax

FACSIMILE TRANSMITTAL

To: Bob Auer

Total Pages incl. cover: 13

Company: Geocon

From: Edward Kontos

Subject: RTE 5 Via de la Valle

Date: 3/27/01

Fax: 858-558-8437

Comments: ☒ Urgent ○ As requested ○ FYI ○ Please respond

Message:

Please authorize these samples to be analyzed by EPA 7420 for Lead. If you have any questions you can call me at (858) 566-6483.

Edward

Edward — EPA 7420 is authorized

[signature]

Bob Kocron

858
558
6100

April 02, 2001

Bob Owoc
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX (858) 558-8437

ELAP No: 1838

RE: Route 5 Via de la Valle - 8900-06-107

Work Order No.: 050334

Attention: Bob Owoc

Enclosed are the results for sample(s) received on March 29, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

Sent By: GEOCON ENV. CONSULTANTS, INC.; 858 550 8437 ; Mar-27-01 10:11AM; Page 1/1
To: ADV TECHNOLOGY At: 8585666483

Mar-27-01 09:41 ATL San Diego 8585666483 P.01

Advanced Technology Laboratories, Inc.
7845 Silverton Ave., Suite 1104
San Diego, CA 92126
(858) 566-6483 Phone
(858) 566-6627 Fax

FACSIMILE TRANSMITTAL

To: Bob Ovol
Company: Geocon
Subject: RTE 5 Via de la Valle
Fax: 858-558-8437

Total Pages incl. cover: 13
From: Edward Kontos
Date: 3/27/01

Comments: ☒ Urgent ☐ As requested ☐ FYI ☐ Please respond

Message: Please authorize these samples to be analyzed by EPA 7420 for lead. If you have any questions you can call me at (858) 566-6483.

Edward

Edward – EPA 7420 is authorized

RON KOPZON

858
558
6/00

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY: 1

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437 (858)

Project Name: Route 5 Via de la Valle Project #: 8900-06-107 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/28/01 Time: 1700 Received by: (Signature and Printed Name) Date: 3/29/01 Time: 7:45
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
IF Total lead >50 and <1,000 ppm analyze by WET Citric Method. IF WET Citric is >5 mg/L analyze by WET-DI Method
Analyze 10% for pH

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	Total Lead 6010	SOLID (SOIL) • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1		B69-S	3/28/01	1218	X	X							C	1	G	J	
2		B69-1		1220	V	V							V	V	V	V	
3		B70-S		1225													
4		B70-1		1231													
5		B80-S		1237													
6		B80-1		1240													
7		B80-2		1242													
8		B71-S		1246													
9		B71-1		1250													
10		B71-2		1252													

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 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
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (~~619~~ 858) 558-6100
FAX: (~~619~~ 858) 558-8437

Project Name: ROUTE 5 Via de la Valle Project #: 8900-06-107
Sampler: (Printed Name) B. Owoc (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/28/01 Time: 1700
Received by: (Signature and Printed Name) _____ Date: 3/29/01 Time: 7:45

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

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

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State ____ Zip ____

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☒ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) | 8260 (Volatiles-GC/MS) | 625 / 8270 (BNA-GC/MS) | Metals-Total (CAC-6010 / 7000) | 8015M TPHG/BTEX (COMBINATION) | 8015M TPH/D (Diesel-GC) | Total Lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE | OIL • SOLVENT • LIQUID | WATER • WASTEWATER | DRINKING WATER | AIR | WIPE • FILTER | OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION
21		B75-1	3/28/01	1321	C	1	G,T	
22		B76-S		1327		1		
23		B76-1		1331				
24		B77-S		1336				
25		B77-1		1340				
26		B77-2		1344				
27		B78-S		1346				
29		B78-1		1347				
29		B78-2		1348				
30		B79-S	↓	1351	↓	↓	↓	

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ____

REMARKS

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: Route 5 Via de la Valle Project #: 08900-06-107
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/28/01 Time: 1700 Received by: (Signature and Printed Name) Date: 3/29/01 Time: 7:45
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: Client
Address _____
City _____ State ____ Zip ____

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

Special Instructions/Comments:
See Page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) | 8260 (Volatiles-GC/MS) | 625 / 8270 (BNA-GC/MS) | Metals-Total (CAC-6010 / 7000) | 8015M TPHG/BTEX (COMBINATION) | 8015M TPHD (Diesel-GC) | TOTAL LEAD 6010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE | OIL • SOLVENT • LIQUID | WATER • WASTEWATER | DRINKING WATER | AIR | WIPE • FILTER | OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION	REMARKS
		B79-1	3/28	1354	C	1	GJ		
		B79-2	3/28	1358	C	1	GJ		

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ____

• TAT starts 8 a.m. following day if samples received after 5 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.

Client: Geocon Environmental-San Diego
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/29/01
Date Sampled: 3/28/01
Date Digested: 3/29/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050334-001	B69-S	EPA 7420 (Lead)	03/30/01	18	Soil, mg/kg	3.0	3.0	KR
050334-002	B69-1	EPA 7420 (Lead)	03/30/01	7	Soil, mg/kg	3.0	3.0	KR
050334-003	B70-S	EPA 7420 (Lead)	03/30/01	21	Soil, mg/kg	3.0	3.0	KR
050334-004	B70-1	EPA 7420 (Lead)	03/30/01	7	Soil, mg/kg	3.0	3.0	KR
050334-005	B80-S	EPA 7420 (Lead)	03/30/01	204	Soil, mg/kg	3.0	3.0	KR
050334-006	B80-1	EPA 7420 (Lead)	03/30/01	7	Soil, mg/kg	3.0	3.0	KR
050334-007	B80-2	EPA 7420 (Lead)	03/30/01	21	Soil, mg/kg	3.0	3.0	KR
050334-008	B71-S	EPA 7420 (Lead)	03/30/01	802	Soil, mg/kg	3.0	6.0	KR
050334-009	B71-1	EPA 7420 (Lead)	03/30/01	23	Soil, mg/kg	3.0	3.0	KR
050334-010	B71-2	EPA 7420 (Lead)	03/30/01	10	Soil, mg/kg	3.0	3.0	KR
050334-011	B72-S	EPA 7420 (Lead)	03/30/01	394	Soil, mg/kg	3.0	6.0	KR
050334-012	B72-1	EPA 7420 (Lead)	03/30/01	24	Soil, mg/kg	3.0	3.0	KR
050334-013	B72-2	EPA 7420 (Lead)	03/30/01	11	Soil, mg/kg	3.0	3.0	KR
050334-014	B73-S	EPA 7420 (Lead)	03/30/01	194	Soil, mg/kg	3.0	3.0	KR
050334-015	B73-1	EPA 7420 (Lead)	03/30/01	7	Soil, mg/kg	3.0	3.0	KR
050334-016	B73-2	EPA 7420 (Lead)	03/30/01	9	Soil, mg/kg	3.0	3.0	KR
050334-017	B74-S	EPA 7420 (Lead)	03/30/01	169	Soil, mg/kg	3.0	3.0	KR
050334-018	B74-1	EPA 7420 (Lead)	03/30/01	8	Soil, mg/kg	3.0	3.0	KR
050334-019	B74-2	EPA 7420 (Lead)	03/30/01	10	Soil, mg/kg	3.0	3.0	KR
050334-020	B75-S	EPA 7420 (Lead)	03/30/01	226	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental-San Diego
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/29/01
Date Sampled: 3/28/01
Date Digested: 3/29/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050334-021	B75-1	EPA 7420 (Lead)	03/30/01	6	Soil, mg/kg	3.0	3.0	KR
050334-022	B76-S	EPA 7420 (Lead)	03/30/01	98	Soil, mg/kg	3.0	3.0	KR
050334-023	B76-1	EPA 7420 (Lead)	03/30/01	83	Soil, mg/kg	3.0	3.0	KR
050334-024	B77-S	EPA 7420 (Lead)	03/30/01	351	Soil, mg/kg	3.0	3.0	KR
050334-025	B77-1	EPA 7420 (Lead)	03/30/01	45	Soil, mg/kg	3.0	3.0	KR
050334-026	B77-2	EPA 7420 (Lead)	03/30/01	25	Soil, mg/kg	3.0	3.0	KR
050334-027	B78-S	EPA 7420 (Lead)	03/30/01	654	Soil, mg/kg	3.0	6.0	KR
050334-028	B78-1	EPA 7420 (Lead)	03/30/01	27	Soil, mg/kg	3.0	3.0	KR
050334-029	B78-2	EPA 7420 (Lead)	03/30/01	7	Soil, mg/kg	3.0	3.0	KR
050334-030	B79-S	EPA 7420 (Lead)	03/30/01	50	Soil, mg/kg	3.0	3.0	KR
050334-031	B79-1	EPA 7420 (Lead)	03/30/01	7	Soil, mg/kg	3.0	3.0	KR
050334-032	B79-2	EPA 7420 (Lead)	03/30/01	9	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Date: 03/30/01

Method: EPA 7420

Matrix: Soil

Analyst: KR

QC Batch: 010330-1

Analyte: Pb

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-20)	mg/Kg	ND
Method Blank(Spl 21-32)	mg/Kg	ND

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	03/30/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010330-1

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50334-010	mg/Kg	10	10	0
50334-020	mg/Kg	194	259	29
50334-030	mg/Kg	52	48	9
50334-032	mg/Kg	9	9	0

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel.: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 03/30/01
Matrix: SOIL
QC Batch: 010330-1

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50334-010	mg/Kg	10	250	244	94	54-124
50334-020	mg/Kg	226	250	460	93	54-124
50334-030	mg/Kg	50	250	293	97	54-124
50334-032	mg/Kg	9	250	241	93	54-124

Initials

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	03/30/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010330-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-20)	mg/Kg	5.0	4.81	96
LCS-2(Spl 21-32)	mg/Kg	5.0	4.67	93

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/29/01
Date Sampled: 3/28/01

Date Amended: 04/18/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050334-010	B71-2	EPA 9045 (pH)	03/29/01	3.9	Soil	---	---	KR
050334-020	B75-S	EPA 9045 (pH)	03/29/01	5.8	Soil	---	---	KR
050334-030	B79-S	EPA 9045 (pH)	03/29/01	7.4	Soil	---	---	KR
050334-032	B79-2	EPA 9045 (pH)	03/29/01	8.4	Soil	---	---	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: DB

1

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method: EPA 9045
Analyst: KR
Analyte: pH

Date: 03/29/01
Matrix: Soil
QC Batch: 010329-1

ANALYTE	Sample I.D.	UNITS	Dup result
50334-032	B79-2	mg/Kg	8.5

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Route 5 Via de la Valle, 8900-06-107

Date Received: 3/29/01
Date Sampled: 3/28/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050334-005	B80-S	EPA 7420 (STLC Lead)	04/03/01	15	STLC Extract, mg/L	0.15	0.30	KR
050334-008	B71-S	EPA 7420 (STLC Lead)	04/03/01	53	STLC Extract, mg/L	0.15	1.5	KR
050334-011	B72-S	EPA 7420 (STLC Lead)	04/03/01	15	STLC Extract, mg/L	0.15	0.30	KR
050334-014	B73-S	EPA 7420 (STLC Lead)	04/03/01	15	STLC Extract, mg/L	0.15	0.30	KR
050334-017	B74-S	EPA 7420 (STLC Lead)	04/03/01	8.9	STLC Extract, mg/L	0.15	0.15	KR
050334-020	B75-S	EPA 7420 (STLC Lead)	04/03/01	16	STLC Extract, mg/L	0.15	0.30	KR
050334-022	B76-S	EPA 7420 (STLC Lead)	04/03/01	8.5	STLC Extract, mg/L	0.15	0.15	KR
050334-023	B76-1	EPA 7420 (STLC Lead)	04/03/01	4.3	STLC Extract, mg/L	0.15	0.15	KR
050334-024	B77-S	EPA 7420 (STLC Lead)	04/03/01	23	STLC Extract, mg/L	0.15	0.60	KR
050334-027	B78-S	EPA 7420 (STLC Lead)	04/03/01	21	STLC Extract, mg/L	0.15	0.45	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: R
1

This letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/03/01
Matrix: STLC Extract
QC Batch: 010403-1

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-20)	mg/L	ND
Method Blank(Spl 21-24)	mg/L	ND

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	04/03/01
Analyst:	KR	Matrix:	STLC EXTRACT
Analyte:	Pb	QC Batch:	010403-1

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50296-019	mg/L	9.5	7.9	18
50275-070	mg/L	42.1	33.0	24
50275-065	mg/L	35	35	3

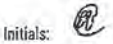
Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method:	EPA 7420	Date:	04/03/01
Analyst:	KR	Matrix:	STLC Extract
Analyte:	Pb	QC Batch:	010403-1

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50296-019	mg/L	8.66	5	12	64	54-124
50296-070	mg/L	37.54	5	41	69	54-124
50275-065	mg/L	35	5	36	26	54-124

Initials: 

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	04/03/01
Analyst:	KR	Matrix:	STLC Extract
Analyte:	Pb	QC Batch:	010403-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-20)	mg/L	5.0	4.33	87
LCS-2(Spl 21-24)	mg/L	5.0	4.55	91

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Rte 5 Via de la Valle, 8900-06-107

Date Received: 3/29/01
Date Sampled: 3/28/01

Date Amended: 05/23/01

Lab.No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050334-005	B80-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050334-008	B71-S	EPA 7420 (STLC DI Lead)	04/09/01	0.23	STLC DI Extract, mg/L	0.15	0.15	EK
050334-011	B72-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050334-014	B73-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050334-017	B74-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050334-020	B75-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050334-022	B76-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK
050334-024	B77-S	EPA 7420 (STLC DI Lead)	04/09/01	2.0	STLC DI Extract, mg/L	0.15	0.15	EK
050334-027	B78-S	EPA 7420 (STLC DI Lead)	04/09/01	ND	STLC DI Extract, mg/L	0.15	0.15	EK

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

1

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: EK
Analyte: Pb

Date: 04/09/01
Matrix: STLC DI Extract
QC Batch: 010409-1

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-8)	mg/L	ND
Method Blank(Spl 9)	mg/L	ND

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	04/09/01
Analyst:	KR	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010409-1

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50296-039	mg/L	2.0	4.0	67
50335-005	mg/L	0.9	1.1	11

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/09/01
Matrix: STLC DI Extract
QC Batch: 010409-1

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50296-039	mg/L	1.96	5	6	80	54-124
50335-005	mg/L	0.995	5	4	69	54-124

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method: EPA 7420
Analyst: EK
Analyte: Pb

Date: 04/09/01
Matrix: STLC DI Extract
QC Batch: 010409-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-8)	mg/L	5.0	4.29	86
LCS-1(Spl 9)	mg/L	5.0	4.31	86

Initials:

April 04, 2001

Bob Owoc
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX (858) 558-8437

ELAP No: 1838

RE: Route 5 Via de la Valle, 8900-06-107 - Work Order No.: 050401

Attention: Bob Owoc

Enclosed are the results for sample(s) received on March 30, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories, Inc.
7848 Silverton Ave., Suite 1104
San Diego, CA 92126
(858) 566-6483 Phone
(858) 566-6527 Fax

FACSIMILE TRANSMITTAL

To: Bob Ouoc
Company: Geocon
Subject: RTE.5 Va. de la Valle
Fax: 858-558-8437

Total Pages (incl. cover): 13
From: Edward Kontos
Date: 3/27/01

Comments: ☒ Urgent ○ As requested ○ FYI ○ Please respond

Message: Please authorize these samples to be analyzed by EPA 7420 for Lead. If you have any questions you can call me at (858) 566-6483.

Edward

Edward — EPA 7420 is authorized

[signature]

Ron Kopron

858
558
6/00

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☒

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 ENVIRONMENTAL - SAN DIEGO
Attn: BOB OWOC
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 858-6100
FAX: (619) 558-8437

Project Name: ROUTE 5 Via de la Valle Project #:
Sampler: (Printed Name) R OWOC (Signature)

Relinquished by: (Signature and Printed Name) Date: 3/30/01 Time: 1300 Received by: (Signature and Printed Name) Date: 3/30/01 Time: 4:30p
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn:
Co: client
Address
City State Zip

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

Special Instructions/Comments:
If total lead ≥ 50ppm and < 1,000ppm analyze by WET Citric Method. IF WET citric ≥ 5mg/L analyze by WET DI Method
Analyze 10% of samples for pH

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
~~Laboratory Standard~~
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 6081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPHD (Diesel-GC) · Total Lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE · OIL • SOLVENT · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
1		B 80-S	3/30/01	0900	C	1	G, J	
2		B 80-1		0902				
3		B 80-2		0903				
4		B 81-S		0919				
5		B 81-1		0922				
6		B 81-2		0924				
7		B 82-S		0928				
8		B 82-1		0930				
9		B 82-2		0931				
10		B 83-S		0940			C, J	

• TAT starts 8 a.m. following day if samples received after 5 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
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☒

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (858) 558-6100
FAX: (858) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8900-06-107
Sampler: (Printed Name) R Owoc (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 3/30/01 Time: 1300
Received by: (Signature and Printed Name) _____ Date: 3/30/01 Time: 1430

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

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

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name _____ Date _____
Signature _____

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
See pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) • 8260 (Volatiles-GC/MS) • 625 / 8270 (BNA-GC/MS) • Metals-Total (CAC-6010 / 7000) • 8015M TPHG/BTEX (COMBINATION) • 8015M TPH/D (Diesel-GC) • X = TPHd test

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE | OIL • SOLVENT • LIQUID | WATER • WASTEWATER | DRINKING WATER | AIR | WIPE • FILTER | OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION	REMARKS
11		B83-1	3/30/01	0942	C	1	6J		
12		B83-2	3/30/01	0945	C	1	6J		

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Route 5 Via de la Valle, 8900-06-107

Date Received: 3/30/01
Date Sampled: 3/29/01
Date Digested: 3/30/01
Digestion Method: EPA 3051

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050401-001	B80-S	EPA 7420 (Lead)	04/02/01	702	Soil, mg/kg	3.0	3.0	KR
050401-002	B80-1	EPA 7420 (Lead)	04/02/01	9	Soil, mg/kg	3.0	3.0	KR
050401-003	B80-2	EPA 7420 (Lead)	04/02/01	8	Soil, mg/kg	3.0	3.0	KR
050401-004	B81-S	EPA 7420 (Lead)	04/02/01	2128	Soil, mg/kg	3.0	3.0	KR
050401-005	B81-1	EPA 7420 (Lead)	04/02/01	12	Soil, mg/kg	3.0	3.0	KR
050401-006	B81-2	EPA 7420 (Lead)	04/02/01	17	Soil, mg/kg	3.0	3.0	KR
050401-007	B82-S	EPA 7420 (Lead)	04/02/01	401	Soil, mg/kg	3.0	3.0	KR
050401-008	B82-1	EPA 7420 (Lead)	04/02/01	10	Soil, mg/kg	3.0	3.0	KR
050401-009	B82-2	EPA 7420 (Lead)	04/02/01	13	Soil, mg/kg	3.0	3.0	KR
050401-010	B83-S	EPA 7420 (Lead)	04/02/01	1497	Soil, mg/kg	3.0	3.0	KR
050401-011	B83-1	EPA 7420 (Lead)	04/02/01	14	Soil, mg/kg	3.0	3.0	KR
050401-012	B83-2	EPA 7420 (Lead)	04/02/01	62	Soil, mg/kg	3.0	3.0	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: (B)

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/02/01
Matrix: Soil
QC Batch: 010402-3

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-12)	mg/Kg	ND

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	04/02/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010402-3

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50401-010	mg/Kg	1396	1598	13
50348-087	mg/Kg	491	453	8

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/02/01
Matrix: Soil
QC Batch:ICAP 010402-3

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50401-010	mg/Kg	1497	250	1914	167	54-124
50348-087	mg/Kg	471.75	250	924	181	54-124

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	04/02/01
Analyst:	KR	Matrix:	Soil
Analyte:	Pb	QC Batch:	010402-3

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-12)	mg/Kg	5.0	4.62	92

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Route 5 Via de la Valle, 8900-06-107

Date Received: 3/30/01
Date Sampled: 3/29/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
050401-006	B81-2	EPA 9045 (pH)	03/29/01	7.4	Soil	---	---	KR
050401-012	B83-2	EPA 9045 (pH)	03/29/01	6.7	Soil	---	---	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: [illegible]

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method: EPA 9045
Analyst: KR
Analyte: pH

Date: 03/29/01
Matrix: Soil
QC Batch: 010329-1

ANALYTE	Sample I.D.	UNITS	Dup result
50401-012	B83-2	mg/Kg	6.5

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Route 5 Via de la Valle, 8900-06-107

Date Received: 3/30/01
Date Sampled: 3/29/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050401-001	B80-S	EPA 7420 (STLC Lead)	04/02/01	90	STLC Extract, mg/L	0.15	1.5	KR
050401-007	B82-S	EPA 7420 (STLC Lead)	04/02/01	76	STLC Extract, mg/L	0.15	1.2	KR
050401-012	B83-2	EPA 7420 (STLC Lead)	04/02/01	14	STLC Extract, mg/L	0.15	0.30	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

1

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/02/01
Matrix : STLC Extract
QC Batch: 010406-3

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-3)	mg/L	ND

Initials:

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	04/06/01
Analyst:	KR	Matrix:	STLC Extract
Analyte:	Pb	QC Batch:	010406-3

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50401-012	mg/L	12	16	26

Initials: @2

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: KR
Analyte: Pb
Date: 04/06/01
Matrix: STLC Extract
QC Batch: 010406-3

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50401-012	mg/L	14	5	16.08	42	54-124

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/02/01
Matrix: STLC Extract
QC Batch: 010406-3

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-3)	mg/L	5.0	4.30	86

Initials:

Client: Geocon Environmental
Attn: Bob Owoc

Client's Project: Route 5 Via de la Valle, 8900-06-107

Date Received: 3/30/01
Date Sampled: 3/29/01

Date Amended: 05/23/01

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results,	Matrix, Units	MDL	DLR	Analyst
050401-001	B80-S	EPA 7420 (STLC DI Lead)	04/11/01	2.8	STLC DI Extract, mg/L	0.15	0.15	KR
050401-007	B82-S	EPA 7420 (STLC DI Lead)	04/11/01	0.23	STLC DI Extract, mg/L	0.15	0.15	KR
050401-012	B83-2	EPA 7420 (STLC DI Lead)	04/11/01	0.64	STLC DI Extract, mg/L	0.15	0.15	KR

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method Blank Summary

Method: EPA 7420
Analyst: KR
Analyte: Pb

Date: 04/11/01
Matrix : STLC DI Extract
QC Batch: 010411-2

ANALYTE	UNITS	METHOD BLANK CONC
Method Blank(Spl 1-3)	mg/L	ND

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Duplicate Summary

Method:	EPA 7420	Date:	04/11/01
Analyst:	KR	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010411-2

ANALYTE	UNITS	SPL Conc	Dup result	RPD
50401-012	mg/L	12	16	26

Initials: 2

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method:	EPA 7420	Date:	04/11/01
Analyst:	KR	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010411-2

ANALYTE	UNITS	SPL CONC	SPK ADDED	MS RESULT	%MS REC	% REC Limit
50401-012	mg/L	14	5	16.08	42	54-124

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

LCS Summary

Method:	EPA 7420	Date:	04/11/01
Analyst:	KR	Matrix:	STLC DI Extract
Analyte:	Pb	QC Batch:	010411-2

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec
LCS-1(Spl 1-3)	mg/L	5.0	4.30	86

Initials: [illegible]

April 30, 2001

Bob Owoc
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX (858) 558-8437

ELAP No: 1838

RE: Rte 5-Via de la Valle - 08900-06-107

Work Order No.: 050785

Attention: Bob Owoc

Enclosed are the results for sample(s) received on April 25, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Ouoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: Rte 5 - Via de → Levadia Project #: 08900-06-107 Sampler: (Printed Name) Jim Leonard (Signature)

Relinquished by: (Signature and Printed Name)	Date: 4/25/01	Time: 1600	Received by: (Signature and Printed Name)	Date: 4/25/01	Time: 1630
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name _____ Date _____
Signature _____

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
IF TOTAL LEAD 750ppm and < 1,000 ppm ANALYZE BY WET-CITRIC METHOD. IF WET CITRIC 75mg/L ANALYZE BY WET-DI METHOD
ANALYZE 10% for pH

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC); total lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION
	50785	B84-S	4/25	9:53	C	1	J6	
		B84-1		955				
		B84-2		957				
		B85-S		1025				
		B85-1		1028				
		B85-2		1032				
		B86-S		1030				
		B86-1		1032				
		B86-2		1034				
		B87-S		1042				

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ____ REMARKS

• TAT starts 8 a.m. following day if samples received after 5 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
1510 E. 33rd Street
Signal Hill, CA 90807
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P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Ouoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8900-0C-107 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 4/25/01 Time: 1600 Received by: (Signature and Printed Name) Date: 4/25/01 Time: 16:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State ____ Zip ____

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

Special Instructions/Comments:
See pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-5010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPHD (Diesel-GC) · total lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE · OIL • SOLVENT • LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

PRESERVATION

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
		B87-1	4/25	1047	C	1	6J	
		B87-2		1050		1		
		B88-S		1046				
		B88-1		1048				
		B88-2		1052				
		B89-S		1100				
		B89-1		1102				
		B89-2		1106				
		B90-S		1104				
		B90-1		1108				

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 ENVIRONMENTAL - SAN DIEGO
Attn: Bob Owoc
Address: 6970 Flanders Drive
City San Diego State CA Zip Code 92121
TEL: (619) 558-6100
FAX: (619) 558-8437

Project Name: Route 5 Via de la Valle Project #: 8900-04-107 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 4/25/01 Time: 1600 Received by: (Signature and Printed Name) Date: 4/25/01 Time: 16:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn:
Co: client
Address
City State Zip

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); to TPH lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION	REMARKS
		B90-2	4/25	1111	C	1	G-J		
		B91-S		1114					
		B91-1		1115					
		B91-2		1122					
		B92-S		1113					
		B92-1		1118					
		B92-2		1121					
		B93-S		1138					
		B93-1		1142					rev 02
		B94-S		1139					

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

• TAT starts 8 a.m. following day if samples received after 5 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
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Rte 5 Via de la Valle Project #: 8900-06-107 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 4/25/01 Time: 1600 Received by: (Signature and Printed Name) Date: 4/26/01 Time: 1630
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
See pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) | 8260 (Volatiles-GC/MS) | 625 / 8270 (BNA-GC/MS) | Metals-Total (CAC-6010 / 7000) | 8015M TPHG/BTEX (COMBINATION) | 8015M TPH/D (Diesel-GC) | Total Lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE | OIL • SOLVENT • LIQUID | WATER • WASTEWATER | DRINKING WATER | AIR | WIPE • FILTER | OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
		B44-1	4/25	1142	C	1	G	
		B44-2		1145				
		B95-S		1150				
		B95-1		1153				
		B95-2		1158				
		B101-S		1154				
		B101-1		1157				Hold @ 2
		B96-S		1159				
		B96-1		1210				
		B96-2		1215				

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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 San Diego
Attn: Bob Ovoc
Address: 6970 Flanders
City San Diego State CA Zip Code 92121
TEL: (858) 558-6100
FAX: (858)

Project Name: RES-Wade → Leucadia Project #: 08900-06
Sampler: (Printed Name) Tim Leonard (Signature)

Relinquished by: (Signature and Printed Name) Date: 4/25/01 Time: 1600 Received by: (Signature and Printed Name) Date: 4/26/01 Time: 10:30
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

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

Send Report To:
Attn: _____
Co: Client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
See page 1

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Sample Archive/Disposal:
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☐ Other _____
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* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

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CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	REMARKS
		B100-S	4/25	1211	e	1	J/G	
		B100-1		1215				
		B100-2		1220				
		B97-S		1225				
		B97-1		1229				
		B97-2		1233				
		B99-S		1231				
		B99-1		1235				
		B99-2		1238				
		B98-S		1242				

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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
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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
Attn: BOB OWOC
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Route 5 Via De La Valle
Project #: 8900-06-107
Sampler: (Printed Name) R. Owoc (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 4/25/01 Time: 1600 Received by: (Signature and Printed Name) _____ Date: 4/25/01 Time: 1630

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

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

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
see page 1

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CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION
		B98-1	4/25	1250	C	1	GT	N
		B98-2		1258				
		B102-S		1410				
		B102-1		1415				
		B102-2		1422				
		B103-S		1427				
		B103-1		1429				
		B103-2		1431				
		B104-S		1434				
		B104-1		1435				

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

REMARKS

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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

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FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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
Attn: Bob Owoc
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Route 5 Via de la Valle
Project #: 8900-06-107
Sampler: (Printed Name) R Owoc (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 4/25/01 Time: 1600 Received by: (Signature and Printed Name) _____ Date: 4/26/01 Time: 16:30

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

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

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC); X-total lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ ☐ OTHER _____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	REMARKS
		B104-2	4/25/01	1436	C	1	G-T	
		B105-S		1439				
		B105-1		1440				
		B105-2		1443				
		B106-S		1445				
		B106-1		1446				
		B106-2		1447				
		B107-S		1450				
		B107-1		1451				
		B107-2	↓	1452				

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

Yellow folder Pink to submitter

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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
Attn: BOB OWOC
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Route 5 Via de la Valle
Project #: 8900-06-107
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 4/25/01 Time: 1600
Received by: (Signature and Printed Name) Date: 4/25/01 Time: 16:50

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

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

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

Send Report To:
Attn:
Co: client
Address
City State Zip

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

Special Instructions/Comments:
see pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☑ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals-Total (CAC-6010 / 7000) · 8015M TPHG/BTEX (COMBINATION) · 8015M TPHD (Diesel-GC) · Total lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE · OIL • SOLVENT • LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

Container(s): TAT · # · Type

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ ST ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	#	Type	PRESERVATION	REMARKS
		B108-S	4/25/01	1455	C	1	G,T		
		B108-1		1456					
		B108-2		1459					
		B109-S		1505					
		B109-1		1507					
		B109-2		1510					
		B110-S		1512					
		B110-1		1513					
		B110-2		1516					
		B111-S		1520					

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

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

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

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
Attn: Bob Owoc
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Route 5 Via de la Valle
Project #: 8900-06-107
Sampler: (Printed Name) R Owoc (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 4/25/01 Time: 1600 Received by: (Signature and Printed Name) _____ Date: 4/25/07 Time: 16:30
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

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

Send Report To:
Attn: _____
Co: client
Address _____
City _____ State _____ Zip _____

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

Special Instructions/Comments:
see page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) | 8260 (Volatiles-GC/MS) | 625 / 8270 (BNA-GC/MS) | Metals-Total (CAC-6010 / 7000) | 8015M TPHG/BTEX (COMBINATION) | 8015M TPHD (Diesel-GC) | total lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE | OIL • SOLVENT • LIQUID | WATER • WASTEWATER | DRINKING WATER | AIR | WIPE • FILTER | OTHER

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Type	PRESERVATION
		B111-1	4/25/01	1522	C	1	GJ	
		B111-2	"	1524	C	1	GJ	

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____
REMARKS

• TAT starts 8 a.m. following day if samples received after 5 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=$Na_2S_2O_3$

Advanced Technology Laboratories

Print Date: *30-Apr-01*

CLIENT:	Geocon Environmental	Test No:	EPA 7420
Lab Order:	050785	Units:	mg/Kg
Project:	Rte 5-Via de la Valle - 08900-06-107	Analyst:	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
50785-001A	B84-S	Soil	4/25/01	D0086	ND	5		1	4/26/01
50785-002A	B84-1	Soil	4/25/01	D0086	ND	5		1	4/26/01
50785-003A	B84-2	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-004A	B85-S	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-005A	B85-1	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-006A	B85-2	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-007A	B86-S	Soil	4/25/01	D0086	180	5		1	4/26/01
050785-008A	B86-1	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-009A	B86-2	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-010A	B87-S	Soil	4/25/01	D0086	86	5		1	4/26/01
050785-011A	B87-1	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-012A	B87-2	Soil	4/25/01	D0086	ND	5		1	4/26/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:

1

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *30-Apr-01*

CLIENT:	Geocon Environmental	**Test No:**	EPA 7420
Lab Order:	050785	**Units:**	mg/Kg
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-013A	B88-S	Soil	4/25/01	D0086	820	15		3	4/26/01
050785-014A	B88-1	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-015A	B88-2	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-016A	B89-S	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-017A	B89-1	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-018A	B89-2	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-019A	B90-S	Soil	4/25/01	D0086	840	15		3	4/26/01
050785-020A	B90-1	Soil	4/25/01	D0086	ND	5		1	4/26/01
050785-021A	B90-2	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-022A	B91-S	Soil	4/25/01	D0087	81	5		1	4/26/01
050785-023A	B91-1	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-024A	B91-2	Soil	4/25/01	D0087	12	5		1	4/26/01

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Initials:

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *30-Apr-01*

CLIENT:	Geocon Environmental	**Test No:**	EPA 7420
Lab Order:	050785	**Units:**	mg/Kg
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-025A	B92-S	Soil	4/25/01	D0087	11	5		1	4/26/01
050785-026A	B92-1	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-027A	B92-2	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-028A	B93-S	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-029A	B93-1	Soil	4/25/01	D0087	47	5		1	4/26/01
050785-030A	B94-S	Soil	4/25/01	D0087	10	5		1	4/26/01
050785-031A	B94-1	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-032A	B94-2	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-033A	B95-S	Soil	4/25/01	D0087	760	15		3	4/26/01
050785-034A	B95-1	Soil	4/25/01	D0087	79	5		1	4/26/01
050785-035A	B95-2	Soil	4/25/01	D0087	190	5		1	4/26/01
050785-036A	B101-S	Soil	4/25/01	D0087	180	5		1	4/26/01

Qualifiers:

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Initials:

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *30-Apr-01*

CLIENT:	Geocon Environmental	**Test No:**	EPA 7420
Lab Order:	050785	**Units:**	mg/Kg
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-037A	B101-1	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-038A	B96-S	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-039A	B96-1	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-040A	B96-2	Soil	4/25/01	D0087	ND	5		1	4/26/01
050785-041A	B100-S	Soil	4/25/01	D0088	11	5		1	4/26/01
050785-042A	B100-1	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-043A	B100-2	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-044A	B97-S	Soil	4/25/01	D0088	20	5		1	4/26/01
050785-045A	B97-1	Soil	4/25/01	D0088	5.5	5		1	4/26/01
050785-046A	B97-2	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-047A	B99-S	Soil	4/25/01	D0088	2100	25		5	4/26/01
050785-048A	B99-1	Soil	4/25/01	D0088	ND	5		1	4/26/01

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Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *30-Apr-01*

CLIENT:	Geocon Environmental	**Test No:**	EPA 7420
Lab Order:	050785	**Units:**	mg/Kg
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-049A	B99-2	Soil	4/25/01	D0088	5.0	5		1	4/26/01
050785-050A	B98-S	Soil	4/25/01	D0088	39	5		1	4/26/01
050785-051A	B98-1	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-052A	B98-2	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-053A	B102-S	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-054A	B102-1	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-055A	B102-2	Soil	4/25/01	D0088	7.0	5		1	4/26/01
050785-056A	B103-S	Soil	4/25/01	D0088	32	5		1	4/26/01
050785-057A	B103-1	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-058A	B103-2	Soil	4/25/01	D0088	ND	5		1	4/26/01
050785-059A	B104-S	Soil	4/25/01	D0088	1200	20		4	4/26/01
050785-060A	B104-1	Soil	4/25/01	D0088	ND	5		1	4/26/01

Qualifiers:

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M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *30-Apr-01*

CLIENT:	Geocon Environmental	**Test No:**	EPA 7420
Lab Order:	050785	**Units:**	mg/Kg
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-061A	B104-2	Soil	4/25/01	D0089	ND	5		1	4/26/01
050785-062A	B105-S	Soil	4/25/01	D0089	260	5		1	4/26/01
050785-063A	B105-1	Soil	4/25/01	D0089	ND	5		1	4/26/01
050785-064A	B105-2	Soil	4/25/01	D0089	ND	5		1	4/26/01
050785-065A	B106-S	Soil	4/25/01	D0089	54	5		1	4/26/01
050785-066A	B106-1	Soil	4/25/01	D0089	28	5		1	4/26/01
050785-067A	B106-2	Soil	4/25/01	D0089	40	5		1	4/26/01
050785-068A	B107-S	Soil	4/25/01	D0089	200	5		1	4/26/01
050785-069A	B107-1	Soil	4/25/01	D0089	5.5	5		1	4/26/01
050785-070A	B107-2	Soil	4/25/01	D0089	10	5		1	4/26/01
050785-071A	B108-S	Soil	4/25/01	D0089	16	5		1	4/26/01
050785-072A	B108-1	Soil	4/25/01	D0089	ND	5		1	4/26/01

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
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M - Not Monitored. Highly Reactive

Initials:

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *30-Apr-01*

CLIENT:	Geocon Environmental	**Test No:**	EPA 7420
Lab Order:	050785	**Units:**	mg/Kg
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-073A	B108-2	Soil	4/25/01	D0089	ND	5		1	4/26/01
050785-074A	B109-S	Soil	4/25/01	D0089	440	5		1	4/26/01
050785-075A	B109-1	Soil	4/25/01	D0089	ND	5		1	4/26/01
050785-076A	B109-2	Soil	4/25/01	D0089	ND	5		1	4/26/01
050785-077A	B110-S	Soil	4/25/01	D0089	270	5		1	4/26/01
050785-078A	B110-1	Soil	4/25/01	D0089	ND	5		1	4/26/01
050785-079A	B110-2	Soil	4/25/01	D0089	ND	5		1	4/26/01
050785-080A	B111-S	Soil	4/25/01	D0089	880	15		3	4/26/01
050785-081A	B111-1	Soil	4/25/01	D0090	ND	5		1	4/26/01
050785-082A	B111-2	Soil	4/25/01	D0090	11	5		1	4/26/01

Qualifiers:
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- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interference.
- H - Samples exceeding analytical holding time
- E - Value above quantitation range
- M - Not Monitored. Highly Reactive

Initials:

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *30-Apr-01*

CLIENT:	Geocon Environmental	**Test No:**	EPA 9045C
Lab Order:	050785	**Units:**	pH Units
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	BR

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	pH	PQL	Qual	DF	Analysis Date
050785-001A	B84-S	Soil	4/25/01	010426-1	7.90	0.1		1	4/26/01
050785-011A	B87-1	Soil	4/25/01	010426-1	4.60	0.1		1	4/26/01
050785-021A	B90-2	Soil	4/25/01	010426-1	7.90	0.1		1	4/26/01
050785-031A	B94-1	Soil	4/25/01	010426-1	8.20	0.1		1	4/26/01
050785-041A	B100-S	Soil	4/25/01	010426-1	7.70	0.1		1	4/26/01
050785-051A	B98-1	Soil	4/25/01	010426-1	7.60	0.1		1	4/26/01
050785-061A	B104-2	Soil	4/25/01	010426-1	8.10	0.1		1	4/26/01
050785-071A	B108-S	Soil	4/25/01	010426-1	7.40	0.1		1	4/26/01
050785-081A	B111-1	Soil	4/25/01	010426-1	7.20	0.1		1	4/26/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Apr-01*

CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Method Blank

Sample ID **MB-0086A** Batch ID: **D0086** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MBLK SeqNo: **126568**

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

Sample ID **MB-0086B** Batch ID: **D0086** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MBLK SeqNo: **126581**

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

Sample ID **MB-0087A** Batch ID: **D0087** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MBLK SeqNo: **126605**

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

Sample ID **MB-0087B** Batch ID: **D0087** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MBLK SeqNo: **126618**

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

Sample ID **MB-0088A** Batch ID: **D0088** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MBLK SeqNo: **126633**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0		0				0			J

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials:

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Method Blank

Sample ID MB-0088B Batch ID: D0088 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
MBLK SeqNo: 126646

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0		0				0			J

Sample ID MB-0089A Batch ID: D0089 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
MBLK SeqNo: 126721

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0		0				0			J

Sample ID MB-0089B Batch ID: D0089 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
MBLK SeqNo: 126734

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0		0				0			J

Sample ID MB-0090A Batch ID: D0090 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
MBLK SeqNo: 126749

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0		0				0			J

Qualifiers:
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DO - Surrogate Diluted Out

Initials: [illegible]

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Advanced Technology Laboratories

Date: *30-Apr-01*

CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Sample Duplicate

Sample ID **050785-010A** DUP Batch ID: **D0086** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01** SeqNo: **126579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	190	5.0	0	0	0	0	0	86	74	30	R

Sample ID **050785-020A** DUP Batch ID: **D0086** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01** SeqNo: **126592**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1	5.0	0	0	0	0	0	2	67	30	JR

Sample ID **050785-030A** DUP Batch ID: **D0087** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01** SeqNo: **126616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	38	5.0	0	0	0	0	0	10	118	30	R

Sample ID **050785-040A** DUP Batch ID: **D0087** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01** SeqNo: **126629**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	0	0	30	

Sample ID **050785-050A** DUP Batch ID: **D0088** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01** SeqNo: **126644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32	5.0	0	0	0	0	0	39	21	30	

Qualifiers:
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Initials:

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CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Sample Duplicate

Sample ID 050785-060A Batch ID: D0088 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
DUP SeqNo: 126657

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2	5.0	0	0	0	0	0	1	86	30	JR

Sample ID 050785-070A Batch ID: D0089 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
DUP SeqNo: 126732

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16	5.0	0	0	0	0	0	10	46	30	R

Sample ID 050785-080A Batch ID: D0089 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
DUP SeqNo: 126745

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	750	15	0	0	0	0	0	880	17	30	

Sample ID 050785-082A Batch ID: D0090 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
DUP SeqNo: 126752

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14	5.0	0	0	0	0	0	11	24	30	

Sample ID 050785-081A Batch ID: 010426-1 Test Name pH Units pH Uni Analysis Date: 4/26/01 Prep Date:
DUP SeqNo: 128026

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.2	0.10	0	0	0	0	0	7.2	0	20	

Qualifiers:
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DO - Surrogate Diluted Out

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Advanced Technology Laboratories

Date: *30-Apr-01*

CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **050785-010A** Batch ID: **D0086** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MS SeqNo: **126580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290	5.0	250	86	80	50	150	0			

Sample ID **050785-020A** Batch ID: **D0086** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MS SeqNo: **126593**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	190	5.0	250	2	76	50	150	0			

Sample ID **050785-030A** Batch ID: **D0087** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MS SeqNo: **126617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	5.0	250	10	89	50	150	0			

Sample ID **050785-040A** Batch ID: **D0087** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MS SeqNo: **126630**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	5.0	250	0	88	50	150	0			

Sample ID **050785-050A** Batch ID: **D0088** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
MS SeqNo: **126645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	5.0	250	39	80	50	150	0			

Qualifiers:
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S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID 050785-060A Batch ID: D0088 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
MS SeqNo: 126658

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	5.0	250	1	90	50	150	0			

Sample ID 050785-070A Batch ID: D0089 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
MS SeqNo: 126733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	5.0	250	10	85	50	150	0			

Sample ID 050785-080A Batch ID: D0089 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
MS SeqNo: 126746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	630	20	250	880	-103	50	150	0			S

Sample ID 050785-082A Batch ID: D0090 Test Name LEAD BY ATOMIC ABSORPTION Units mg/Kg Analysis Date: 4/26/01 Prep Date: 4/26/01
MS SeqNo: 126753

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	5.0	250	11	90	50	150	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

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Advanced Technology Laboratories

Date: *30-Apr-01*

CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID **LCS-0086** Batch ID: **D0086** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
LCS SeqNo: **126595**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	5.0	250	0	90	80	120	0			

Sample ID **LCS-0087** Batch ID: **D0087** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
LCS SeqNo: **126632**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	5.0	250	0	90	80	120	0			

Sample ID **LCS-0088** Batch ID: **D0088** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
LCS SeqNo: **126660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	5.0	250	2.5	89	80	120	0			

Sample ID **LCS-0089** Batch ID: **D0089** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
LCS SeqNo: **126748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	5.0	250	2	101	80	120	0			

Sample ID **LCS-0090** Batch ID: **D0090** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/Kg** Analysis Date: **4/26/01** Prep Date: **4/26/01**
LCS SeqNo: **126755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	5.0	250	1	87	80	120	0			

Qualifiers:
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B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

Advanced Technology Laboratories

Print Date: *07-May-01*

CLIENT:	Geocon Environmental	Test No:	WET/ EPA 7420
Lab Order:	050785	Units:	mg/L
Project:	Rte 5-Via de la Valle - 08900-06-107	Analyst:	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-007A	B86-S	Solid/ STLC Extract	4/25/01	42801	16	0.3		2	4/30/01
050785-010A	B87-S	Solid/ STLC Extract	4/25/01	42801	62	0.75		5	4/30/01
050785-013A	B88-S	Solid/ STLC Extract	4/25/01	42801	89	1.2		8	4/30/01
050785-019A	B90-S	Solid/ STLC Extract	4/25/01	42801	14	0.15		1	4/30/01
050785-022A	B91-S	Solid/ STLC Extract	4/25/01	42801	29	0.3		2	4/30/01
050785-033A	B95-S	Solid/ STLC Extract	4/25/01	42801	86	1.2		8	4/30/01
050785-034A	B95-1	Solid/ STLC Extract	4/25/01	42801	13	0.15		1	4/30/01
050785-035A	B95-2	Solid/ STLC Extract	4/25/01	42801	10	0.15		1	4/30/01
050785-036A	B101-S	Solid/ STLC Extract	4/25/01	42801	69	0.75		5	4/30/01
050785-062A	B105-S	Solid/ STLC Extract	4/25/01	42801	130	1.5		10	4/30/01
050785-065A	B106-S	Solid/ STLC Extract	4/25/01	42801	7.2	0.15		1	4/30/01
050785-068A	B107-S	Solid/ STLC Extract	4/25/01	42801	6.8	0.15		1	4/30/01

Qualifiers:

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- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interference.
- H - Samples exceeding analytical holding time
- E - Value above quantitation range
- M - Not Monitored. Highly Reactive

Initials: _____

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Advanced Technology Laboratories

Print Date: *07-May-01*

CLIENT:	Geocon Environmental	**Test No:**	WET/ EPA 7420
Lab Order:	050785	**Units:**	mg/L
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	EK

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-074A	B109-S	Solid/ STLC Extract	4/25/01	42801	180	3		20	4/30/01
050785-077A	B110-S	Solid/ STLC Extract	4/25/01	42801	26	0.45		3	4/30/01
050785-080A	B111-S	Solid/ STLC Extract	4/25/01	42801	31	0.3	E	2	4/30/01

Qualifiers:

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DO - Surrogate Diluted Out
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E - Value above quantitation range
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Initials:

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Advanced Technology Laboratories

Print Date: *10-May-01*

CLIENT:	Geocon Environmental	**Test No:**	WET DI/ EPA 7
Lab Order:	050785	**Units:**	mg/L
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	BR

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-007A	B86-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	0.95	0.15		1	5/3/01
050785-010A	B87-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	1.0	0.15		1	5/3/01
050785-013A	B88-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	15	0.45		3	5/3/01
050785-019A	B90-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	9.5	0.15		1	5/3/01
050785-022A	B91-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	ND	0.15		1	5/3/01
050785-033A	B95-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	0.26	0.15		1	5/3/01
050785-034A	B95-1	Solid/ STLC DI Extra	4/25/01	TDI010503-	1.5	0.15		1	5/3/01
050785-035A	B95-2	Solid/ STLC DI Extra	4/25/01	TDI010503-	2.9	0.15		1	5/3/01
050785-036A	B101-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	7.3	0.15		1	5/3/01
050785-062A	B105-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	31	0.75		5	5/3/01
050785-065A	B106-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	1.7	0.15		1	5/3/01
050785-068A	B107-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	0.25	0.15		1	5/3/01

Qualifiers:

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E - Value above quantitation range
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Advanced Technology Laboratories

Print Date: *10-May-01*

CLIENT:	Geocon Environmental	**Test No:**	WET DI/ EPA 7
Lab Order:	050785	**Units:**	mg/L
Project:	Rte 5-Via de la Valle - 08900-06-107	**Analyst:**	BR

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
050785-074A	B109-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	17	0.45		3	5/3/01
050785-077A	B110-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	2.1	0.15		1	5/3/01
050785-080A	B111-S	Solid/ STLC DI Extra	4/25/01	TDI010503-	1.8	0.15		1	5/3/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

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3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-May-01*

CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Method Blank

Sample ID **MB-STDI010503** Batch ID: **STDI010503-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/3/01** Prep Date: **5/1/01**
MBLK SeqNo: **132118**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MB-STDI010503** Batch ID: **STDI010503-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/3/01** Prep Date: **5/1/01**
MBLK SeqNo: **132136**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MB-STDI010514** Batch ID: **STDI010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MBLK SeqNo: **137789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MBLK** Batch ID: **42801** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **4/30/01** Prep Date: **4/28/01**
MBLK SeqNo: **129146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MBLK** Batch ID: **42801** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **4/30/01** Prep Date: **4/28/01**
MBLK SeqNo: **129160**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

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Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Method Blank

Sample ID **MBLK-ST01051** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**

MBLK SeqNo: **137757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

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Date: *21-May-01*

CLIENT: Geocon Environmental
Work Order: 050785
Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Sample Duplicate

Sample ID **050785-062ADU** Batch ID: **STDI010503-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/3/01** Prep Date: **5/1/01**
DUP SeqNo: **132132**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30	0.75	0	0	0	0	0	31	6	30	

Sample ID **050785-080ADU** Batch ID: **STDI010503-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/3/01** Prep Date: **5/1/01**
DUP SeqNo: **132142**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.6	0.15	0	0	0	0	0	1.8	10	30	

Sample ID **050785-062ADU** Batch ID: **STDI010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
DUP SeqNo: **137791**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16	0.45	0	0	0	0	0	17	4	30	

Sample ID **050785-062ADU** Batch ID: **42801** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **4/30/01** Prep Date: **4/28/01**
DUP SeqNo: **129158**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	110	1.5	0	0	0	0	0	130	19	30	

Sample ID **050785-080ADU** Batch ID: **42801** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **4/30/01** Prep Date: **4/28/01**
DUP SeqNo: **129166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25	0.30	0	0	0	0	0	31	22	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

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QC SUMMARY REPORT
Sample Duplicate

Sample ID 050785-080ADU Batch ID: ST010514-1 Test Name LEAD BY ATOMIC ABSORPTION Units mg/L Analysis Date: 5/14/01 Prep Date: 5/12/01
DUP SeqNo: 137759

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22	0.75	0	0	0	0	0	23	6	30	

Sample ID 050590-108ADU Batch ID: ST010514-1 Test Name LEAD BY ATOMIC ABSORPTION Units mg/L Analysis Date: 5/14/01 Prep Date: 5/12/01
DUP SeqNo: 137763

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49	1.0	0	0	0	0	0	49	0	30	

Sample ID 050591-037ADU Batch ID: ST010514-1 Test Name LEAD BY ATOMIC ABSORPTION Units mg/L Analysis Date: 5/14/01 Prep Date: 5/12/01
DUP SeqNo: 137766

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	58	1.2	0	0	0	0	0	52	12	30	

Sample ID 050591-072ADU Batch ID: ST010514-1 Test Name LEAD BY ATOMIC ABSORPTION Units mg/L Analysis Date: 5/14/01 Prep Date: 5/12/01
DUP SeqNo: 137771

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30	0.60	0	0	0	0	0	23	25	30	

Sample ID 050591-125ADU Batch ID: ST010514-1 Test Name LEAD BY ATOMIC ABSORPTION Units mg/L Analysis Date: 5/14/01 Prep Date: 5/12/01
DUP SeqNo: 137774

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.1	0.15	0	0	0	0	0	8.8	22	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

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QC SUMMARY REPORT
Sample Duplicate

Sample ID **050608-047ADU** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
DUP SeqNo: **137778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22	0.60	0	0	0	0	0	22	2	30	

Sample ID **050608-081ADU** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
DUP SeqNo: **137781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30	0.75	0	0	0	0	0	31	3	30	

Sample ID **050608-137ADU** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
DUP SeqNo: **137785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	44	1.2	0	0	0	0	0	49	11	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

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Date: *21-May-01*

CLIENT: Geocon Environmental
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Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **050785-080AMS** Batch ID: **STDI010503-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/3/01** Prep Date: **5/1/01**
MS SeqNo: **132143**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.5	0.15	5	1.8	74	80	120	0			S

Sample ID **050785-062AMS** Batch ID: **STDI010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21	0.45	5	17	80	80	120	0			

Sample ID **050785-080AMS** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	0.75	5	23	120	80	120	0			

Sample ID **050590-108AMS** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137764**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	53	1.0	5	49	80	80	120	0			

Sample ID **050591-037AMS** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	57	1.2	5	52	100	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

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CLIENT: Geocon Environmental
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Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **050591-072AMS** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137772**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	0.60	5	23	120	80	120	0			

Sample ID **050591-125AMS** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14	0.45	5	8.8	104	80	120	0			

Sample ID **050608-047AMS** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27	0.60	5	22	100	80	120	0			

Sample ID **050608-081AMS** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37	0.75	5	31	120	80	120	0			

Sample ID **050608-137AMS** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
MS SeqNo: **137786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55	1.2	5	49	120	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

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Date: *21-May-01*

CLIENT: Geocon Environmental
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Project: Rte 5-Via de la Valle - 08900-06-107

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID **LCS-STDI01050** Batch ID: **STDI010503-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/3/01** Prep Date: **5/1/01**
LCS SeqNo: **132119**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.3	0.15	5	0	86	80	120	0			

Sample ID **LCS-STDI01051** Batch ID: **STDI010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
LCS SeqNo: **137794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.7	0.15	5	0	94	80	120	0			

Sample ID **LCS** Batch ID: **42801** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **4/30/01** Prep Date: **4/28/01**
LCS SeqNo: **129169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.7	0.15	5	0.04	93	80	120	0			

Sample ID **LCS-010514-1** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/12/01**
LCS SeqNo: **137788**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.4	0.15	5	0.07	87	80	120	0			

Sample ID **LCS-ST010514-** Batch ID: **ST010514-1** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **5/14/01** Prep Date: **5/9/01**
LCS SeqNo: **140157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.3	0.15	5	0.07	85	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

APPENDIX C

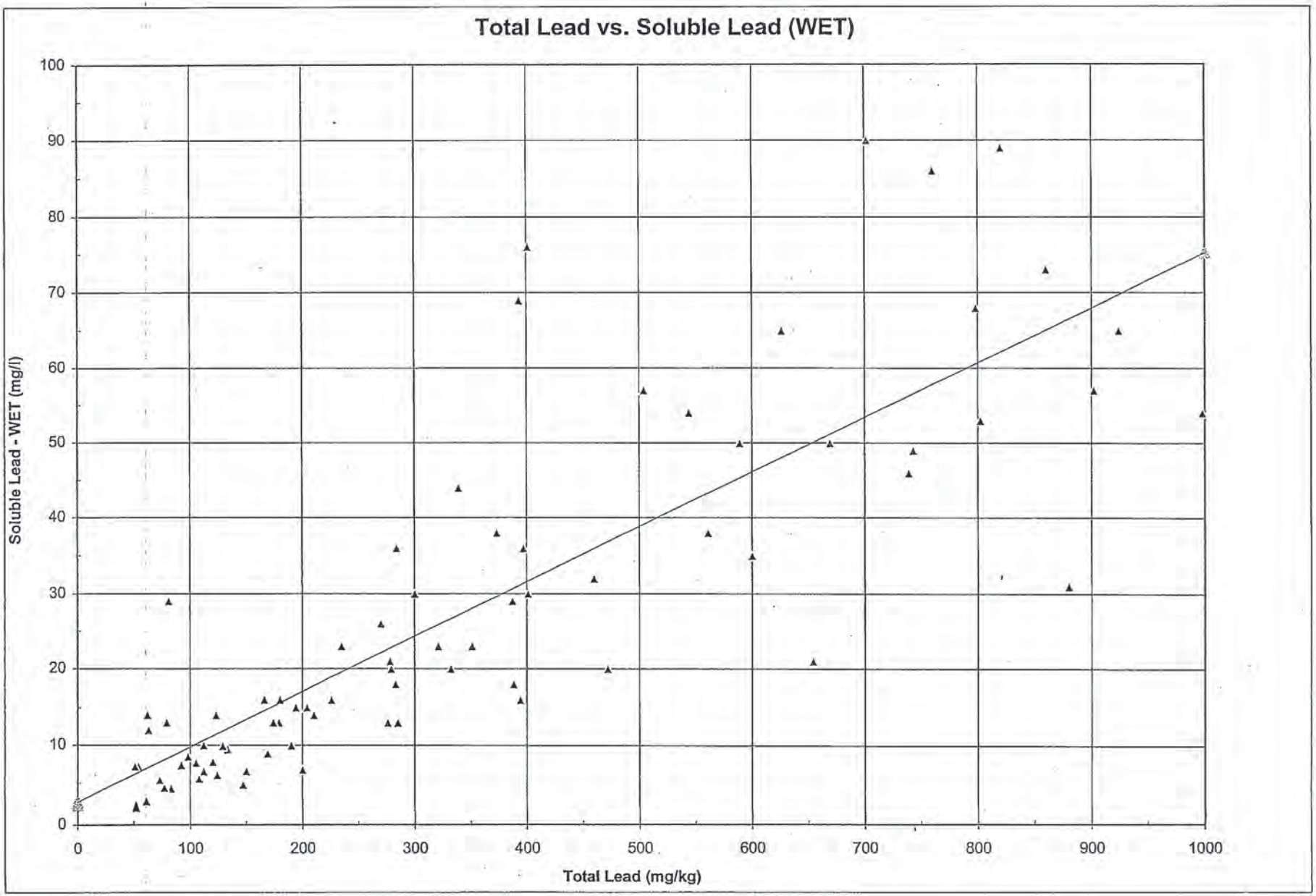
Project Name: Route 5 Via De La Valle to Leucadia Boulevard
Project Number: 8900-06-107
Task Order Number: 11-07980K-VY

Regression Analysis Results for Total Lead vs. Soluble Lead (WET)

Regression Output:

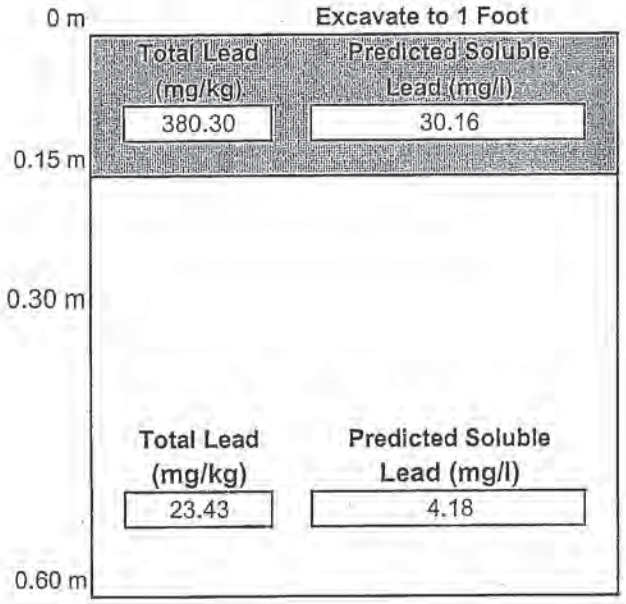
Constant *(b)*	2.4790
Slope *(m)*	0.0728
Correlation *(r)*	0.828
Number of *(x, y)* Observations	79
Total Lead Mean	343
Total Lead Standard Deviation	261
Soluble Lead (WET) Mean	27
Soluble Lead (WET) Standard Deviation	23

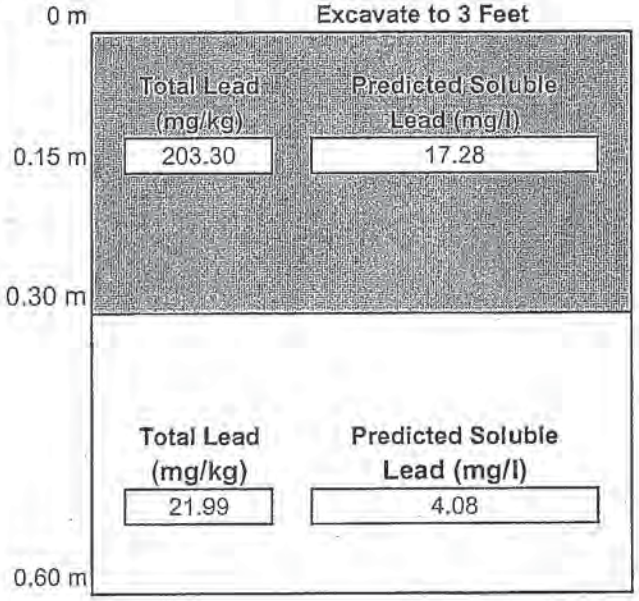
Regression Line: $y = m(x) + b$, where x = total lead and y = soluble lead (WET)

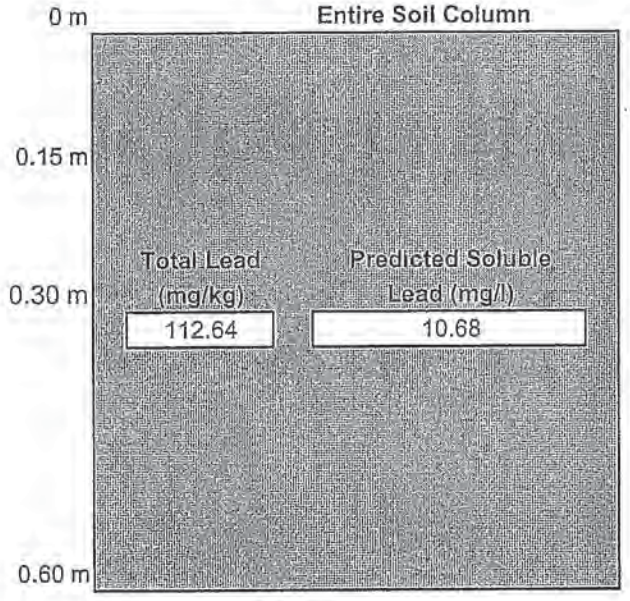

Total Lead vs. Soluble Lead (WET)
Soluble Lead - WET (mg/l)
Total Lead (mg/kg)
0
10
20
30
40
50
60
70
80
90
100
0
100
200
300
400
500
600
700
800
900
1000

Project Name: Route 5 Via De La Valle to Leucadia Boulevard
Project Number: 8900-06-107
Task Order No.: 11-07980K-VY

Block Diagrams - 80% UCL for Non-Transformed Data

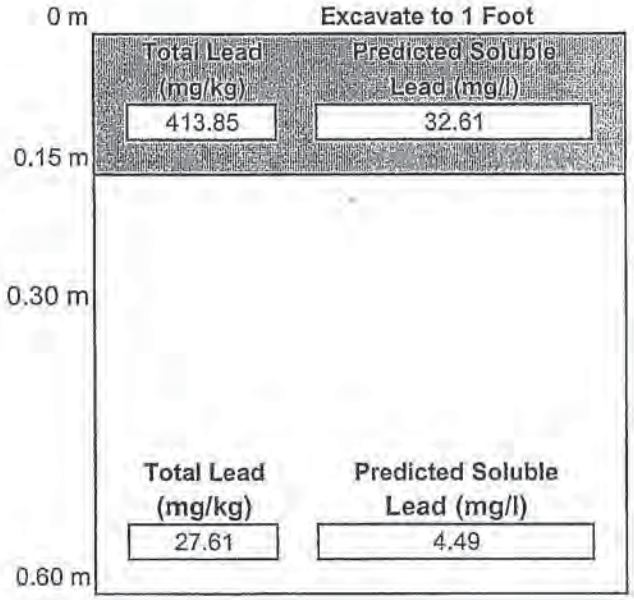


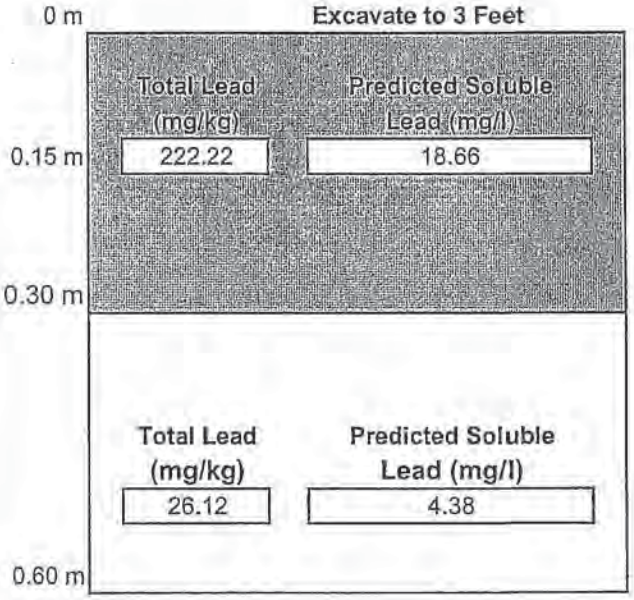


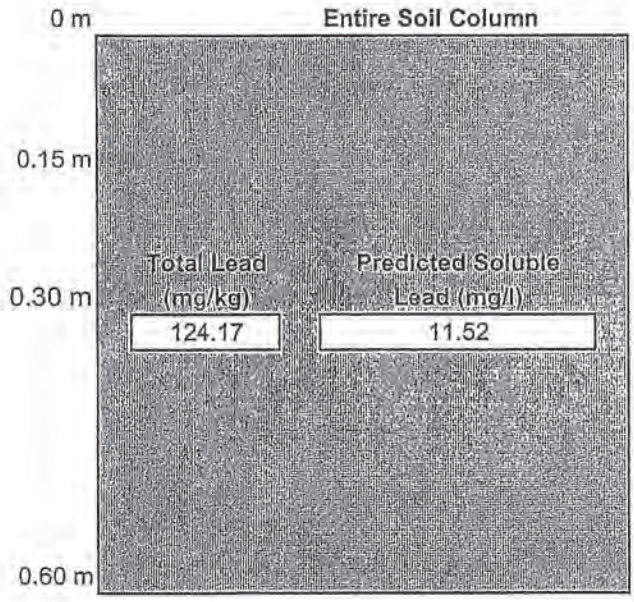


Project Name: Route 5 Via De La Valle to Leucadia Boulevard
Project Number: 8900-06-107
Task Order No.: 11-07980K-VY

Block Diagrams - 95% UCL for Non-Transformed Data

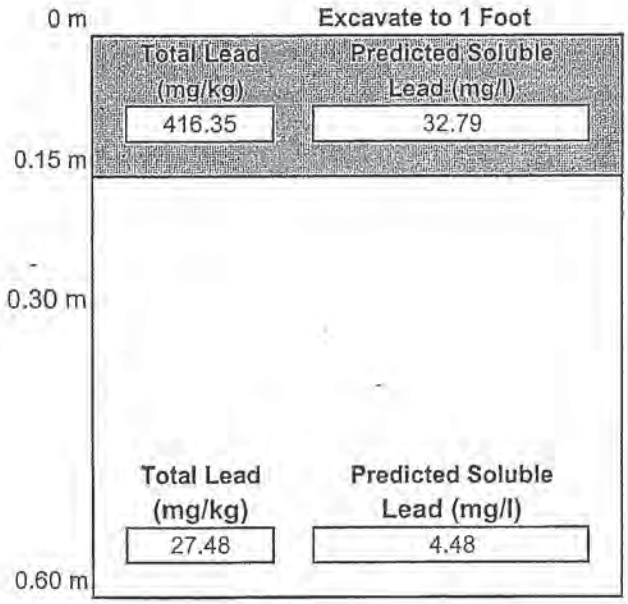


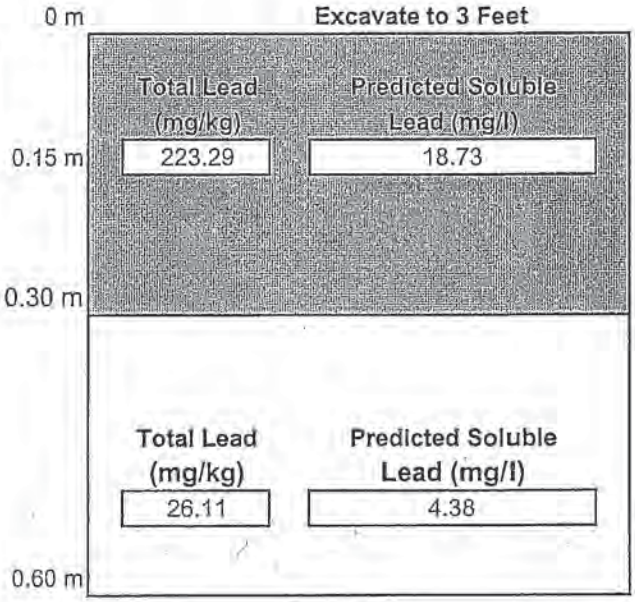


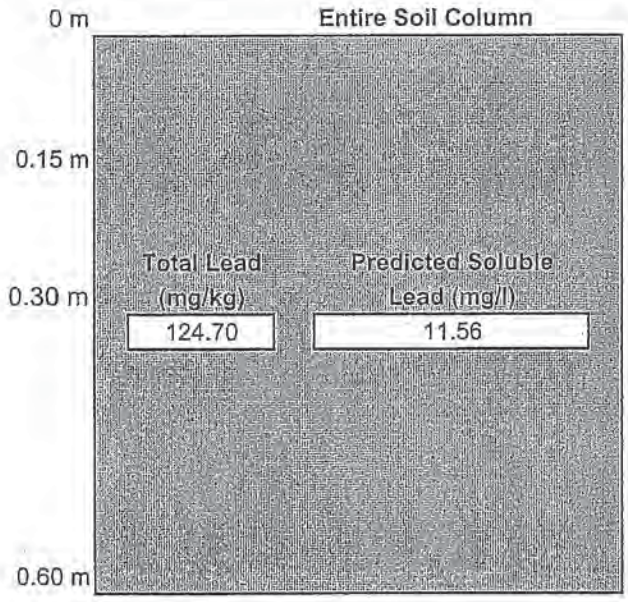


Project Name: Route 5 Via De La Valle to Leucadia Boulevard
Project Number: 8900-06-107
Task Order No.: 11-07980K-VY

Block Diagrams - 80% UCL for Arcsine-Transformed Data







Project Name: Route 5 Via De La Valle to Leucadia Boulevard
Project Number: 8900-06-107
Task Order No.: 11-07980K-VY

Block Diagrams - 95% UCL for Arcsine-Transformed Data