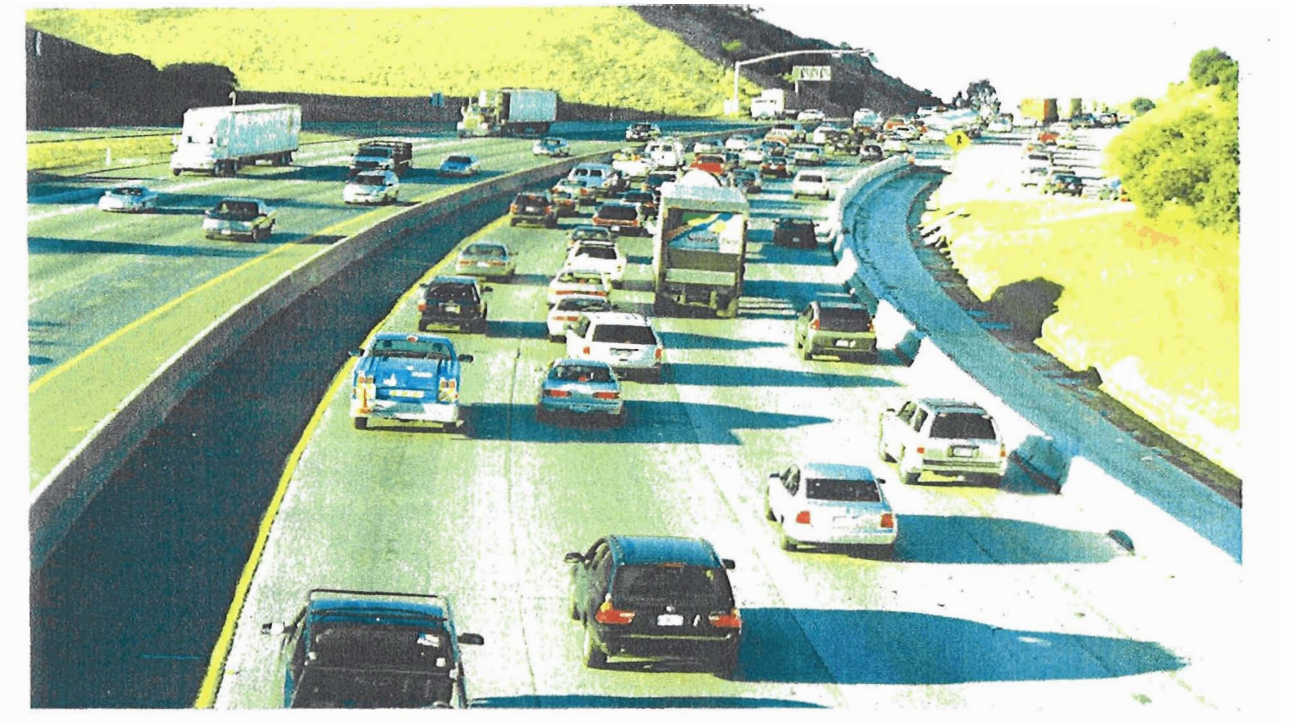
SITE INVESTIGATION REPORT
SOUTHBOUND SUNOL GRADE I-680
PROPOSED RAMP METERING AND AUXILLARY LANE



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CONTRACT 43A0078
TASK ORDER NO. 04-253751-CP

Shaw Environmental, Inc.

SITE INVESTIGATION REPORT

Southbound Sunol Grade
Proposed Ramp Metering And Auxiliary Lane Project
Interstate 680
Counties Of Alameda And Santa Clara, California

June 3, 2003

Prepared for:

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Report Limitations

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. This report presents our professional judgment based upon data and findings identified in this report and the interpretation of such data based on our experience and background, and no warranty, either expressed or implied, is made. The conclusions presented are based on the current regulatory climate and may require revision if future regulatory changes occur.

The findings identified in this report are predicated on the results of the limited sampling and laboratory testing performed. This report does not address impacts related to sources other than those specified herein.

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

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Executive Summary

Shaw Environmental, Inc., conducted a site investigation within the California Department of Transportation (Caltrans) right-of-way along Interstate 680 (I-680). The project area is located on I-680 between kilometer posts 12.0 and 15.9 (post miles 7.5/9.9) in Santa Clara County and between kilometer posts 0 and 31 (post miles 0/19.3) in Alameda County, California. The purpose of the investigations were to evaluate the presence and concentration of aerially deposited lead (ADL) in soil, to assess the presence of hazardous materials and petroleum products in groundwater, and to assess the presence of asbestos containing materials (ACMs) within bridge overcrossings.

Lead was reported in soil samples collected from the site. The source for the lead is not known, however, it is thought to be related to accumulation of dust and debris containing lead from leaded gasoline emissions.

Lead concentrations were compared to Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentration (STLC), and Toxicity Characteristic Leaching Procedure (TCLP) values to evaluate whether the soil would be considered a hazardous waste, should it become a waste. Soil samples from various portions of the site were reported to contain lead at concentrations that exceeded the TTLC and STLC values. Soil samples from numerous locations were reported to contain lead at concentrations in excess of 350 mg/kg, a level requiring waste disposal in a Class I facility.

Statistical evaluation of the data found that the arithmetic mean of total lead concentration in the entire data set was 54.6 milligrams per kilogram (mg/kg) with a corresponding 90% Upper Confidence Level (UCL) value of 58.3 mg/kg. As an acceptable correlation exists between the total lead data and soluble lead data by the Waste Extraction Test (WET), the expected soluble lead concentration by WET analysis at the total lead 90% UCL was obtained from regression analysis. This value is 1.26 milligrams per liter (mg/l). Based on the statistical analysis, it is unlikely that the waste soil would be considered a hazardous waste. However, if the construction work is staged in a manner that segregates the excavated soil, waste soil from some areas may be considered hazardous and might be able to be managed under the California Environmental Protection Agency, Department to Toxic Substances Control, variance for waste soil considered hazardous due to the presence of elevated lead concentrations.

The groundwater grab samples collected from boring location B60 were not reported to contain total petroleum hydrocarbons as gasoline or diesel, or semivolatile organic compounds. The sample was reported to contain barium and zinc, but at concentrations below the respective California Maximum Contaminant Levels. It is unlikely that groundwater within the right-of-way adjacent to boring location B60 has been impacted by petroleum hydrocarbons or heavy metals.

Asbestos was not reported in the samples collected from the bridge and overcrossing structures. It is unlikely that ACMs are present in or on the subject overcrossings.

1.0 Introduction

This report presents the results of the investigations that were conducted along Interstate 680 (I-680) in Santa Clara and Alameda Counties, California (Figure 1). These included aerially deposited lead (ADL) in soil, petroleum hydrocarbons and metals in groundwater, and asbestos containing materials (ACMs) of bridge overcrossings. The project area is located on I-680 between kilometer posts 12.0 and 15.9 (post miles 7.5/9.9) in Santa Clara County and between kilometer posts 0 and 31 (post miles 0/19.3) in Alameda County, California. The investigations were conducted by Shaw Environmental, Inc. (Shaw), in January and February 2003 to evaluate the concentration of potential contaminants within the right-of-way prior to the implementation of improvement activities proposed by the California Department of Transportation (Caltrans). The investigations were conducted on behalf of Caltrans and in general accordance with Caltrans Contract 43A0078, Task Order Number 04-253751-CP, (Caltrans, 2002).

1.1 Project Description

Caltrans proposes improvements to southbound Interstate 680 in Santa Clara and Alameda Counties, California. The project will entail the installation of ramp metering facilities from Andrade Road to Jacklin Road, construction of an auxiliary lane from Washington Boulevard to Jacklin Road, widening of structures to accommodate a high occupancy vehicle (HOV) lane and auxiliary lanes, and installation of noise barriers and retaining walls at various locations.

The project limits identified by Caltrans are within the Caltrans right-of-way.

1.2 Project Objectives

The objective of the investigations included the following:

- Evaluate the presence of aerially deposited lead in the shallow soil;
- Evaluate the presence and concentration of petroleum hydrocarbons and hazardous materials in groundwater; and
- Assess the presence and condition of ACMs in bridge structures within the project area.

2.0 Scope of Work

The scope of work for the investigation was presented in Shaw's work plan dated January 12, 2003 (Shaw 2003b), which was approved for implementation by Caltrans. The following scope of work was conducted:

1. Planning and Permitting
2. Field Investigation
3. Laboratory Analyses
4. Investigation-Derived Waste Disposal
5. Site Investigation Report Preparation

2.1 Planning and Permitting

Planning and permitting included a pre-work site visit, preparation of a work plan and health and safety plan, and acquisition of required permits.

Dave Foley and Martha Adams of Shaw, and Jill Pollock and Joseph Mendez of Caltrans conducted a pre-work site visit at the site on January 7, 2003. Soil boring locations were marked, and the scope of work and objectives were discussed.

A site-specific health and safety plan (Shaw, 2003a) was prepared for the site in general accordance with 29 CFR 1910.120 and Title 8, California Code of Regulations, Section 5192. The health and safety plan included safety procedures for work to be performed at the site, chemical hazard information, site safety officers, and preferred medical emergency locations.

Caltrans provided the traffic control measures including shoulder closure and/or lane closure between the hours of 9:00 A.M. and 3:00 P.M. for work in the shoulder areas.

A soil-boring permit was not required for the work conducted in Alameda or Santa Clara County. A soil-boring permit was obtained from the Alameda County Water District for the groundwater sampling boring advanced within Alameda County. A copy of the permit is presented in Appendix A.

2.2 Field Investigation

The field investigation was conducted from January 13 through February 4, 2003. The first phase of this investigation included the advancement of 574 shallow soil borings using direct push drilling equipment or hand auger where access was limited. Soil boring locations are displayed on the figures shown in Appendix B. The second phase of this investigation included

a visual inspection and the collection of 71 samples of suspected ACMs. The third phase of the investigation included the advancement of one soil boring to groundwater using direct push drilling equipment for collection of groundwater samples.

The horizontal and vertical locations of the borings were established using a Trimble Pathfinder™ Pro XRS global positioning system (GPS). The GPS is reported to have sub-meter precision for horizontal location of the borings. The vertical precision is reported to be two to five times that of the horizontal precision. The GPS data were downloaded in the office and Trimble software utilized to provide differential corrections to the coordinates. The horizontal and vertical datum used for this investigation were the California Coordinate System of 1983 (CCS83), Zone 3, and the North American Vertical Datum of 1988 (NAVD88), respectively. The standard unit of measurement for both of the coordinates was the meter.

All equipment utilized during the field activities was washed prior to commencement of work and between borings to minimize the likelihood of cross-contamination between the borings. The borings were backfilled with the soil cuttings. Drilling and sampling procedures are presented in Appendix C.

2.2.1 Aerially Deposited Lead Investigation

The I-680 ADL investigation included the advancement of 574 borings. These borings were generally spaced approximately 90 meters (295 feet) apart along the southbound shoulder of I-680. The borings were generally located under the pavement surface, at the edge of the pavement, and 1.5, 3.0, 4.5, and 6.0 meters from the edge of pavement within the shoulder area. At boring location 69, selected by Caltrans, surface soil samples were also taken at 7, 10, 15, and 20 meters off the edge of pavement.

Direct push drilling equipment was used to collect all samples underneath the paved surface and the edge of pavement. Direct push drilling equipment or a hand auger was used to collect soil samples from all other locations. The borings were advanced to a depth of approximately 0.9 meter (3 feet) below ground surface (BGS). Three soil samples per boring were retained for analysis. The soil samples were collected from the surface to 0.15 meters (0 feet), 0.3 to 0.45 meters (1 foot), 0.6 to 0.75 meters (2 feet) and 0.9 to 1.05 meters (3 feet) BGS, resulting in a total of 1,607 soil samples being collected. The soil samples were labeled, packaged, and stored on ice in an insulated chest for transport under chain-of-custody manifest to a California-certified analytical laboratory (Appendix D).

2.2.2 Groundwater Investigation

Two boring locations, B60 and B78, were selected by Caltrans for investigation of groundwater impacts. Boring B60 was advanced to approximately 5.3 meters (20 feet) BGS and boring B78 was advanced to approximately 7.3 meters (24 feet) BGS. The borings were advanced using direct-push drilling equipment. Groundwater was not encountered in boring B78. A well casing

was inserted into boring B60 to facilitate groundwater sampling. The casing consisted of approximately 2.5-centimeter (1-inch) diameter, Schedule 40, flush-threaded, 0.05-centimeter (0.020-inch), machine-slotted polyvinyl chloride well screen joined to blank casing. Groundwater grab samples were collected from the undeveloped temporary well using a new disposable polyethylene bailer. New nylon rope was used to lower the bailer into the casing. The groundwater samples were transferred from the bailer to laboratory-supplied containers. The groundwater samples were then packaged, labeled, and stored on ice in an insulated chest for transport under chain-of-custody manifest to a California-certified analytical laboratory.

2.2.3 Asbestos Containing Materials Investigation

An asbestos survey was conducted on bridge structures within the project limits. The survey was conducted by Rudolph Von Burg, Ph.D. Mr. Von Burg is a California Department of Occupational Health and Safety Administration (Cal-OSHA) Certified Asbestos Consultant. The structures surveyed are listed below.

- Calaveras Boulevard 237 Separation Structure
- Jacklin Road Undercrossing
- South D.W.R. Undercrossing
- North D.W.R. Undercrossing
- East Warren Avenue Undercrossing
- Mission San Jose Separation
- Vargas Road Undercrossing

Prior to the surveys, as-built plans provided by Caltrans were reviewed for notations indicating the use of ACMs in the bridge construction. No ACMs were noted in the as-built plans reviewed.

The bridges were inspected for the presence of friable and non-friable ACMs. Materials suspected to be a friable or non-friable ACM were sampled. Samples of suspect ACMs were collected using destructive methods (cutting and prying samples from intact materials). A total of seventy-one bulk samples were collected from various locations of the overcrossing structures. Photographs of the sample locations can be found in Appendix E. The samples were collected using methods to control fiber release during sampling. The samples were labeled, packaged, and transported under chain-of-custody manifest to a California-certified analytical laboratory.

2.3 Waste Disposal

Soil cuttings generated during the investigation were returned to the borehole. Wash water generated during the field investigation was poured onto the ground, avoiding storm drains or conduits to surface water bodies, and allowed to soak into the soil. Solutions were poured onto the ground in such a way as to avoid runoff.

2.4 Laboratory Analysis

The soil and groundwater samples collected and retained for analysis were submitted to Sparger Technology, Inc. (Sparger), of Sacramento, California, a California-certified analytical laboratory. The asbestos samples collected and retained for analysis were submitted to EMSL Analytical, Inc. (EMSL), of Milpitas, California, a California-certified analytical laboratory. Chain-of-custody procedures, including the use of chain-of-custody forms, were used to document sample handling and transport from the time of collection to delivery to the laboratory for analysis. The chain of custody forms and laboratory analytical reports are included in Appendix D.

2.4.1 Soil Samples

A total of 1,607 soil samples were submitted for laboratory analysis. The analyses were conducted on a 48-hour or a 5-day turn-around basis in general accordance with EPA-specified holding times. The analyses were performed on selected samples in general accordance with the following EPA methods.

Matrix	Analyses
Soil	ICAP EPA 6010: lead only (all soil samples)
Soil	Waste Extraction Test (WET)/ deionized water Waste Extraction Test (DIWET) 22CCR 667000 Extraction and 6010 Analysis
Soil	Toxicity Characteristic Leaching Procedure (TCLP) EPA 1311 Extraction and 6010 Analysis
Soil	pH EPA 9045

Soil samples were analyzed for total lead in general accordance with EPA Method 6010. Soil samples reported to contain total lead concentrations in excess of 50 milligrams per kilogram (mg/kg) and less than 1,000 mg/kg were further analyzed for soluble lead using the Waste Extraction Test (WET). The total lead concentration of 50 mg/kg was selected because it is 10 times the Soluble Threshold Limit Concentration (STLC).

Samples with a soluble lead concentration by WET analysis greater than or equal to the STLC of 5.0 milligrams per liter (mg/l) were further analyzed for soluble lead by the WET using a deionized water extraction solution (DIWET). Soil samples exceeding the Total Threshold Limit Concentration (TTLC) of 1,000 mg/kg were analyzed for soluble lead using the Toxicity Characteristic Leaching Procedure (TCLP).

One-hundred twenty-nine soil samples, chosen at random by Caltrans, were tested for pH.

Duplicate lead analyses were performed on 25 samples. Duplicate analyses were conducted on 24 soil samples for total lead and 2 soil samples for soluble lead by the WET. The duplicate samples are listed on Table 1.

2.4.2 Groundwater Samples

Groundwater grab samples from one boring locations were submitted for analysis. The analyses were conducted on a 10-day turn-around basis in general accordance with EPA specified holding times. The analyses were performed in general accordance with the following EPA methods.

Matrix	Analyses
Water	Total Petroleum Hydrocarbons as Gasoline (TPHg), Modified EPA Method 8015
Water	Total Petroleum Hydrocarbons as Diesel (TPHd), Modified EPA Method 8015
Water	Heavy Metals, EPA Methods 6010 and 7471
Water	Semivolatile Organic Compounds (SVOCs), EPA Method 8270C

2.4.3 Asbestos-Containing Materials Samples

A total of 71 bulk samples were analyzed for ACMs. The analyses were conducted on a 48-hour turn-around basis in general accordance with EPA specified holding times. The samples were analyzed for fibrous asbestos by polarized light microscopy (PLM) as specified by EPA procedure 600/R-93/116.

3.0 Site Investigation Results

3.1 Lead Results

Lead analyses were conducted on 1,607 soil samples collected from the I-680 project. Additionally, duplicate analyses were conducted on 25 soil samples. Duplicate analyses were conducted on 24 soil samples for total lead and 2 soil samples for soluble lead by the WET. A summary of lead results compared to 10 times STLC and TTLC values are presented below. Results are presented on Table 1.

Heavy Metal	10 Times STLC (mg/kg)	No. Samples Exceeding 10 Times STLC	TTLC (mg/kg)	No. Samples Exceeding TTLC	Concentration Range (mg/kg)
Lead	50	448	1,000	6	<1 to 2,110

Soil samples with total lead concentrations greater than 10 times STLC were further analyzed for soluble lead by the WET. Soil samples with soluble lead concentrations greater than the STLC were further analyzed by the DIWET. A summary of soluble lead results compared to STLC is presented below.

Heavy Metal	STLC (mg/l)	No. Samples Exceeding STLC	WET Concentration Range (mg/l)	DIWET Concentration Range (mg/l)
Lead	5.0	50	<0.05 to 27.4	<0.01 to 13.8

Soil samples with total lead concentrations that exceeded the TTLC were further analyzed for soluble lead by the TCLP. A summary of total lead results exceeding the TTLC compared to the TCLP concentration range is presented below.

Heavy Metal	TCLP (mg/l)	No. Samples Exceeding TTLC	TCLP Concentration Range (mg/l)
Lead	5	0	0.723 to 3.03

In the 129 soil samples tested, pH ranged from 5.5 to 11.9 (Table 1). The mean pH for the 128 samples tested was 8.1 standard units.

3.2 Groundwater Results

The groundwater grab samples were not reported to contain TPHg, TPHd, or SVOCs at concentrations greater than the analytical method reporting limits. The only heavy metals reported were barium and zinc at concentrations of 0.46 and 0.038 mg/l, respectively. The groundwater results are summarized on Table 2.

3.3 Asbestos Results

Bulk samples collected during this investigation were analyzed for asbestos. Analytical results are presented on Table 3. Laboratory results reported no asbestos in any of the bulk samples analyzed at concentrations greater than the method detection limits.

4.0 Data Evaluation

4.1 Lead Results

4.1.1 Lead Concentration and Distribution

Soil samples collected from the site were reported to contain lead. Total lead concentrations reported during this site investigation ranged from less than 1 to 2,110 mg/kg. A summary of lead concentrations is presented on Table 1. The source for the lead is not known. However, studies along the transportation corridors have attributed elevated lead concentrations within soil to accumulation of dust and debris-containing lead from leaded gasoline emissions (Coltrin, et al., 1993).

The majority of the soil samples reported to contain elevated lead concentrations were collected from the surface sample interval. A summary of the distribution of the elevated lead concentrations is presented below. The data set is restricted to those samples reported to contain greater than or equal to 50 mg/kg total lead, a level selected because it is 10 times the STLC.

	Distribution of Samples from Total Sample Population with Greater Than 50 mg/kg Lead		Distribution of Samples from Interval With Greater Than 50 mg/kg Lead		Distribution of Samples from All Samples Greater Than 50 mg/kg	
Sample Interval	Number	Percentage	Number	Percentage	Number	Percentage
Surface	288 of 1,607	17.9	288 of 519	55.5	288 of 448	64.3
0.3 meters	96 of 1,607	6.0	96 of 498	19.3	96 of 448	21.4
0.6 meters	60 of 1,607	3.7	60 of 493	12.2	60 of 448	13.4
0.9 meters	4 of 1,607	0.2	4 of 97	4.1	4 of 448	0.9

As shown above, the number of samples reported to contain elevated lead concentrations decreased with depth. This is typical of accumulations of ADL, as reported by Coltrin and others (1993), where concentrations of lead were observed to decrease with depth. An exception to this was in areas where the accumulation of urban dust and debris continued following cessation of leaded gasoline use resulting in lower lead concentrations at shallower depths (Coltrin, et al., 1993). This may explain the results at some locations where elevated concentrations of lead were present in the deeper soil samples.

Lead concentrations were compared to TTLC and STLC values to evaluate whether the soil would be considered a California hazardous waste. Generally, TTLC and STLC values for lead are used to judge whether a waste is a California hazardous waste based on the total or soluble concentration of lead within the waste. Soil reported to contain total lead exceeding the TTLC of 1,000 mg/kg or soluble lead exceeding the STLC of 5.0 mg/l would be considered a California hazardous waste, should the soil become a waste. The TCLP values are used to judge whether a

waste is a Resource Conservation and Recovery Act (RCRA) hazardous waste (also known as a federal hazardous waste) based on the soluble concentration of lead within the waste. Soil reported to contain soluble lead exceeding 5.0 mg/l by TCLP would be considered a RCRA hazardous waste, should the soil become a waste.

Six soil samples were reported to contain total lead at concentrations that exceed the TTLC value of 1,000 mg/kg for lead. Fifty soil samples were reported to contain soluble lead at concentrations in excess of the STLC of 5 mg/l by WET analysis. Thirty-one soil samples were reported to contain total lead in excess of 350 mg/kg, a level that would require disposal waste disposal in a Class I facility, in accordance with section 25157.8 of the California Health and Safety Code (HSC).

Soil at 52 soil boring locations may be considered a California hazardous waste based on the reported total lead and/or soluble lead concentrations.

The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), granted Caltrans a variance for soil considered hazardous due to the presence of elevated lead concentrations (DTSC, 2000). The variance allows Caltrans to reuse lead-contaminated soil within Caltrans right-of-way in the roadway corridor boundaries under certain conditions if the soil is considered a non-RCRA waste. Assembly Bill 414 allows Caltrans to reuse soil with total lead concentrations of up to 1,496 mg/kg. However, within the jurisdiction of the Regional Water Quality Control Board, San Francisco Bay Region, Caltrans is restricted to total lead concentrations of less than 350 mg/kg, in accordance with HSC 25157.8. Therefore, in accordance with the variance and HSC 25157.8, the following conditions apply to Caltrans' re-use and management of soil impacted by ADL as fill material for construction and maintenance operations (DTSC, 2000):

1. As fill beneath at least one foot of clean (non-hazardous) soil and a minimum five feet above the maximum water table elevation if the soluble lead concentration reported by the DIWET analysis is less than 0.5 mg/l and the total lead concentration is less than 350 mg/kg. This condition applies only if the soil is not a RCRA waste.

2. As fill beneath a pavement structure designated to protect the soil from water infiltration and five feet above the water table if the soluble lead concentration reported by DIWET analysis is greater than 0.5 mg/l but less than 50 mg/l, and the total lead concentration is less than 350 mg/kg. This condition applies only if the soil is not a RCRA waste.

3. Lead-contaminated soil with a pH below 5 shall only be used as fill beneath the paved portion of the roadway. This condition applies only if the soil is not a RCRA waste.

4.1.2 Lead Data Statistical Analysis

A statistical evaluation was conducted to further evaluate the concentration of lead within soil at the site. The statistical evaluation addressed the following items:

- Calculation of mean;
- Determination of the distribution of the sample data; and
- Calculation of the 80% Confidence Intervals (CI) which provides the corresponding 90% Upper Confidence Level (UCL), interpreted as a 0.90 probability that the true mean for a given sample is no higher than the calculated UCL.

The data were sorted into several data set for analysis:

- All soil samples
- Soil samples from beneath the pavement (PS-designated samples)
- Soil samples from just off the edge of pavement (EP-designated samples)
- Soil samples from 1.5 meters off the edge of pavement (1.5-designated samples)
- Soil samples from 3 meters off the edge of pavement (3-designated samples)
- Soil samples from 4.5 meters off the edge of pavement (4.5-designated samples)
- Soil samples from 6 meters and greater off the edge of pavement (6-designated samples plus all remaining samples)

The average concentration for duplicate sample pairs was used in the statistical analysis. A value of one-half the detection limit was used for non-detect values. Evaluation of the soil data for the entire sample population resulted in an arithmetic mean (average) concentration of total lead of 54.6 mg/kg (Appendix F).

A histogram of the total lead results for the entire data set was constructed to evaluate the distribution of the total lead concentrations within the data set. The data were found to be heavily skewed to lower concentrations (Appendix F). Therefore, statistical analysis was conducted using non-parametric techniques, which do not require that the data be drawn from a specific distribution (Gilbert, 1987).

The statistical analysis for the total lead data was conducted using the Bootstrap method (Efron, 1982) to estimate the 90% UCL for the mean of the total lead data. Bootstrap methods are non-parametric techniques to infer the distribution of a statistic derived from a data set. Bootstrap methods construct a "distribution" for a statistic (in this case the mean) by resampling with replacement from the data set. A large number (B) of data subsets of size n (where n is the size of the data subset) are selected. The statistic is computed for each of the B data subsets of size n. This gives a sample of values of the statistic, rather than one value. Confidence limits for

the population parameter that is estimated by the Bootstrapped statistic are then constructed using percentiles of the sampled distribution of the statistic.

The nonparametric bootstrap was used to compute the 90% UCL for the mean. There are several variations on the nonparametric Bootstrap. Efron's empirical quantile method (Efron, 1982) applied to the mean was used to estimate the 90% UCL for the mean for this data set. The 90% UCL calculated for the various data sets is presented below and in Appendix D.

- All soil samples – 58.3 mg/kg
- Soil samples from beneath the pavement – 12.2 mg/kg
- Soil samples from just off the edge of pavement – 87.0 mg/kg
- Soil samples from 1.5 meters off the edge of pavement – 60.9 mg/kg
- Soil samples from 3 meters off the edge of pavement – 54.4 mg/kg
- Soil samples from 4.5 meters off the edge of pavement – 56.8 mg/kg
- Soil samples from 6 meters and greater off the edge of pavement – 48.1 mg/kg

Pearson (product moment) correlation coefficients (Pearson values) were obtained from regression analysis for regression lines fit to the data (Appendix F). Prior to calculation of the correlation coefficients, the total/soluble lead bivariate data were visually inspected for outliers. Scatter plots were generated for the total/soluble lead data pairs. As discussed in Gilbert (1987), data points outside the main "data cloud" were considered outliers as they may not be from the same bivariate distribution as the remaining data points. No outliers were considered present.

The correlation coefficient for the total/WET lead data was 0.8. The correlation coefficient for the total/DIWET lead data was 0.2. The correlation coefficient for the WET data indicate that acceptable correlation between total and WET soluble data exists and that the relationship is linear. The correlation coefficient for the DIWET data is outside of the desired correlation value of 0.8, per Caltrans contract 43A0078. This is likely caused by the variability of the soil conditions over the approximately 34.9 kilometer (21.7 mile) length of the project affecting lead solubility.

Expected soluble (WET and DIWET) lead concentration were obtained from regression analysis (model fit to the data) developed from the total and soluble lead data. The coefficient for the dependant variables (slope of regression line) used in the regression analysis and the total lead versus soluble lead concentration plots are presented in Appendix F. The predicted soluble lead concentrations corresponding to the total lead 90% UCL are presented below.

- Predicted WET value – 1.26 mg/l
- Predicted DIWET value – 0.877 mg/l

4.1.3 Summary

Soil in specific locations may be considered a California-hazardous waste based on the total and soluble (WET) concentrations of lead reported in certain soil samples. Shaw conducted statistical analyses on the total and soluble lead data. The statistical analysis assumes that the soil will be handled as one waste stream. However, if the construction work is staged in a manner that segregates the excavated soil, waste soil from some areas may be considered hazardous and might be able to be managed under the DTSC variance.

The arithmetic mean and 90% UCL were below the TTLC of 1,000 mg/kg. The expected soluble (WET) lead concentration was calculated by regression analysis and found to be 1.26 mg/l (Appendix D). This value is less than the STLC for lead. None of the samples analyzed for soluble lead by the TCLP were reported to contain soluble lead at concentrations that exceeded the TCLP. It is therefore unlikely that the waste soil would be considered a hazardous waste based on the statistical analysis conducted and reported TCLP data.

The arithmetic mean concentration and 90% UCL values for total lead data were less than 350 mg/kg. This indicates that it is unlikely that the waste soil would require Class I disposal.

4.2 Groundwater Sample

No petroleum hydrocarbons or SVOCs were detected in groundwater grab sample collected from boring location B60. The two heavy metals detected were present at concentrations below their respective California Maximum Contaminant Levels. Based on evaluation of the laboratory results, it is unlikely that groundwater within the right-of-way adjacent to boring location B60 has been impacted by petroleum hydrocarbons or heavy metals.

4.3 Asbestos Survey

Seventy-one samples of suspected ACM were collected. All building materials sampled were found to be in good condition. No samples submitted for analysis contained detectable amounts of asbestos greater than the analytical method detection limits. Based on review of the as-built drawings, visual inspections, and evaluation of the laboratory analysis results, it is considered unlikely that ACMs are present in or on the subject overcrossings.

5.0 Conclusions and Recommendations

Based on the laboratory results, current regulatory guidelines, and the judgment of Shaw, the following conclusions and recommendations are offered:

- Lead was reported in soil samples collected from the site. The source for the lead is not known. However, studies along the transportation corridors have attributed elevated lead concentrations within soil to accumulation of dust and debris containing lead from leaded gasoline emissions (Coltrin, et al., 1993).
- Lead concentrations were compared to TTLC, STLC, and TCLP values to evaluate whether the soil would, should it become a waste, be considered a hazardous waste. Soil samples collected from certain borings were reported to contain total lead concentrations that exceed the TTLC value of 1,000 mg/kg and/or soluble lead concentrations by WET that exceeded the STLC of 5 mg/l for lead.
- Soil samples from certain borings were reported to contain total lead concentrations in excess of 350 mg/kg, a level requiring waste disposal in a Class I facility.
- The statistical evaluation resulted in the following data.

Sample Population	Total Lead Mean Concentration (mg/kg)	Total Lead 90% UCL (mg/kg)	Expected Soluble Lead (WET) (mg/l)	Soluble Lead (DI WET) 90% UCL (mg/l)
All Samples	54.6	58.3	1.26	0.877

- None of the samples analyzed for soluble lead by the TCLP were reported to contain soluble lead at concentrations that exceeded the TCLP.
- Based on the statistical analysis, it is unlikely that the waste soil would be considered a hazardous waste.
- However, if the construction work is staged in a manner that segregates the excavated soil, waste soil from some areas may be considered hazardous and might be able to be managed under the DTSC variance.
- It is unlikely that groundwater within the right-of-way adjacent to boring location B60 has been impacted by petroleum hydrocarbons or heavy metals.
- It is unlikely that ACMs are present in or on the subject overcrossings.

6.0 References

Caltrans (California Department of Transportation, District 3), 2002, California Department of Transportation, District 4, Oakland, contract no. 43A0078, task order: 04-253751-CP for aerially deposited lead and asbestos site investigation, Southbound Sunol Grade, Santa Clara and Alameda Counties, California: dated November 25, 2002.

Coltrin, D., Teichman, J., and Prouty, K., 1993, A survey of lead contamination in soil along Interstate-880, Alameda County, California: *Applied Occupational and Environmental Hygiene,* Tharr, D., ed., vol. 8, no. 4, April 1993, p. 217-220.

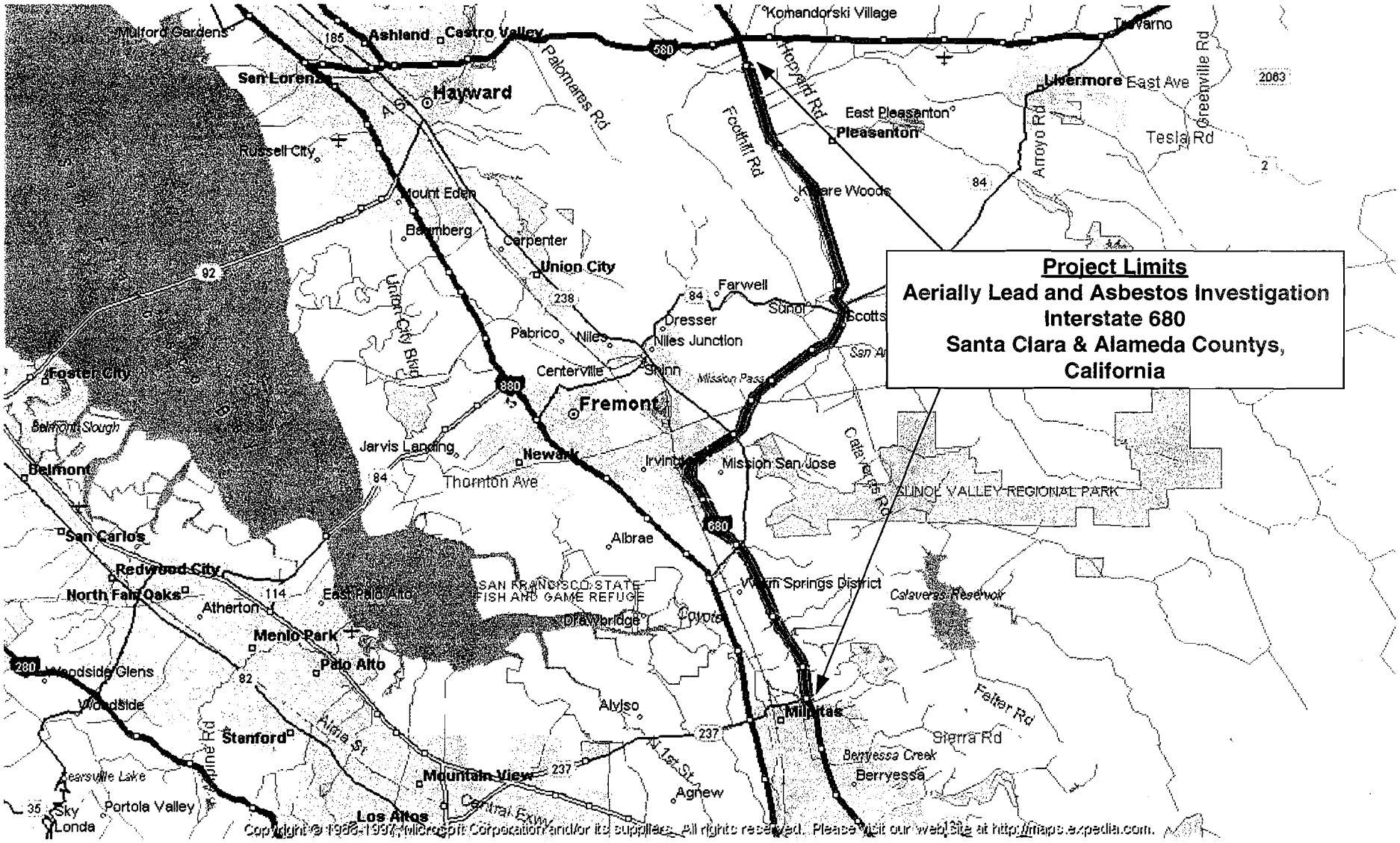
DTSC (California Environmental Protection Agency, Department of Toxic Substances Control), 2000, Variance for lead contaminated waste: dated September 22, 2000, 8 p.

Efron, B., 1982. The jackknife, the bootstrap and other resampling plans: Society for Industrial and Applied Mathematics, Philadelphia, 92 pp.

Gilbert, R. O., *Statistical methods for environmental pollution monitoring*: Van Nostrand Reinhold, New York, New York, 1987.

Shaw Environmental, Inc. (Shaw), 2003a, Health and safety plan, aerial lead and asbestos investigation, southbound Sunol Grade, proposed ramp metering and auxiliary lane project, Interstate 680, Counties of Santa Clara County and Alameda, California: dated January 6, 2003.

Shaw, 2003b, Work plan, aerial lead and asbestos investigation, southbound Sunol Grade, proposed ramp metering and auxiliary lane project, Interstate 680, Counties of Santa Clara County and Alameda, California: dated January 12, 2003.



Reference:
Microsoft Expedia, Streets 98

Scale

0 10km 20km

Figure 1

SITE LOCATION MAP

Aerially Lead and Asbestos Investigation
Interstate 680
Santa Clara & Alameda Countys, California
Task Order No. 04-253751-CP

Shaw™
Shaw E & I, Inc.

TABLE 1
LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
1	B1 - PS - 0.0	37.43253564	-121.8876977	0.0	0.0	NS				
	B1 - PS - 0.3			0.3	1.0	NS				
	B1 - PS - 0.6			0.6	1.9	NS				
	B1 - EP - 0.0			0.0	0.0	NS				
	B1 - EP - 0.3			0.3	1.0	NS				
	B1 - EP - 0.6			0.6	1.9	NS				
	B1 - 1.5 - 0.0			0.0	0.0	NS				
	B1 - 1.5 - 0.3			0.3	1.0	NS				
	B1 - 1.5 - 0.6			0.6	1.9	NS				
2	B2 - PS - 0.0	37.43344654	-121.8881962	0.0	0.0	NS				
	B2 - PS - 0.3			0.3	1.0	NS				
	B2 - PS - 0.6			0.6	1.9	NS				
	B2 - EP - 0.0			0.0	0.0	NS				
	B2 - EP - 0.3			0.3	1.0	NS				
	B2 - EP - 0.6			0.6	1.9	NS				
	B2 - 3 - 0.0			0.0	0.0	NS				
	B2 - 3 - 0.3			0.3	1.0	NS				
	B2 - 3 - 0.6			0.6	1.9	NS				
3	B3 - PS - 0.0			0.0	0.0	NS				
	B3 - PS - 0.3			0.3	1.0	NS				
	B3 - PS - 0.6			0.6	1.9	NS				
	B3 - EP - 0.0			0.0	0.0	NS				
	B3 - EP - 0.3			0.3	1.0	NS				
	B3 - EP - 0.6			0.6	1.9	NS				
	B3 - 1.5 - 0.0			0.0	0.0	NS				
	B3 - 1.5 - 0.3			0.3	1.0	NS				
	B3 - 1.5 - 0.6			0.6	1.9	NS				
4	B4 - PS - 0.0			0.0	0.0	NS				
	B4 - PS - 0.3			0.3	1.0	NS				
	B4 - PS - 0.6			0.6	1.9	NS				
	B4 - EP - 0.0			0.0	0.0	NS				
	B4 - EP - 0.3			0.3	1.0	NS				
	B4 - EP - 0.6			0.6	1.9	NS				
	B4 - 3 - 0.0			0.0	0.0	NS				
	B4 - 3 - 0.3			0.3	1.0	NS				
	B4 - 3 - 0.6			0.6	1.9	NS				
5	B5 - PS - 0.0			0.0	0.0	NS				
	B5 - PS - 0.3			0.3	1.0	NS				
	B5 - PS - 0.6			0.6	1.9	NS				
	B5 - EP - 0.0			0.0	0.0	NS				
	B5 - EP - 0.3			0.3	1.0	NS				
	B5 - EP - 0.6			0.6	1.9	NS				
	B5 - 1.5 - 0.0			0.0	0.0	NS				
	B5 - 1.5 - 0.3			0.3	1.0	NS				
	B5 - 1.5 - 0.6			0.6	1.9	NS				
6	B6 - PS - 0.0	37.43709634	-121.8894662	0.0	0.0	NS				
	B6 - PS - 0.3			0.3	1.0	NS				
	B6 - PS - 0.6			0.6	1.9	NS				
	B6 - EP - 0.0			0.0	0.0	NS				
	B6 - EP - 0.3			0.3	1.0	NS				
	B6 - EP - 0.6			0.6	1.9	NS				
	B6 - 3 - 0.0			0.0	0.0	NS				
	B6 - 3 - 0.3			0.3	1.0	NS				
	B6 - 3 - 0.6			0.6	1.9	NS				

TABLE 1
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Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
7	B7 - PS - 0.0	37.45105948	-121.8929499	0.0	0.0	NS				
	B7 - PS - 0.3			0.3	1.0	NS				
	B7 - PS - 0.6			0.6	1.9	NS				
	B7 - EP - 0.0			0.0	0.0	27				
	B7 - EP - 0.3			0.3	1.0	7.96				
	B7 - EP - 0.6			0.6	1.9	7.41				
	B7 - 1.5 - 0.0			0.0	0.0	25.3				
	B7 - 1.5 - 0.3			0.3	1.0	5.96				
	B7 - 1.5 - 0.6			0.6	1.9	13.4				
	B7 - 3 - 0.0			0.0	0.0	36.5				
	B7 - 3 - 0.3			0.3	1.0	9.69				
	B7 - 3 - 0.6			0.6	1.9	8.65				
	B7 - 3 - 0.9			0.9	2.9	8.05				
8	B8 - EP - 0.0	37.45232757	-121.893795	0.0	0.0	**222**				
	B8 - EP - 0.3			0.3	1.0	7.96				
	B8 - EP - 0.6			0.6	1.9	6.94				8.8
	B8 - 1.5 - 0.0			0.0	0.0	28.7				
	B8 - 1.5 - 0.3			0.3	1.0	**51.3**				
	B8 - 1.5 - 0.6			0.6	1.9	6.55				
	B8 - 3 - 0.0			0.0	0.0	42.9				
	B8 - 3 - 0.3			0.3	1.0	6.82				
	B8 - 3 - 0.6			0.6	1.9	11.2				
	B8 - 6 - 0.0			0.0	0.0	19.5				
	B8 - 6 - 0.3			0.3	1.0	7.59				
	B8 - 6 - 0.6			0.6	1.9	6.54				
	B8 - 6 - 0.9			0.9	2.9	5.96				8.6
9	B9 - PS - 0.0	37.45303221	-121.8944101	0.0	0.0	NS				
	B9 - PS - 0.3			0.3	1.0	5.8				
	B9 - PS - 0.6			0.6	1.9	5.97				
	B9 - PS - 0.9			0.9	2.9	12.2				
	B9 - EP - 0.0			0.0	0.0	**180**				
	B9 - EP - 0.3			0.3	1.0	8.88				
	B9 - EP - 0.6			0.6	1.9	11.7				
	B9 - 1.5 - 0.0			0.0	0.0	49.7				
	B9 - 1.5 - 0.3			0.3	1.0	6.93				
	B9 - 1.5 - 0.6			0.6	1.9	8.4				
	B9 - 3 - 0.0			0.0	0.0	40.6				
	B9 - 3 - 0.3			0.3	1.0	7.6				
	B9 - 3 - 0.6			0.6	1.9	6.15				
	B9 - 4.5 - 0.0			0.0	0.0	41.4				
10	B10 - PS - 0.0	37.4537677	-121.8950571	0.0	0.0	NS				
	B10 - PS - 0.3			0.3	1.0	5.13				8.1
	B10 - PS - 0.6			0.6	1.9	5.72				
	B10 - EP - 0.0			0.0	0.0	**202**	2.66			
	B10 - EP - 0.3			0.3	1.0	9.7				
	B10 - EP - 0.6			0.6	1.9	8.57				
	B10 - EP - 0.9			0.9	2.9	21.4				
	B10 - 1.5 - 0.0			0.0	0.0	31.4				
	B10 - 1.5 - 0.3			0.3	1.0	13.4				
	B10 - 1.5 - 0.6			0.6	1.9	9.89				
	B10 - 3 - 0.0			0.0	0.0	**56.5**	1.02			
	B10 - 3 - 0.3			0.3	1.0	10.4				
	B10 - 3 - 0.6			0.6	1.9	10.6				
11	B11 - EP - 0.0	37.45447039	-121.895708	0.0	0.0	11.1				
	B11 - EP - 0.3			0.3	1.0	<1				
	B11 - EP - 0.6			0.6	1.9	<1				
	B11 - 1.5 - 0.0			0.0	0.0	**63**				
	B11 - 1.5 - 0.3			0.3	1.0	<1				
	B11 - 1.5 - 0.6			0.6	1.9	10.6				
	B11 - 3 - 0.0			0.0	0.0	**105**	1.01			
	B11 - 3 - 0.3			0.3	1.0	6.48				
	B11 - 3 - 0.6			0.6	1.9	4.65				
	B11 - 6 - 0.0			0.0	0.0	7.07				

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Santa Clara and Alameda Counties, California
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Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
12	B12 - PS - 0.0	37.45520014	-121.8963569	0.0	0.0	NS				
	B12 - PS - 0.3			0.3	1.0	4.21				
	B12 - PS - 0.6			0.6	1.9	6.71				
	B12 - EP - 0.0			0.0	0.0	44				
	B12 - EP - 0.3			0.3	1.0	6.85				
	B12 - EP - 0.6			0.6	1.9	7.59				
	B12 - 1.5 - 0.0			0.0	0.0	**126**	2.5			
	B12 - 1.5 - 0.3			0.3	1.0	10.5				
	B12 - 1.5 - 0.6			0.6	1.9	5.57				
	B12 - 1.5 - 0.9			0.9	2.9	7.34				
	B12 - 3 - 0.0			0.0	0.0	**54.5**	1.19			
	B12 - 3 - 0.3			0.3	1.0	4.66				
	B12 - 3 - 0.6			0.6	1.9	4.79				
	B12 - 4.5 - 0.0			0.0	0.0	15.5				
13	B13 - PS - 0.0	37.45583717	-121.8969461	0.0	0.0	NS				
	B13 - PS - 0.3			0.3	1.0	5.68				8.7
	B13 - PS - 0.6			0.6	1.9	5.13				
	B13 - PS - 0.6			0.9	2.9	4.69				
	B13 - EP - 0.0			0.0	0.0	**56.3**	1.43			
	B13 - EP - 0.3			0.3	1.0	6.86				
	B13 - EP - 0.6			0.6	1.9	6.09				
	B13 - 1.5 - 0.0			0.0	0.0	**86.5**	0.899			
	B13 - 1.5 - 0.3			0.3	1.0	7.49				
	B13 - 1.5 - 0.6			0.6	1.9	5.93				
	B13 - 3 - 0.0			0.0	0.0	**52.9**	0.807			
	B13 - 3 - 0.3			0.3	1.0	6.32				
	B13 - 3 - 0.6			0.6	1.9	5.03				
	B13 - 3 - 0.9			0.9	2.9	7.28				
14	B14 - EP - 0.0	37.45643537	-121.8974651	0.0	0.0	8.38				
	B14 - EP - 0.3			0.3	1.0	7.42				
	B14 - EP - 0.6			0.6	1.9	6.42				
	B14 - EP - 0.9			0.9	2.9	34.4				
	B14 - 1.5 - 0.0			0.0	0.0	**58.8**	0.61			
	B14 - 1.5 - 0.3			0.3	1.0	32.8				
	B14 - 1.5 - 0.6			0.6	1.9	7.78				8.3
	B14 - 3 - 0.0			0.0	0.0	**65.9**	1.31			
	B14 - 3 - 0.3			0.3	1.0	6.31				
	B14 - 3 - 0.6			0.6	1.9	5.49				
	B14 - 6 - 0.0			0.0	0.0	36.9				
15	B15 - PS - 0.0	37.45708656	-121.8980526	0.0	0.0	NS				
	B15 - PS - 0.3			0.3	1.0	6.81				
	B15 - PS - 0.6			0.6	1.9	9.84				
	B15 - EP - 0.0			0.0	0.0	15.5				
	B15 - EP - 0.3			0.3	1.0	7.24				
	B15 - EP - 0.6			0.6	1.9	<1				
	B15 - 1.5 - 0.0			0.0	0.0	<1				
	B15 - 1.5 - 0.3			0.3	1.0	<1				
	B15 - 1.5 - 0.6			0.6	1.9	<1				8.7
	B15 - 3 - 0.0			0.0	0.0	**56.5**	0.77			
	B15 - 3 - 0.3			0.3	1.0	41.8				
	B15 - 3 - 0.6			0.6	1.9	10.5				
	B15 - 4.5 - 0.0			0.0	0.0	38				
	B15 - 4.5 - 0.3			0.3	1.0	10.1				
	B15 - 4.5 - 0.6			0.6	1.9	7.83				
	B15 - 4.5 - 0.9			0.9	2.9	10.1				

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LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
16	B16 - PS - 0.0	37.45778321	-121.8987286	0.0	0.0	NS				
	B16 - PS - 0.3			0.3	1.0	6.69				
	B16 - PS - 0.6			0.6	1.9	5.08				
	B16 - EP - 0.0			0.0	0.0	47.7				
	B16 - EP - 0.3			0.3	1.0	5.67				
	B16 - EP - 0.6			0.6	1.9	6.42				
	B16 - 1.5 - 0.0			0.0	0.0	**166**	3.38			
	B16 - 1.5 - 0.3			0.3	1.0	8.66				
	B16 - 1.5 - 0.6			0.6	1.9	7.15				
	B16 - 3 - 0.0			0.0	0.0	14.6				
	B16 - 3 - 0.3			0.3	1.0	6.05				
	B16 - 3 - 0.6			0.6	1.9	11.6				
17	B17 - EP - 0.0	37.45847584	-121.8993508	0.0	0.0	**308**	**5.83**	1.55		
	B17 - EP - 0.3			0.3	1.0	13				
	B17 - EP - 0.6			0.6	1.9	22.5				
	B17 - EP - 0.9			0.9	2.9	5.06				
	B17 - 1.5 - 0.0			0.0	0.0	**78.5**	1.33			
	B17 - 1.5 - 0.3			0.3	1.0	6.6				
	B17 - 1.5 - 0.6			0.6	1.9	6.83				8.0
	B17 - 3 - 0.0			0.0	0.0	**64.6**				
	B17 - 3 - 0.3			0.3	1.0	6.93				
	B17 - 3 - 0.6			0.6	1.9	6.78				
	B17 - 6 - 0.0			0.0	0.0	17.8				
18	B18 - PS - 0.0	37.45919174	-121.8999867	0.0	0.0	NS				
	B18 - PS - 0.3			0.3	1.0	NS				
	B18 - PS - 0.6			0.6	1.9	NS				
	B18 - EP - 0.0			0.0	0.0	7.66				
	B18 - EP - 0.3			0.3	1.0	6.45				
	B18 - EP - 0.6			0.6	1.9	5.86				
	B18 - 1.5 - 0.0			0.0	0.0	**127**				
	B18 - 1.5 - 0.3			0.3	1.0	9.56				
	B18 - 1.5 - 0.6			0.6	1.9	5.62				
	B18 - 3 - 0.0			0.0	0.0	**50.2**				
	B18 - 3 - 0.3			0.3	1.0	5.94				
	B18 - 3 - 0.6			0.6	1.9	7.16				
	B18 - 4.5 - 0.0			0.0	0.0	**59.8**	<0.05			
19	B19 - PS - 0.0	37.45988616	-121.9006289	0.0	0.0	NS				
	B19 - PS - 0.3			0.3	1.0	NS				
	B19 - PS - 0.6			0.6	1.9	NS				
	B19 - EP - 0.0			0.0	0.0	8.75				
	B19 - EP - 0.3			0.3	1.0	10.6				
	B19 - EP - 0.6			0.6	1.9	6.46				
	B19 - 1.5 - 0.0			0.0	0.0	**98.4**				
	B19 - 1.5 - 0.3			0.3	1.0	9.54				
	B19 - 1.5 - 0.6			0.6	1.9	8.92				
	B19 - 3 - 0.0			0.0	0.0	**284**	1.34			
	B19 - 3 - 0.3			0.3	1.0	12.7				
	B19 - 3 - 0.6			0.6	1.9	10.4				
20	B20 - EP - 0.0	37.46061924	-121.9012674	0.0	0.0	39.1				
	B20 - EP - 0.3			0.3	1.0	**457**	4.98	1.14		
	B20 - EP - 0.6			0.6	1.9	5.64				
	B20 - 1.5 - 0.0			0.0	0.0	20.4				
	B20 - 1.5 - 0.3			0.3	1.0	8.92				
	B20 - 1.5 - 0.6			0.6	1.9	7.74				
	B20 - 1.5 - 0.9			0.9	2.9	9.96				
	B20 - 3 - 0.0			0.0	0.0	**217**	0.854			
	B20 - 3 - 0.3			0.3	1.0	12.7				
	B20 - 3 - 0.6			0.6	1.9	9.51				
	B20 - 6 - 0.0			0.0	0.0	49.7				

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Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
21	B21 - PS - 0.0	37.46134765	-121.9018992	0.0	0.0	NS				
	B21 - PS - 0.3			0.3	1.0	NS				
	B21 - PS - 0.6			0.6	1.9	NS				
	B21 - EP - 0.0			0.0	0.0	36.1				
	B21 - EP - 0.3			0.3	1.0	13.6				
	B21 - EP - 0.6			0.6	1.9	6.58				
	B21 - 1.5 - 0.0			0.0	0.0	11				
	B21 - 1.5 - 0.3			0.3	1.0	5.33				
	B21 - 1.5 - 0.6			0.6	1.9	7.47				
	B21 - 3 - 0.0			0.0	0.0	10.4				
	B21 - 3 - 0.3			0.3	1.0	6.04				
	B21 - 3 - 0.6			0.6	1.9	6.94				
	B21 - 4.5 - 0.0			0.0	0.0	**52.9**	1.02			
22	B22 - PS - 0.0	37.46206269	-121.9024743	0.0	0.0	NS				
	B22 - PS - 0.3			0.3	1.0	NS				
	B22 - PS - 0.6			0.6	1.9	NS				
	B22 - EP - 0.0			0.0	0.0	37.1				
	B22 - EP - 0.3			0.3	1.0	20.4				
	B22 - EP - 0.6			0.6	1.9	7.9				
	B22 - EP - 0.9			0.9	2.9	4.87				7.1
	B22 - 1.5 - 0.0			0.0	0.0	17.7				
	B22 - 1.5 - 0.3			0.3	1.0	25.1				
	B22 - 1.5 - 0.6			0.6	1.9	9.96				
	B22 - 3 - 0.0			0.0	0.0	47.1				
	B22 - 3 - 0.3			0.3	1.0	364	2.67			
	B22 - 3 - 0.6			0.6	1.9	17.2				
23	B23 - EP - 0.0	37.46313869	-121.9033305	0.0	0.0	**249**	2.87			
	B23 - EP - 0.3			0.3	1.0	14.7				
	B23 - EP - 0.6			0.6	1.9	7.4				
	B23 - 1.5 - 0.0			0.0	0.0	**270**	1.99			8.7
	B23 - 1.5 - 0.3			0.3	1.0	8.84				
	B23 - 1.5 - 0.6			0.6	1.9	24.8				
	B23 - 3 - 0.0			0.0	0.0	66.4				
	B23 - 3 - 0.3			0.3	1.0	11.6				
	B23 - 3 - 0.6			0.6	1.9	6.07				
	B23 - 3 - 0.9			0.9	2.9	9.23				
	B23 - 6 - 0.0			0.0	0.0	28.5				
24	B24 - PS - 0.0	37.46405051	-121.9041045	0.0	0.0	NS				
	B24 - PS - 0.3			0.3	1.0	NS				
	B24 - PS - 0.6			0.6	1.9	NS				
	B24 - EP - 0.0			0.0	0.0	**55.5**	2.14			
	B24 - EP - 0.3			0.3	1.0	6.31				
	B24 - EP - 0.6			0.6	1.9	6.6				
	B24 - 1.5 - 0.0			0.0	0.0	**305**				
	B24 - 1.5 - 0.3			0.3	1.0	7.4				
	B24 - 1.5 - 0.6			0.6	1.9	6.96				
	B24 - 3 - 0.0			0.0	0.0	23				
	B24 - 3 - 0.3			0.3	1.0	**52.9**	< 0.05			8.1
	B24 - 3 - 0.6			0.6	1.9	6.42				
	B24 - 4.5 - 0.0			0.0	0.0	39.4				8.2
25	B25 - PS - 0.0	37.46851004	-121.9078	0.0	0.0	NS				
	B25 - PS - 0.3			0.3	1.0	NS				
	B25 - PS - 0.6			0.6	1.9	NS				
	B25 - EP - 0.0			0.0	0.0	15				
	B25 - EP - 0.3			0.3	1.0	9				
	B25 - EP - 0.6			0.6	1.9	4				8.2
	B25 - 1.5 - 0.0			0.0	0.0	34				
	B25 - 1.5 - 0.3			0.3	1.0	4				
	B25 - 1.5 - 0.6			0.6	1.9	4				
	B25 - 3 - 0.0			0.0	0.0	19				
	B25 - 3 - 0.3			0.3	1.0	12				
	B25 - 3 - 0.6			0.6	1.9	6				

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LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
26	B26 - EP - 0.0	37.46851004	-121.9078	0.0	0.0	80	1.15			
	B26 - EP - 0.3			0.3	1.0	87				
	B26 - EP - 0.6			0.6	1.9	24				
	B26 - EP - 0.9			0.9	2.9	4				
	B26 - 1.5 - 0.0			0.0	0.0	134	1.87			
	B26 - 1.5 - 0.3			0.3	1.0	15				
	B26 - 1.5 - 0.6			0.6	1.9	5				
	B26 - 3 - 0.0			0.0	0.0	55	1.01			
	B26 - 3 - 0.3			0.3	1.0	47				
	B26 - 3 - 0.6			0.6	1.9	40				
	B26 - 6 - 0.0			0.0	0.0	30				
27	B27 - PS - 0.0	37.47114951	-121.9096582	0.0	0.0	NS				
	B27 - PS - 0.3			0.3	1.0	NS				
	B27 - PS - 0.6			0.6	1.9	NS				
	B27 - EP - 0.0			0.0	0.0	76				
	B27 - EP - 0.3			0.3	1.0	14				
	B27 - EP - 0.6			0.6	1.9	5				
	B27 - 1.5 - 0.0			0.0	0.0	69				
	B27 - 1.5 - 0.3			0.3	1.0	6				8.1
	B27 - 1.5 - 0.6			0.6	1.9	4				
	B27 - 3 - 0.0			0.0	0.0	61	1.27			8.0
	B27 - 3 - 0.3			0.3	1.0	6				
	B27 - 3 - 0.6			0.6	1.9	4				
	B27 - 4.5 - 0.0			0.0	0.0	63				
	B27 - 4.5 - 0.3			0.3	1.0	7				
	B27 - 4.5 - 0.6			0.6	1.9	2				
	B27 - 4.5 - 0.9			0.9	2.9	6				
28	B28 - PS - 0.0	37.47166679	-121.9099805	0.0	0.0	NS				
	B28 - PS - 0.3			0.3	1.0	NS				
	B28 - PS - 0.6			0.6	1.9	NS				
	B28 - EP - 0.0			0.0	0.0	48				
	B28 - EP - 0.3			0.3	1.0	289	<0.05			
	B28 - EP - 0.6			0.6	1.9	33				
	B28 - 1.5 - 0.0			0.0	0.0	182	2.43			
	B28 - 1.5 - 0.3			0.3	1.0	31				
	B28 - 1.5 - 0.6			0.6	1.9	8				
	B28 - 1.5 - 0.9			0.9	2.9	12				
	B28 - 3 - 0.0			0.0	0.0	<1				
	B28 - 3 - 0.3			0.3	1.0	7				
	B28 - 3 - 0.6			0.6	1.9	5				
29	B29 - EP - 0.0	37.47252188	-121.9104496	0.0	0.0	26				
	B29 - EP - 0.3			0.3	1.0	196	3.94			
	B29 - EP - 0.6			0.6	1.9	32				7.4
	B29 - EP - 0.9			0.9	2.9	10				
	B29 - 1.5 - 0.0			0.0	0.0	79	1.88			
	B29 - 1.5 - 0.3			0.3	1.0	<1				
	B29 - 1.5 - 0.6			0.6	1.9	8				
	B29 - 3 - 0.0			0.0	0.0	76	<0.05			
	B29 - 3 - 0.3			0.3	1.0	9				
	B29 - 3 - 0.6			0.6	1.9	12				
	B29 - 6 - 0.0			0.0	0.0	34				
30	B30 - PS - 0.0	37.47342252	-121.9108491	0.0	0.0	NS				
	B30 - PS - 0.3			0.3	1.0	NS				
	B30 - PS - 0.6			0.6	1.9	NS				
	B30 - EP - 0.0			0.0	0.0	34.6				
	B30 - EP - 0.3			0.3	1.0	182	1.89			8.5
	B30 - EP - 0.6			0.6	1.9	265				
	B30 - 1.5 - 0.0			0.0	0.0	25.1				
	B30 - 1.5 - 0.3			0.3	1.0	9.85				
	B30 - 1.5 - 0.6			0.6	1.9	7.41				
	B30 - 3 - 0.0			0.0	0.0	6.29				
	B30 - 3 - 0.3			0.3	1.0	18.4				
	B30 - 3 - 0.6			0.6	1.9	5.26				
	B30 - 4.5 - 0.0			0.0	0.0	63	0.588			

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Task Order No. 04-253751-CP
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
31	B31 - PS - 0.0	37.47423979	-121.9111501	0.0	0.0	NS				
	B31 - PS - 0.3			0.3	1.0	NS				
	B31 - PS - 0.6			0.6	1.9	NS				
	B31 - EP - 0.0			0.0	0.0	172	2.25			
	B31 - EP - 0.3			0.3	1.0	9.87				
	B31 - EP - 0.6			0.6	1.9	6.24				
	B31 - 1.5 - 0.0			0.0	0.0	7.15				
	B31 - 1.5 - 0.3			0.3	1.0	5.73				
	B31 - 1.5 - 0.6			0.6	1.9	6.24				
	B31 - 3 - 0.0			0.0	0.0	30				
	B31 - 3 - 0.3			0.3	1.0	8				
	B31 - 3 - 0.6			0.6	1.9	7				
	B31 - 3 - 0.9			0.9	2.9	8				
32	B32 - EP - 0.0	37.47473502	-121.9113045	0.0	0.0	12.8				
	B32 - EP - 0.3			0.3	1.0	2.9				
	B32 - EP - 0.6			0.6	1.9	3.71				8.8
	B32 - 1.5 - 0.0			0.0	0.0	5.3				
	B32 - 1.5 - 0.3			0.3	1.0	4.44				
	B32 - 1.5 - 0.6			0.6	1.9	6.31				
	B32 - 3 - 0.0			0.0	0.0	142				
	B32 - 3 - 0.3			0.3	1.0	32				
	B32 - 3 - 0.6			0.6	1.9	7				
	B32 - 6 - 0.0			0.0	0.0	48				
33	B33 - PS - 0.0	37.47564828	-121.9115904	0.0	0.0	NS				
	B33 - PS - 0.3			0.3	1.0	NS				
	B33 - PS - 0.6			0.6	1.9	NS				
	B33 - EP - 0.0			0.0	0.0	59				
	B33 - EP - 0.3			0.3	1.0	132				
	B33 - EP - 0.6			0.6	1.9	33				
	B33 - 1.5 - 0.0			0.0	0.0	68	0.632			
	B33 - 1.5 - 0.3			0.3	1.0	55	1.07			
	B33 - 1.5 - 0.6			0.6	1.9	13				
	B33 - 3 - 0.0			0.0	0.0	92	1.2			8.1
	B33 - 3 - 0.3			0.3	1.0	7				
	B33 - 3 - 0.6			0.6	1.9	5				
	B33 - 4.5 - 0.0			0.0	0.0	28				
34	B34 - PS - 0.0	37.47619594	-121.9117663	0.0	0.0	NS				
	B34 - PS - 0.3			0.3	1.0	NS				
	B34 - PS - 0.6			0.6	1.9	NS				
	B34 - EP - 0.0			0.0	0.0	22.2				
	B34 - EP - 0.3			0.3	1.0	5.16				
	B34 - EP - 0.6			0.6	1.9	6.38				
	B34 - EP - 0.9			0.9	2.9	6.53				
	B34 - 1.5 - 0.0			0.0	0.0	24.9				
	B34 - 1.5 - 0.3			0.3	1.0	12.3				
	B34 - 1.5 - 0.6			0.6	1.9	<1				
	B34 - 3 - 0.0			0.0	0.0	18				
	B34 - 3 - 0.3			0.3	1.0	7				
	B34 - 3 - 0.6			0.6	1.9	6				8.2
35	B35 - EP - 0.0	37.4770731	-121.912026	0.0	0.0	217	1.15			
	B35 - EP - 0.3			0.3	1.0	16.9				
	B35 - EP - 0.6			0.6	1.9	5.84				
	B35 - 1.5 - 0.0			0.0	0.0	35.6				
	B35 - 1.5 - 0.3			0.3	1.0	8.02				
	B35 - 1.5 - 0.6			0.6	1.9	7.43				
	B35 - 3 - 0.0			0.0	0.0	36				
	B35 - 3 - 0.3			0.3	1.0	6				
	B35 - 3 - 0.6			0.6	1.9	6				
	B35 - 3 - 0.9			0.9	2.9	7				
	B35 - 6 - 0.0			0.0	0.0	33				

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Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
36	B36 - PS - 0.0	37.47790623	-121.9123385	0.0	0.0	NS				
	B36 - PS - 0.3			0.3	1.0	NS				
	B36 - PS - 0.6			0.6	1.9	NS				
	B36 - EP - 0.0			0.0	0.0	17				
	B36 - EP - 0.3			0.3	1.0	11				8.5
	B36 - EP - 0.6			0.6	1.9	6				
	B36 - 1.5 - 0.0			0.0	0.0	51	1.12			
	B36 - 1.5 - 0.3			0.3	1.0	53	0.787			
	B36 - 1.5 - 0.6			0.6	1.9	6				
	B36 - 1.5 - 0.9			0.9	2.9	5				
	B36 - 3 - 0.0			0.0	0.0	46				
	B36 - 3 - 0.3			0.3	1.0	18				
	B36 - 3 - 0.6			0.6	1.9	36				
	B36 - 4.5 - 0.0			0.0	0.0	97				
37	B37 - PS - 0.0	37.47880265	-121.9125495	0.0	0.0	NS				
	B37 - PS - 0.3			0.3	1.0	NS				
	B37 - PS - 0.6			0.6	1.9	NS				
	B37 - EP - 0.0			0.0	0.0	15.2				8.5
	B37 - EP - 0.3			0.3	1.0	8.21				
	B37 - EP - 0.6			0.6	1.9	7.43				
	B37 - 1.5 - 0.0			0.0	0.0	14.6				
	B37 - 1.5 - 0.3			0.3	1.0	7.03				
	B37 - 1.5 - 0.6			0.6	1.9	6.86				
	B37 - 3 - 0.0			0.0	0.0	15				
	B37 - 3 - 0.3			0.3	1.0	27				
	B37 - 3 - 0.6			0.6	1.9	6				
38	B38 - EP - 0.0	37.479779	-121.9128736	0.0	0.0	43.3				
	B38 - EP - 0.0	Duplicate		0.0	0.0	113	1.48			
	B38 - EP - 0.3			0.3	1.0	5.51				
	B38 - EP - 0.3	Duplicate		0.3	1.0	9.69				
	B38 - EP - 0.6			0.6	1.9	6.75				
	B38 - EP - 0.6	Duplicate		0.6	1.9	8.6				
	B38 - EP - 0.9			0.9	2.9	5.9				
	B38 - EP - 0.9	Duplicate		0.9	2.9	8.06				
	B38 - 1.5 - 0.0			0.0	0.0	19.3				
	B38 - 1.5 - 0.3			0.3	1.0	8.23				
	B38 - 1.5 - 0.6			0.6	1.9	5.52				
	B38 - 3 - 0.0			0.0	0.0	16	0.0805			
	B38 - 3 - 0.3			0.3	1.0	3.98				
	B38 - 3 - 0.6			0.6	1.9	3.42				
	B38 - 6 - 0.0			0.0	0.0	26				
39	B39 - PS - 0.0	37.48063148	-121.9131436	0.0	0.0	NS				
	B39 - PS - 0.3			0.3	1.0	NS				
	B39 - PS - 0.6			0.6	1.9	NS				
	B39 - EP - 0.0			0.0	0.0	4.76				
	B39 - EP - 0.3			0.3	1.0	6.19				
	B39 - EP - 0.6			0.6	1.9	5.54				
	B39 - 1.5 - 0.0			0.0	0.0	20				
	B39 - 1.5 - 0.3			0.3	1.0	10.9				
	B39 - 1.5 - 0.6			0.6	1.9	5.2				
	B39 - 3 - 0.0			0.0	0.0	8.78				
	B39 - 3 - 0.3			0.3	1.0	5.04				
	B39 - 3 - 0.6			0.6	1.9	4.95				8.1
	B39 - 4.5 - 0.0			0.0	0.0	7.52				
	B39 - 4.5 - 0.3			0.3	1.0	5.65				
	B39 - 4.5 - 0.6			0.6	1.9	3.08				
	B39 - 4.5 - 0.9			0.9	2.9	2.05				9.2

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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
40	B40 - PS - 0.0	37.48144937	-121.9134039	0.0	0.0	NS				
	B40 - PS - 0.3			0.3	1.0	NS				
	B40 - PS - 0.6			0.6	1.9	NS				
	B40 - EP - 0.0			0.0	0.0	35.4				
	B40 - EP - 0.0	Duplicate		0.0	0.0	42.9				
	B40 - EP - 0.3			0.3	1.0	11.3				
	B40 - EP - 0.3	Duplicate		0.3	1.0	13.8	<0.05			
	B40 - EP - 0.6			0.6	1.9	7.15				
	B40 - EP - 0.6	Duplicate		0.6	1.9	5.94				
	B40 - 1.5 - 0.0			0.0	0.0	8.55				
	B40 - 1.5 - 0.0	Duplicate		0.0	0.0	38.8				
	B40 - 1.5 - 0.3			0.3	1.0	9.48				
	B40 - 1.5 - 0.3	Duplicate		0.3	1.0	11.2				
	B40 - 1.5 - 0.6			0.6	1.9	7.07				
	B40 - 1.5 - 0.6	Duplicate		0.6	1.9	6.51				8.4
	B40 - 3 - 0.0			0.0	0.0	47.6				
	B40 - 3 - 0.0	Duplicate		0.0	0.0	16.1				
	B40 - 3 - 0.3			0.3	1.0	12.1	<0.05			
	B40 - 3 - 0.3	Duplicate		0.3	1.0	5.41				
	B40 - 3 - 0.6			0.6	1.9	17.2				
	B40 - 3 - 0.6	Duplicate		0.6	1.9	5.58				
41	B41 - EP - 0.0	37.48237486	-121.9136817	0.0	0.0	45				
	B41 - EP - 0.3			0.3	1.0	6.42				
	B41 - EP - 0.6			0.6	1.9	7.61				
	B41 - EP - 0.9			0.9	2.9	6.19				8.2
	B41 - 1.5 - 0.0			0.0	0.0	6.5				
	B41 - 1.5 - 0.3			0.3	1.0	7.94				
	B41 - 1.5 - 0.6			0.6	1.9	7.34				
	B41 - 3 - 0.0			0.0	0.0	94	2.77			
	B41 - 3 - 0.3			0.3	1.0	20				
	B41 - 3 - 0.6			0.6	1.9	9				
	B41 - 6 - 0.0			0.0	0.0	46				
42	B42 - PS - 0.0	37.48320561	-121.913942	0.0	0.0	NS				
	B42 - PS - 0.3			0.3	1.0	NS				
	B42 - PS - 0.6			0.6	1.9	NS				
	B42 - EP - 0.0			0.0	0.0	388				
	B42 - EP - 0.3			0.3	1.0	6.42				
	B42 - EP - 0.6			0.6	1.9	6.77				
	B42 - 1.5 - 0.0			0.0	0.0	15.2				
	B42 - 1.5 - 0.3			0.3	1.0	6.35				
	B42 - 1.5 - 0.6			0.6	1.9	6.74				
	B42 - 3 - 0.0			0.0	0.0	104	1.67			
	B42 - 3 - 0.3			0.3	1.0	28				
	B42 - 3 - 0.6			0.6	1.9	20				
	B42 - 4.5 - 0.0			0.0	0.0	42				
43	B43 - PS - 0.0	37.48400284	-121.9142842	0.0	0.0	NS				
	B43 - PS - 0.3			0.3	1.0	NS				
	B43 - PS - 0.6			0.6	1.9	NS				
	B43 - EP - 0.0			0.0	0.0	71.8	2.56			8.5
	B43 - EP - 0.3			0.3	1.0	11.3				
	B43 - EP - 0.6			0.6	1.9	49.1				
	B43 - 1.5 - 0.0			0.0	0.0	5.87				
	B43 - 1.5 - 0.3			0.3	1.0	6.9				
	B43 - 1.5 - 0.6			0.6	1.9	7.26				
	B43 - 3 - 0.0			0.0	0.0	41				
	B43 - 3 - 0.3			0.3	1.0	13				
	B43 - 3 - 0.6			0.6	1.9	89	<0.05			8.3

TABLE 1
LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
44	B44 - EP - 0.0			0.0	0.0	**803**	**23.4**	2.27	2.66	
	B44 - EP - 0.3			0.3	1.0	4.44				
	B44 - EP - 0.6			0.6	1.9	4.01				
	B44 - 1.5 - 0.0			0.0	0.0	**145**	2.32			
	B44 - 1.5 - 0.3			0.3	1.0	**81**	2.45			
	B44 - 1.5 - 0.6			0.6	1.9	20				
	B44 - 1.5 - 0.9			0.9	2.9	11				
	B44 - 3 - 0.0			0.0	0.0	**127**				
	B44 - 3 - 0.3			0.3	1.0	25				
	B44 - 3 - 0.6			0.6	1.9	3				
	B44 - 3 - 0.9			0.9	2.9	12				8.2
	B44 - 6 - 0.0			0.0	0.0	28				
45	B45 - PS - 0.0	37.48594009	-121.9155624	0.0	0.0	NS				
	B45 - PS - 0.3			0.3	1.0	4.12				
	B45 - PS - 0.6			0.6	1.9	4.44				
	B45 - PS - 0.9			0.9	2.9	5.17				
	B45 - EP - 0.0			0.0	0.0	**188**				
	B45 - EP - 0.3			0.3	1.0	**398**	**8.26**	1.31	1.63	
	B45 - EP - 0.6			0.6	1.9	8.58				
	B45 - 1.5 - 0.0			0.0	0.0	27				
	B45 - 1.5 - 0.3			0.3	1.0	40				
	B45 - 1.5 - 0.6			0.6	1.9	18				
	B45 - 3 - 0.0			0.0	0.0	39				
	B45 - 3 - 0.3			0.3	1.0	27				
	B45 - 3 - 0.6			0.6	1.9	38				
	B45 - 4.5 - 0.0			0.0	0.0	**61**				
46	B46 - PS - 0.0	37.48667779	-121.9160567	0.0	0.0	NS				
	B46 - PS - 0.3			0.3	1.0	2.41				9.1
	B46 - PS - 0.6			0.6	1.9	3.49				
	B46 - EP - 0.0			0.0	0.0	113	3.5	0.562		
	B46 - EP - 0.3			0.3	1.0	**83.5**				
	B46 - EP - 0.6			0.6	1.9	3.84				
	B46 - EP - 0.9			0.9	2.9	4.74				
	B46 - 1.5 - 0.0			0.0	0.0	36				
	B46 - 1.5 - 0.3			0.3	1.0	20				
	B46 - 1.5 - 0.6			0.6	1.9	19				
	B46 - 3 - 0.0			0.0	0.0	**74**	1.71			
	B46 - 3 - 0.3			0.3	1.0	**72**	1.77			
	B46 - 3 - 0.6			0.6	1.9	23				
47	B47 - EP - 0.0	37.48736811	-121.9165597	0.0	0.0	4.51				
	B47 - EP - 0.3			0.3	1.0	<1				
	B47 - EP - 0.6			0.6	1.9	8.04	<0.05			
	B47 - 1.5 - 0.0			0.0	0.0	9.1				
	B47 - 1.5 - 0.3			0.3	1.0	6.73				8.5
	B47 - 1.5 - 0.6			0.6	1.9	7.96				
	B47 - 3 - 0.0			0.0	0.0	16.1				
	B47 - 3 - 0.3			0.3	1.0	5.62				
	B47 - 3 - 0.6			0.6	1.9	6.95				
	B47 - 6 - 0.0			0.0	0.0	11				
48	B48 - PS - 0.0	37.48784408	-121.9168856	0.0	0.0	NS				
	B48 - PS - 0.3			0.3	1.0	NS				
	B48 - PS - 0.6			0.6	1.9	NS				
	B48 - EP - 0.0			0.0	0.0	**71.6**	0.817			
	B48 - EP - 0.3			0.3	1.0	4.54				
	B48 - EP - 0.6			0.6	1.9	5.04				
	B48 - 1.5 - 0.0			0.0	0.0	5.98				8.9
	B48 - 1.5 - 0.3			0.3	1.0	4.45				
	B48 - 1.5 - 0.6			0.6	1.9	9.01				
	B48 - 3 - 0.0			0.0	0.0	4.36				
	B48 - 3 - 0.3			0.3	1.0	5.63				
	B48 - 3 - 0.6			0.6	1.9	3.74				
	B48 - 4.5 - 0.0			0.0	0.0	32				
	B48 - 4.5 - 0.3			0.3	1.0	4				
	B48 - 4.5 - 0.6			0.6	1.9	3				9.0
	B48 - 4.5 - 0.9			0.9	2.9	3				

TABLE 1
LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
49	B49 - PS - 0.0	37.48821408	-121.9171652	0.0	0.0	NS				
	B49 - PS - 0.3			0.3	1.0	2.23				
	B49 - PS - 0.6			0.6	1.9	3.81				
	B49 - PS - 0.9			0.9	2.9	3.85				
	B49 - EP - 0.0			0.0	0.0	19.9				
	B49 - EP - 0.3			0.3	1.0	6.88				
	B49 - EP - 0.6			0.6	1.9	11.3				
	B49 - 1.5 - 0.0			0.0	0.0	16.9				
	B49 - 1.5 - 0.3			0.3	1.0	9.01				
	B49 - 1.5 - 0.6			0.6	1.9	6.03				
	B49 - 3 - 0.0			0.0	0.0	5.37				
	B49 - 3 - 0.3			0.3	1.0	5.57				
	B49 - 3 - 0.6			0.6	1.9	7.68				
50	B50 - EP - 0.0	37.48865149	-121.9174509	0.0	0.0	18.4				
	B50 - EP - 0.3			0.3	1.0	8.86				
	B50 - EP - 0.6			0.6	1.9	6.28				
	B50 - EP - 0.9			0.9	2.9	4.98				
	B50 - 1.5 - 0.0			0.0	0.0	6.68				
	B50 - 1.5 - 0.3			0.3	1.0	5.64				
	B50 - 1.5 - 0.6			0.6	1.9	4.19				8.8
	B50 - 3 - 0.0			0.0	0.0	8.23				
	B50 - 3 - 0.3			0.3	1.0	6.95				
	B50 - 3 - 0.6			0.6	1.9	5				
	B50 - 6 - 0.0			0.0	0.0	28				
51	B51 - PS - 0.0	37.48923009	-121.9178575	0.0	0.0	NS				
	B51 - PS - 0.3			0.3	1.0	NS				
	B51 - PS - 0.6			0.6	1.9	NS				
	B51 - EP - 0.0			0.0	0.0	163	<0.05			
	B51 - EP - 0.3			0.3	1.0	3.64				
	B51 - EP - 0.6			0.6	1.9	2.51	<0.05			
	B51 - 1.5 - 0.0			0.0	0.0	6.16	<0.05			
	B51 - 1.5 - 0.3			0.3	1.0	9.81				
	B51 - 1.5 - 0.6			0.6	1.9	34.2				
	B51 - 3 - 0.0			0.0	0.0	164	1.7			
	B51 - 3 - 0.3			0.3	1.0	57	0.648			
	B51 - 3 - 0.6			0.6	1.9	13				
	B51 - 3 - 0.9			0.9	2.9	7				
	B51 - 4.5 - 0.0			0.0	0.0	71	1.03			
52	B52 - PS - 0.0	37.48975374	-121.9182201	0.0	0.0	NS				
	B52 - PS - 0.3			0.3	1.0	NS				
	B52 - PS - 0.6			0.6	1.9	NS				
	B52 - EP - 0.0			0.0	0.0	83.6	0.794			
	B52 - EP - 0.3			0.3	1.0	9.26				7.9
	B52 - EP - 0.6			0.6	1.9	6.64				
	B52 - 1.5 - 0.0			0.0	0.0	77	0.505			
	B52 - 1.5 - 0.3			0.3	1.0	42				
	B52 - 1.5 - 0.6			0.6	1.9	55				
	B52 - 1.5 - 0.9			0.9	2.9	37	<0.05			
	B52 - 3 - 0.0			0.0	0.0	116	1.51			
	B52 - 3 - 0.3			0.3	1.0	9				
	B52 - 3 - 0.6			0.6	1.9	11				
53	B53 - EP - 0.0	37.49017684	-121.9185188	0.0	0.0	13.3				8.1
	B53 - EP - 0.3			0.3	1.0	6.97				
	B53 - EP - 0.6			0.6	1.9	8.48				
	B53 - EP - 0.9			0.9	2.9	7.68				
	B53 - 1.5 - 0.0			0.0	0.0	23.5				
	B53 - 1.5 - 0.3			0.3	1.0	9.46				
	B53 - 1.5 - 0.6			0.6	1.9	7.91				
	B53 - 3 - 0.0			0.0	0.0	8.16				
	B53 - 3 - 0.3			0.3	1.0	8.94				
	B53 - 3 - 0.6			0.6	1.9	9.48				
	B53 - 6 - 0.0			0.0	0.0	58	0.911			

TABLE 1
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Caltrans - I 680
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
54	B54 - PS - 0.0	37.49152703	-121.9195143	0.0	0.0	NS				
	B54 - PS - 0.3			0.3	1.0	NS				
	B54 - PS - 0.6			0.6	1.9	NS				
	B54 - EP - 0.0			0.0	0.0	8.52				
	B54 - EP - 0.3			0.3	1.0	**199**	2.31			
	B54 - EP - 0.6			0.6	1.9	4.68				
	B54 - 1.5 - 0.0			0.0	0.0	**234**	4.42	1.15		
	B54 - 1.5 - 0.3			0.3	1.0	**206**	2.79			
	B54 - 1.5 - 0.6			0.6	1.9	**75**	3.03			
	B54 - 3 - 0.0			0.0	0.0	**167**	2.68			
	B54 - 3 - 0.3			0.3	1.0	**58**				
	B54 - 3 - 0.6			0.6	1.9	10				8.7
	B54 - 4.5 - 0.0			0.0	0.0	**50**	0.582			
55	B55 - PS - 0.0	37.49229833	-121.9201405	0.0	0.0	NS				
	B55 - PS - 0.3			0.3	1.0	NS				
	B55 - PS - 0.6			0.6	1.9	NS				
	B55 - EP - 0.0			0.0	0.0	6.27				
	B55 - EP - 0.3			0.3	1.0	8.8				
	B55 - EP - 0.6			0.6	1.9	3.18				8.5
	B55 - 1.5 - 0.0			0.0	0.0	28				7.0
	B55 - 1.5 - 0.3			0.3	1.0	18				
	B55 - 1.5 - 0.6			0.6	1.9	30				
	B55 - 3 - 0.0			0.0	0.0	**99**	1.63			
	B55 - 3 - 0.3			0.3	1.0	**101**	1.3			
	B55 - 3 - 0.6			0.6	1.9	6				
56	B56 - EP - 0.0	37.5147224	-121.9400618	0.0	0.0	**596**	**14.9**	5.14		
	B56 - EP - 0.3			0.3	1.0	6.46				
	B56 - EP - 0.6			0.6	1.9	8.03				
	B56 - 1.5 - 0.0			0.0	0.0	NS				
	B56 - 1.5 - 0.3			0.3	1.0	NS				
	B56 - 1.5 - 0.6			0.6	1.9	NS				
	B56 - 3 - 0.0			0.0	0.0	NS				
	B56 - 3 - 0.3			0.3	1.0	NS				
	B56 - 3 - 0.6			0.6	1.9	NS				
	B56 - 6 - 0.0			0.0	0.0	NS				
57	B57 - PS - 0.0	37.51612202	-121.9409025	0.0	0.0	NS - Refusal				
	B57 - PS - 0.3			0.3	1.0	NS - Refusal				
	B57 - PS - 0.6			0.6	1.9	NS - Refusal				
	B57 - EP - 0.0			0.0	0.0	**189**	3.53			
	B57 - EP - 0.3			0.3	1.0	**104**	2.27			
	B57 - EP - 0.6			0.6	1.9	1.97				
	B57 - 1.5 - 0.0			0.0	0.0	**287**	2.16			
	B57 - 1.5 - 0.3			0.3	1.0	**78**	1.26			
	B57 - 1.5 - 0.6			0.6	1.9	40				
	B57 - 3 - 0.0			0.0	0.0	33				
	B57 - 3 - 0.3			0.3	1.0	9				
	B57 - 3 - 0.6			0.6	1.9	15				
	B57 - 4.5 - 0.0			0.0	0.0	27				
58	B58 - PS - 0.0	37.51688775	-121.9413294	0.0	0.0	NS				
	B58 - PS - 0.3			0.3	1.0	5.06				
	B58 - PS - 0.6			0.6	1.9	5.54				
	B58 - EP - 0.0			0.0	0.0	**97.6**				
	B58 - EP - 0.3			0.3	1.0	4.18				
	B58 - EP - 0.6			0.6	1.9	8.13				
	B58 - 1.5 - 0.0			0.0	0.0	**94**	2.45			
	B58 - 1.5 - 0.3			0.3	1.0	**230**	1.73			
	B58 - 1.5 - 0.6			0.6	1.9	13	<0.05			
	B58 - 3 - 0.0			0.0	0.0	**67**	1.05			
	B58 - 3 - 0.3			0.3	1.0	26				
	B58 - 3 - 0.6			0.6	1.9	16				
	B58 - 3 - 0.9			0.9	2.9	5				

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Caltrans - I 680
Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
59	B59 - EP - 0.0	37.51762449	-121.9417428	0.0	0.0	**83.7**	0.918			
	B59 - EP - 0.3			0.3	1.0	6.51				
	B59 - EP - 0.6			0.6	1.9	5.63				
	B59 - 1.5 - 0.0			0.0	0.0	66				
	B59 - 1.5 - 0.3			0.3	1.0	44				
	B59 - 1.5 - 0.6			0.6	1.9	33				
	B59 - 3 - 0.0			0.0	0.0	36				8.5
	B59 - 3 - 0.3			0.3	1.0	11				
	B59 - 3 - 0.6			0.6	1.9	10				
	B59 - 6 - 0.0			0.0	0.0	16				
60	B60 - PS - 0.0	37.51851861	-121.9423094	0.0	0.0	NS				
	B60 - PS - 0.3			0.3	1.0	3.34				
	B60 - PS - 0.6			0.6	1.9	4.7				
	B60 - EP - 0.0			0.0	0.0	6.64				
	B60 - EP - 0.3			0.3	1.0	5.03				
	B60 - EP - 0.6			0.6	1.9	4.84				
	B60 - 1.5 - 0.0			0.0	0.0	**85**	1.43			
	B60 - 1.5 - 0.3			0.3	1.0	**70**				
	B60 - 1.5 - 0.6			0.6	1.9	**72**	1.5			
	B60 - 1.5 - 0.9			0.9	2.9	39				
	B60 - 3 - 0.0			0.0	0.0	**65**				
	B60 - 3 - 0.3			0.3	1.0	15				
	B60 - 3 - 0.6			0.6	1.9	26				
	B60 - 4.5 - 0.0			0.0	0.0	32				
	B60 - 4.5 - 3.0			3.0	10.0	12				
	B60 - 4.5 - 6.0			6.0	19.0	28				
	B60 - 4.5 - 9.0			9.0	29.0	4				9.0
61	B61 - PS - 0.0	37.51932365	-121.9428926	0.0	0.0	NS				
	B61 - PS - 0.3			0.3	1.0	NS				
	B61 - PS - 0.6			0.6	1.9	NS				
	B61 - EP - 0.0			0.0	0.0	67.6	0.742			8.6
	B61 - EP - 0.3			0.3	1.0	4.21				
	B61 - EP - 0.6			0.6	1.9	5.65				
	B61 - 1.5 - 0.0			0.0	0.0	**150**				
	B61 - 1.5 - 0.3			0.3	1.0	**97**	1.4			
	B61 - 1.5 - 0.6			0.6	1.9	**76**				
	B61 - 3 - 0.0			0.0	0.0	46				
	B61 - 3 - 0.3			0.3	1.0	4.21				
	B61 - 3 - 0.3	Duplicate		0.3	1.0	34				
	B61 - 3 - 0.6			0.6	1.9	5.65				
	B61 - 3 - 0.6	Duplicate		0.6	1.9	6				
62	B62 - EP - 0.0	37.52001928	-121.943435	0.0	0.0	**54.6**	2.58			
	B62 - EP - 0.3			0.3	1.0	**178**	**5.34**	<0.01		
	B62 - EP - 0.6			0.6	1.9	8.71				
	B62 - EP - 0.9			0.9	2.9	4.15				8.1
	B62 - 1.5 - 0.0			0.0	0.0	**126**	2.64			
	B62 - 1.5 - 0.3			0.3	1.0	**245**	2.26			8.1
	B62 - 1.5 - 0.6			0.6	1.9	**78**	3.15			
	B62 - 3 - 0.0			0.0	0.0	**54**	1.24			
	B62 - 3 - 0.3			0.3	1.0	6				
	B62 - 3 - 0.6			0.6	1.9	45				
	B62 - 6 - 0.0			0.0	0.0	34				
63	B63 - PS - 0.0	37.52074038	-121.9441011	0.0	0.0	NS				
	B63 - PS - 0.3			0.3	1.0	5.17				
	B63 - PS - 0.6			0.6	1.9	5.73				
	B63 - EP - 0.0			0.0	0.0	4.2				
	B63 - EP - 0.3			0.3	1.0	3.11				
	B63 - EP - 0.6			0.6	1.9	7.16				
	B63 - 1.5 - 0.0			0.0	0.0	**118**	1.96			
	B63 - 1.5 - 0.3			0.3	1.0	47				
	B63 - 1.5 - 0.6			0.6	1.9	**63**				
	B63 - 3 - 0.0			0.0	0.0	**60**				
	B63 - 3 - 0.3			0.6	1.9	22				
	B63 - 3 - 0.6			0.0	0.5	43				
	B63 - 4.5 - 0.0			0.0	0.0	47				

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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
64	B64 - PS - 0.0	37.52141673	-121.9447717	0.0	0.0	NS				
	B64 - PS - 0.3			0.3	1.0	56	<0.05			
	B64 - PS - 0.6			0.6	1.9	56.7	<0.05			
	B64 - EP - 0.0			0.0	0.0	68.2	<0.05			
	B64 - EP - 0.3			0.3	1.0	7.66				
	B64 - EP - 0.6			0.6	1.9	2.19				
	B64 - 1.5 - 0.0			0.0	0.0	119				8.7
	B64 - 1.5 - 0.3			0.3	1.0	158	2.92			
	B64 - 1.5 - 0.6			0.6	1.9	33				
	B64 - 3 - 0.0			0.0	0.0	74				
	B64 - 3 - 0.3			0.3	1.0	47				
	B64 - 3 - 0.6			0.6	1.9	65	1.45			
65	B65 - EP - 0.0	37.52202967	-121.9453997	0.0	0.0	4.18				
	B65 - EP - 0.3			0.3	1.0	5.62				
	B65 - EP - 0.6			0.6	1.9	7.55				
	B65 - EP - 0.9			0.9	2.9	6.43				
	B65 - 1.5 - 0.0			0.0	0.0	233	7.38	2.16		
	B65 - 1.5 - 0.3			0.3	1.0	216	10.1	4.17		
	B65 - 1.5 - 0.6			0.6	1.9	25				
	B65 - 3 - 0.0			0.0	0.0	155				
	B65 - 3 - 0.3			0.3	1.0	39				
	B65 - 3 - 0.6			0.6	1.9	24				
	B65 - 6 - 0.0			0.0	0.0	27				
	B65 - 6 - 0.3			0.3	1.0	21				
	B65 - 6 - 0.6			0.6	1.9	11				
	B65 - 6 - 0.9			0.9	2.9	22				8.5
66	B66 - PS - 0.0	37.52278561	-121.9461054	0.0	0.0	NS				
	B66 - PS - 0.3			0.3	1.0	4.63				
	B66 - PS - 0.6			0.6	1.9	11.7				
	B66 - PS - 0.9			0.9	2.9	6.72				
	B66 - EP - 0.0			0.0	0.0	36.1				
	B66 - EP - 0.3			0.3	1.0	4.03				
	B66 - EP - 0.6			0.6	1.9	4.39				
	B66 - 1.5 - 0.0			0.0	0.0	124	3.33			
	B66 - 1.5 - 0.3			0.3	1.0	147	3.22			
	B66 - 1.5 - 0.6			0.6	1.9	8				
	B66 - 3 - 0.0			0.0	0.0	120				
	B66 - 3 - 0.3			0.3	1.0	16				
	B66 - 3 - 0.6			0.6	1.9	4				
	B66 - 4.5 - 0.0			0.0	0.0	39				
67	B67 - PS - 0.0	37.52353022	-121.9465858	0.0	0.0	NS				
	B67 - PS - 0.3			0.3	1.0	4.36				
	B67 - PS - 0.6			0.6	1.9	5.66				
	B67 - EP - 0.0			0.0	0.0	3.08				
	B67 - EP - 0.3			0.3	1.0	4.19				
	B67 - EP - 0.6			0.6	1.9	6.68				
	B67 - 1.5 - 0.0			0.0	0.0	236				
	B67 - 1.5 - 0.3			0.3	1.0	104	1.25			
	B67 - 1.5 - 0.6			0.6	1.9	5				8.8
	B67 - 3 - 0.0			0.0	0.0	79				
	B67 - 3 - 0.3			0.3	1.0	19				
	B67 - 3 - 0.6			0.6	1.9	12				
68	B68 - EP - 0.0	37.52418051	-121.9468327	0.0	0.0	8.29				
	B68 - EP - 0.3			0.3	1.0	3.72				
	B68 - EP - 0.6			0.6	1.9	7.98				
	B68 - 1.5 - 0.0			0.0	0.0	320	5.17	2.03		
	B68 - 1.5 - 0.3			0.3	1.0	23				
	B68 - 1.5 - 0.6			0.6	1.9	8				
	B68 - 1.5 - 0.9			0.9	2.9	11				
	B68 - 3 - 0.0			0.0	0.0	97				
	B68 - 3 - 0.3			0.3	1.0	6				
	B68 - 3 - 0.6			0.6	1.9	7				
	B68 - 6 - 0.0			0.0	0.0	19				

TABLE 1
LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
69	B69 - PS - 0.0	37.52561484	-121.9470086	0.0	0.0	NS				
	B69 - PS - 0.3			0.3	1.0	NS				
	B69 - PS - 0.6			0.6	1.9	NS				
	B69 - EP - 0.0			0.0	0.0	NS				
	B69 - EP - 0.3			0.3	1.0	NS				
	B69 - EP - 0.6			0.6	1.9	NS				
	B69 - 1.5 - 0.0			0.0	0.0	25.2				
	B69 - 1.5 - 0.3			0.3	1.0	**174**	2.66			
	B69 - 1.5 - 0.6			0.6	1.9	6.79				
	B69 - 3 - 0.0			0.0	0.0	15.7				
	B69 - 3 - 0.3			0.3	1.0	10				
	B69 - 3 - 0.6			0.6	1.9	**90.9**	1.91			
	B69 - 4.5 - 0.0			0.0	0.0	13.9				9.0
	B69 - 4.5 - 0.3			0.3	1.0	6.5				
	B69 - 4.5 - 0.6			0.6	1.9	**58.4**				
	B69 - 7 0.0			0.0	0.0	17.1				
	B69 - 10 0.0			0.0	0.0	9.73				8.9
	B69 - 15 0.0			0.0	0.0	6.36				
	B69 - 20 0.0			0.0	0.0	6.32				
	B69 - 25 - 0.0			0.0	0.0	NS				
70	B70 - PS - 0.0	37.52642889	-121.946879	0.0	0.0	NS				
	B70 - PS - 0.3			0.3	1.0	4.91				
	B70 - PS - 0.6			0.6	1.9	3.73				
	B70 - EP - 0.0			0.0	0.0	12.4				
	B70 - EP - 0.3			0.3	1.0	5.39				
	B70 - EP - 0.6			0.6	1.9	5.79				
	B70 - EP - 0.9			0.9	2.9	5.96				
	B70 - 1.5 - 0.0			0.0	0.0	**324**	2.86			
	B70 - 1.5 - 0.3			0.3	1.0	9				
	B70 - 1.5 - 0.6			0.6	1.9	6				
	B70 - 3 - 0.0			0.0	0.0	**213**				
	B70 - 3 - 0.3			0.3	1.0	**69**				
71	B71 - EP - 0.0	37.52727468	-121.9465379	0.0	0.0	38.7				
	B71 - EP - 0.3			0.3	1.0	19.1				
	B71 - EP - 0.6			0.6	1.9	2.91				
	B71 - 1.5 - 0.0			0.0	0.0	5.22				
	B71 - 1.5 - 0.3			0.3	1.0	4.7				
	B71 - 1.5 - 0.6			0.6	1.9	4.61				
	B71 - 3 - 0.0			0.0	0.0	**98**				
	B71 - 3 - 0.3			0.3	1.0	31				8.6
	B71 - 3 - 0.6			0.6	1.9	3				
	B71 - 6 - 0.0			0.0	0.0	**51**				
72	B72 - PS - 0.0	37.52804817	-121.9460174	0.0	0.0	NS				
	B72 - PS - 0.3			0.3	1.0	2.49				
	B72 - PS - 0.6			0.6	1.9	3.52				
	B72 - EP - 0.0			0.0	0.0	**116**	1.15			
	B72 - EP - 0.3			0.3	1.0	7.04				
	B72 - EP - 0.6			0.6	1.9	6.12				
	B72 - 1.5 - 0.0			0.0	0.0	**72.7**	1.82			
	B72 - 1.5 - 0.3			0.3	1.0	6.37				
	B72 - 1.5 - 0.6			0.6	1.9	4.64				
	B72 - 3 - 0.0			0.0	0.0	**65.3**	1.5			
	B72 - 3 - 0.3			0.3	1.0	6.25				
	B72 - 3 - 0.6			0.6	1.9	5.35				
	B72 - 4.5 - 0.0			0.0	0.0	33				

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Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
73	B73 - PS - 0.0	37.52875851	-121.9453007	0.0	0.0	NS				
	B73 - PS - 0.3			0.3	1.0	2.17				
	B73 - PS - 0.6			0.6	1.9	<1				
	B73 - EP - 0.0			0.0	0.0	6.53				
	B73 - EP - 0.3			0.3	1.0	4.78				
	B73 - EP - 0.6			0.6	1.9	5.94				
	B73 - 1.5 - 0.0			0.0	0.0	7.09				
	B73 - 1.5 - 0.3			0.3	1.0	6.08				8.0
	B73 - 1.5 - 0.6			0.6	1.9	4.4				
	B73 - 3 - 0.0			0.0	0.0	9.46				
	B73 - 3 - 0.3			0.3	1.0	8.21				
	B73 - 3 - 0.6			0.6	1.9	5.32				
74	B74 - EP - 0.0	37.5293549	-121.9444878	0.0	0.0	7.62				
	B74 - EP - 0.3			0.3	1.0	7.91				
	B74 - EP - 0.6			0.6	1.9	8.29				
	B74 - EP - 0.9			0.9	2.9	9.66				
	B74 - 1.5 - 0.0			0.0	0.0	15.6				
	B74 - 1.5 - 0.3			0.3	1.0	12.9				
	B74 - 1.5 - 0.6			0.6	1.9	26.4				
	B74 - 3 - 0.0			0.0	0.0	NS				
	B74 - 3 - 0.3			0.3	1.0	NS				
	B74 - 3 - 0.6			0.6	1.9	NS				
	B74 - 6 - 0.0			0.0	0.0	90.5	3.76			6.7
75	B75 - PS - 0.0	37.52980578	-121.9438801	0.0	0.0	NS				
	B75 - PS - 0.3			0.3	1.0	NS				
	B75 - PS - 0.6			0.6	1.9	NS				
	B75 - EP - 0.0			0.0	0.0	226	6.03	< 0.01		
	B75 - EP - 0.0	Duplicate		0.0	0.0	199	6.9			
	B75 - EP - 0.3			0.3	1.0	6.93				
	B75 - EP - 0.3	Duplicate		0.3	1.0	8.05				
	B75 - EP - 0.6			0.6	1.9	7.13				
	B75 - EP - 0.6	Duplicate		0.6	1.9	8.36				
	B75 - 1.5 - 0.0			0.0	0.0	108	1.93			
	B75 - 1.5 - 0.3			0.3	1.0	69.4	2.78			
	B75 - 1.5 - 0.6			0.6	1.9	5.03				
	B75 - 3 - 0.0			0.0	0.0	78.8	2.06			
	B75 - 3 - 0.3			0.3	1.0	33.7				6.7
	B75 - 3 - 0.6			0.6	1.9	6.47				
	B75 - 3 - 0.9			0.9	2.9	5.34				
	B75 - 4.5 - 0.0			0.0	0.0	139	2.27			
76	B76 - PS - 0.0	37.53032392	-121.9431354	0.0	0.0	NS				
	B76 - PS - 0.3			0.3	1.0	NS				
	B76 - PS - 0.6			0.6	1.9	NS				
	B76 - EP - 0.0			0.0	0.0	458	8.3	< 0.01		
	B76 - EP - 0.3			0.3	1.0	5.14				
	B76 - EP - 0.6			0.6	1.9	5.17				8.1
	B76 - 1.5 - 0.0			0.0	0.0	188	3.06			
	B76 - 1.5 - 0.3			0.3	1.0	64.2	2.29			
	B76 - 1.5 - 0.6			0.6	1.9	61.2	0.728			
	B76 - 1.5 - 0.9			0.9	2.9	10.9				
	B76 - 3 - 0.0			0.0	0.0	135	2.57			
	B76 - 3 - 0.3			0.3	1.0	8.2				
	B76 - 3 - 0.6			0.6	1.9	5.25				
77	B77 - EP - 0.0	37.53092163	-121.9423179	0.0	0.0	NS				
	B77 - EP - 0.3			0.3	1.0	NS				
	B77 - EP - 0.6			0.6	1.9	NS				
	B77 - 1.5 - 0.0			0.0	0.0	NS				
	B77 - 1.5 - 0.3			0.3	1.0	NS				
	B77 - 1.5 - 0.6			0.6	1.9	NS				
	B77 - 3 - 0.0			0.0	0.0	NS				
	B77 - 3 - 0.3			0.3	1.0	NS				
	B77 - 3 - 0.6			0.6	1.9	NS				
	B77 - 6 - 0.0			0.0	0.0	NS				

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Caltrans - I 680
Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
78	B78 - PS - 0.0			0.0	0.0	NS				
	B78 - PS - 0.3			0.3	1.0	4.48				
	B78 - PS - 0.6			0.6	1.9	5.22				
	B78 - PS - 0.9			0.9	2.9	6.99				
	B78 - EP - 0.0			0.0	0.0	**204**				
	B78 - EP - 0.3			0.3	1.0	7.47				
	B78 - EP - 0.6			0.6	1.9	4.34				
	B78 - 1.5 - 0.0			0.0	0.0	**156**				
	B78 - 1.5 - 0.3			0.3	1.0	17				
	B78 - 1.5 - 0.6			0.6	1.9	15.5				
	B78 - 3 - 0.0			0.0	0.0	**65.7**	0.586			
	B78 - 3 - 0.3			0.3	1.0	4.79				
	B78 - 3 - 0.6			0.6	1.9	3.37				
	B78 - 4.5 - 0.0			0.0	0.0	NS				
79	B79 - PS - 0.0	37.53145063	-121.9413024	0.0	0.0	NS				
	B79 - PS - 0.3			0.3	1.0	NS				
	B79 - PS - 0.6			0.6	1.9	NS				
	B79 - EP - 0.0			0.0	0.0	NS				
	B79 - EP - 0.3			0.3	1.0	NS				
	B79 - EP - 0.6			0.6	1.9	NS				
	B79 - 1.5 - 0.0			0.0	0.0	NS				
	B79 - 1.5 - 0.3			0.3	1.0	NS				
	B79 - 1.5 - 0.6			0.6	1.9	NS				
	B79 - 3 - 0.0			0.0	0.0	NS				
	B79 - 3 - 0.3			0.3	1.0	NS				
	B79 - 3 - 0.6			0.6	1.9	NS				
80	B80 - EP - 0.0	37.53193594	-121.9404729	0.0	0.0	NS				
	B80 - EP - 0.3			0.3	1.0	NS				
	B80 - EP - 0.6			0.6	1.9	NS				
	B80 - 1.5 - 0.0			0.0	0.0	NS				
	B80 - 1.5 - 0.3			0.3	1.0	NS				
	B80 - 1.5 - 0.6			0.6	1.9	NS				
	B80 - 3 - 0.0			0.0	0.0	NS				
	B80 - 3 - 0.3			0.3	1.0	NS				
	B80 - 3 - 0.6			0.6	1.9	NS				
	B80 - 6 - 0.0			0.0	0.0	NS				
81	B81 - PS - 0.0	37.53216392	-121.9400676	0.0	0.0	NS				
	B81 - PS - 0.3			0.3	1.0	5.71				
	B81 - PS - 0.6			0.6	1.9	15.2				
	B81 - PS - 0.9			0.9	2.9	5.36				
	B81 - EP - 0.0			0.0	0.0	NS				
	B81 - EP - 0.3			0.3	1.0	NS				
	B81 - EP - 0.6			0.6	1.9	NS				
	B81 - 1.5 - 0.0			0.0	0.0	NS				
	B81 - 1.5 - 0.3			0.3	1.0	NS				
	B81 - 1.5 - 0.6			0.6	1.9	NS				
	B81 - 3 - 0.0			0.0	0.0	NS				
	B81 - 3 - 0.3			0.3	1.0	NS				
	B81 - 3 - 0.6			0.6	1.9	NS				
	B81 - 4.5 - 0.0			0.0	0.0	NS				
82	B82 - PS - 0.0			0.0	0.0	NS				
	B82 - PS - 0.3			0.3	1.0	NS				
	B82 - PS - 0.6			0.6	1.9	NS				
	B82 - EP - 0.0			0.0	0.0	NS				
	B82 - EP - 0.3			0.3	1.0	NS				
	B82 - EP - 0.6			0.6	1.9	NS				
	B82 - 1.5 - 0.0			0.0	0.0	NS				
	B82 - 1.5 - 0.3			0.3	1.0	NS				
	B82 - 1.5 - 0.6			0.6	1.9	NS				
	B82 - 3 - 0.0			0.0	0.0	NS				
	B82 - 3 - 0.3			0.3	1.0	NS				
	B82 - 3 - 0.6			0.6	1.9	NS				

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Caltrans - I 680
Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
83	B83 - EP - 0.0	37.53211531	-121.9414526	0.0	0.0	6.09				8.2
	B83 - EP - 0.3			0.3	1.0	7.17				
	B83 - EP - 0.6			0.6	1.9	5.79				
	B83 - 1.5 - 0.0			0.0	0.0	13				
	B83 - 1.5 - 0.3			0.3	1.0	6.57				
	B83 - 1.5 - 0.6			0.6	1.9	6.42	<0.05			
	B83 - 3 - 0.0			0.0	0.0	21.8				
	B83 - 3 - 0.3			0.3	1.0	8.16				
	B83 - 3 - 0.6			0.6	1.9	9.74				
	B83 - 6 - 0.0			0.0	0.0	21.3				
84	B84 - PS - 0.0	37.53216331	-121.9403427	0.0	0.0	NS				
	B84 - PS - 0.3			0.3	1.0	1.81	<0.05			9.6
	B84 - PS - 0.6			0.6	1.9	<1				
	B84 - EP - 0.0			0.0	0.0	114				
	B84 - EP - 0.3			0.3	1.0	50.1	1.42			
	B84 - EP - 0.6			0.6	1.9	7.06				
	B84 - 1.5 - 0.0			0.0	0.0	11.1				
	B84 - 1.5 - 0.3			0.3	1.0	5.16				
	B84 - 1.5 - 0.6			0.6	1.9	12.8				
	B84 - 1.5 - 0.9			0.9	2.9	8.77				
	B84 - 3 - 0.0			0.0	0.0	97.4	0.548			
	B84 - 3 - 0.3			0.3	1.0	5.51				
	B84 - 3 - 0.6			0.6	1.9	12.4				
	B84 - 4.5 - 0.0			0.0	0.0	NS				
85	B85 - PS - 0.0	37.53261106	-121.9392794	0.0	0.0	NS				
	B85 - PS - 0.3			0.3	1.0	NS				
	B85 - PS - 0.6			0.6	1.9	NS				
	B85 - EP - 0.0			0.0	0.0	NS				
	B85 - EP - 0.3			0.3	1.0	NS				
	B85 - EP - 0.6			0.6	1.9	NS				
	B85 - 1.5 - 0.0			0.0	0.0	NS				
	B85 - 1.5 - 0.3			0.3	1.0	NS				
	B85 - 1.5 - 0.6			0.6	1.9	NS				
	B85 - 3 - 0.0			0.0	0.0	79.6	1.29			
	B85 - 3 - 0.3			0.3	1.0	41.8				
	B85 - 3 - 0.6			0.6	1.9	5.65				
86	B86 - EP - 0.0	37.53349329	-121.9374786	0.0	0.0	140	4.33			
	B86 - EP - 0.3			0.3	1.0	122	0.296			
	B86 - EP - 0.6			0.6	1.9	16.7				
	B86 - EP - 0.9			0.9	2.9	16.7				
	B86 - 1.5 - 0.0			0.0	0.0	153	1.93			
	B86 - 1.5 - 0.3			0.3	1.0	8.5				
	B86 - 1.5 - 0.6			0.6	1.9	8.75				
	B86 - 3 - 0.0			0.0	0.0	77.7	1.83			
	B86 - 3 - 0.3			0.3	1.0	18.2				
	B86 - 3 - 0.6			0.6	1.9	7.38				6.1
	B86 - 6 - 0.0			0.0	0.0	86.1	2.15			
87	B87 - PS - 0.0	37.53400659	-121.9364784	0.0	0.0	NS				
	B87 - PS - 0.3			0.3	1.0	3				
	B87 - PS - 0.6			0.6	1.9	3				
	B87 - EP - 0.0			0.0	0.0	123	1.7			
	B87 - EP - 0.3			0.3	1.0	15.6				
	B87 - EP - 0.6			0.6	1.9	10.5				
	B87 - 1.5 - 0.0			0.0	0.0	180	2.4			
	B87 - 1.5 - 0.3			0.3	1.0	106	2			
	B87 - 1.5 - 0.6			0.6	1.9	33.5				
	B87 - 3 - 0.0			0.0	0.0	80.6	1.3			
	B87 - 3 - 0.3			0.3	1.0	20.3				
	B87 - 3 - 0.6			0.6	1.9	10				
	B87 - 3 - 0.9			0.9	2.9	5.87				5.7
	B87 - 4.5 - 0.0			0.0	0.0	41				

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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
88	B88 - PS - 0.0	37.53448136	-121.9355536	0.0	0.0	NS				
	B88 - PS - 0.3			0.3	1.0	3				
	B88 - PS - 0.6			0.6	1.9	4				
	B88 - EP - 0.0			0.0	0.0	**347**	**6**			
	B88 - EP - 0.3			0.3	1.0	14.9				
	B88 - EP - 0.6			0.6	1.9	8.42				
	B88 - 1.5 - 0.0			0.0	0.0	**90.8**	1.4			
	B88 - 1.5 - 0.3			0.3	1.0	**58.8**	1			6.8
	B88 - 1.5 - 0.6			0.6	1.9	19.8				
	B88 - 3 - 0.0			0.0	0.0	**53.7**	1.3			
	B88 - 3 - 0.3			0.3	1.0	**6**				
	B88 - 3 - 0.6			0.6	1.9	8.05				
89	B89 - EP - 0.0	37.53494957	-121.9346421	0.0	0.0	**262**	4			
	B89 - EP - 0.3			0.3	1.0	**177**	**5**			
	B89 - EP - 0.6			0.6	1.9	16.6				
	B89 - EP - 0.9			0.9	2.9	6.96				
	B89 - 1.5 - 0.0			0.0	0.0	**178**	3			
	B89 - 1.5 - 0.3			0.3	1.0	**55.6**	2			
	B89 - 1.5 - 0.6			0.6	1.9	6.63				
	B89 - 3 - 0.0			0.0	0.0	**118**	3			
	B89 - 3 - 0.3			0.3	1.0	41.3				
	B89 - 3 - 0.6			0.6	1.9	9.78				
	B89 - 6 - 0.0			0.0	0.0	74.7	1.4			
90	B90 - PS - 0.0	37.53540577	-121.9337243	0.0	0.0	NS				
	B90 - PS - 0.3			0.3	1.0	11				
	B90 - PS - 0.6			0.6	1.9	3				
	B90 - PS - 0.9			0.9	2.9	4				
	B90 - EP - 0.0			0.0	0.0	**174**	4.8			
	B90 - EP - 0.3			0.3	1.0	49.9				
	B90 - EP - 0.6			0.6	1.9	**265**	2.7			
	B90 - 1.5 - 0.0			0.0	0.0	**75.8**	2			
	B90 - 1.5 - 0.3			0.3	1.0	5.61				
	B90 - 1.5 - 0.6			0.6	1.9	4.11				
	B90 - 3 - 0.0			0.0	0.0	37				
	B90 - 3 - 0.3			0.3	1.0	4.46				
	B90 - 3 - 0.6			0.9	1.9	23.1				6.6
	B90 - 4.5 - 0.0			0.0	0.0	42.3				
91	B91 - PS - 0.0	37.53591819	-121.9327774	0.0	0.0	NS				
	B91 - PS - 0.3			0.3	1.0	6				
	B91 - PS - 0.6			0.6	1.9	3				8.3
	B91 - EP - 0.0			0.0	0.0	**111**	3.3			7.9
	B91 - EP - 0.3			0.3	1.0	40.8				
	B91 - EP - 0.6			0.6	1.9	7.6				
	B91 - 1.5 - 0.0			0.0	0.0	22.9				
	B91 - 1.5 - 0.3			0.3	1.0	40.4				
	B91 - 1.5 - 0.6			0.6	1.9	9.85				
	B91 - 3 - 0.0			0.0	0.0	**94.3**	1			
	B91 - 3 - 0.3			0.3	1.0	**50.5**	0.95			
	B91 - 3 - 0.6			0.6	1.9	27.4				
92	B92 - EP - 0.0	37.53638577	-121.9318666	0.0	0.0	15.7				
	B92 - EP - 0.3			0.3	1.0	5.92				7.2
	B92 - EP - 0.6			0.6	1.9	7.04				
	B92 - 1.5 - 0.0			0.0	0.0	**93**	1.7			
	B92 - 1.5 - 0.3			0.3	1.0	23				
	B92 - 1.5 - 0.6			0.6	1.9	43				
	B92 - 1.5 - 0.9			0.9	2.9	14				
	B92 - 3 - 0.0			0.0	0.0	**65**	0.83			
	B92 - 3 - 0.3			0.3	1.0	11				
	B92 - 3 - 0.6			0.6	1.9	7				6.1
	B92 - 6 - 0.0			0.0	0.0	**50**				

TABLE 1
LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
93	B93 - PS - 0.0	37.53685522	-121.9309594	0.0	0.0	NS				
	B93 - PS - 0.3			0.3	1.0	4.64				
	B93 - PS - 0.6			0.6	1.9	5.1				
	B93 - PS - 0.9			0.9	2.9	7.94				
	B93 - EP - 0.0			0.0	0.0	**359**	**12.8**	<0.01		
	B93 - EP - 0.3			0.3	1.0	7.08				
	B93 - EP - 0.6			0.6	1.9	5.98				
	B93 - 1.5 - 0.0			0.0	0.0	**103**	4.3			
	B93 - 1.5 - 0.3			0.3	1.0	**62**	**5**			
	B93 - 1.5 - 0.6			0.6	1.9	24				
	B93 - 3 - 0.0			0.0	0.0	**71**	4.2			
	B93 - 3 - 0.3			0.3	1.0	20				
	B93 - 3 - 0.6			0.6	1.9	19				
	B93 - 4.5 - 0.0			0.0	0.0	**341**	3.2			
94	B94 - PS - 0.0	37.53725944	-121.9301637	0.0	0.0	NS				
	B94 - PS - 0.3			0.3	1.0	4.73				9.4
	B94 - PS - 0.6			0.6	1.9	5.54				
	B94 - EP - 0.0			0.0	0.0	**61.5**				
	B94 - EP - 0.3			0.3	1.0	4.7				
	B94 - EP - 0.6			0.6	1.9	5.18				
	B94 - EP - 0.9			0.9	2.9	4.8				
	B94 - 1.5 - 0.0			0.0	0.0	**152**	3.2			
	B94 - 1.5 - 0.3			0.3	1.0	5				
	B94 - 1.5 - 0.6			0.6	1.9	45				
	B94 - 3 - 0.0			0.0	0.0	44				
	B94 - 3 - 0.3			0.3	1.0	6				7.6
	B94 - 3 - 0.6			0.6	1.9	5				
95	B95 - EP - 0.0	35.53774454	-121.92925400	0.0	0.0	***1,090***			0.723	
	B95 - EP - 0.3			0.3	1.0	17.2				
	B95 - EP - 0.6			0.6	1.9	8.33				
	B95 - 1.5 - 0.0			0.0	0.0	**352**	**11.7**			
	B95 - 1.5 - 0.3			0.3	1.0	**90**	4.7			
	B95 - 1.5 - 0.6			0.6	1.9	**50**				
	B95 - 3 - 0.0			0.0	0.0	**156**	**6**			
	B95 - 3 - 0.3			0.3	1.0	21				
	B95 - 3 - 0.6			0.6	1.9	17				
	B95 - 6 - 0.0			0.0	0.0	**96**	4			
96	B96 - PS - 0.0	37.53819716	-121.9283555	0.0	0.0	NS				
	B96 - PS - 0.3			0.3	1.0	3.73				
	B96 - PS - 0.6			0.6	1.9	5.2				
	B96 - EP - 0.0			0.0	0.0	**165**	4.98	0.853		
	B96 - EP - 0.3			0.3	1.0	5.44				
	B96 - EP - 0.6			0.6	1.9	4.49				
	B96 - 1.5 - 0.0			0.0	0.0	**758**	**16.5**			6.8
	B96 - 1.5 - 0.3			0.3	1.0	13				
	B96 - 1.5 - 0.6			0.6	1.9	13				
	B96 - 3 - 0.0			0.0	0.0	**127**	4.07			
	B96 - 3 - 0.3			0.3	1.0	22				
	B96 - 3 - 0.6			0.6	1.9	20				
	B96 - 4.5 - 0.0			0.0	0.0	**93**	2.24			
	B96 - 4.5 - 0.3			0.3	1.0	**73**	1.44			
	B96 - 4.5 - 0.6			0.6	1.9	24				
	B96 - 4.5 - 0.9			0.9	2.9	42				
97	B97 - PS - 0.0	37.5386864	-121.9274384	0.0	0.0	NS				
	B97 - PS - 0.3			0.3	1.0	NS				
	B97 - PS - 0.6			0.6	1.9	NS				
	B97 - EP - 0.0			0.0	0.0	***2,110***			1.26	
	B97 - EP - 0.3			0.3	1.0	5.5				
	B97 - EP - 0.6			0.6	1.9	5.5				8.6
	B97 - 1.5 - 0.0			0.0	0.0	**182**	2.56			
	B97 - 1.5 - 0.3			0.3	1.0	**155**				
	B97 - 1.5 - 0.6			0.6	1.9	34.6				
	B97 - 3 - 0.0			0.0	0.0	**260**				
	B97 - 3 - 0.3			0.3	1.0	27				
	B97 - 3 - 0.6			0.6	1.9	28				

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Caltrans - I 680
Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
98	B98 - EP - 0.0	37.53924281	-121.9265831	0.0	0.0	5.64				
	B98 - EP - 0.3			0.3	1.0	6.92				
	B98 - EP - 0.6			0.6	1.9	4.23				
	B98 - EP - 0.9			0.9	2.9	5.21				
	B98 - 1.5 - 0.0			0.0	0.0	**213**	7.1	1.96		
	B98 - 1.5 - 0.3			0.3	1.0	**132**	5.57	1.5		
	B98 - 1.5 - 0.6			0.6	1.9	**132**	2.42			
	B98 - 3 - 0.0			0.0	0.0	**111**	2.78			
	B98 - 3 - 0.3			0.3	1.0	10				
	B98 - 3 - 0.6			0.6	1.9	27				
	B98 - 3 - 0.9			0.9	2.9	24				8.4
	B98 - 6 - 0.0			0.0	0.0	NS				
99	B99 - PS - 0.0	37.53911118	-121.926769	0.0	0.0	NS				
	B99 - PS - 0.3			0.3	1.0	NS				
	B99 - PS - 0.6			0.6	1.9	NS				
	B99 - EP - 0.0			0.0	0.0	**369**	2.81			
	B99 - EP - 0.3			0.3	1.0	7.44	<0.05			
	B99 - EP - 0.6			0.6	1.9	31.6				
	B99 - 1.5 - 0.0			0.0	0.0	30.4	<0.05			
	B99 - 1.5 - 0.3			0.3	1.0	6.64				
	B99 - 1.5 - 0.6			0.6	1.9	5.4				
	B99 - 3 - 0.0			0.0	0.0	**103**	1.75			
	B99 - 3 - 0.3			0.3	1.0	31				
	B99 - 3 - 0.6			0.6	1.9	47				
	B99 - 4.5 - 0.0			0.0	0.0	**53**				
100	B100 - PS - 0.0	37.5399912	-121.9257936	0.0	0.0	NS				
	B100 - PS - 0.3			0.3	1.0	8.23				
	B100 - PS - 0.6			0.6	1.9	3.88				
	B100 - EP - 0.0			0.0	0.0	**73**				
	B100 - EP - 0.3			0.3	1.0	12				
	B100 - EP - 0.6			0.6	1.9	14				
	B100 - 1.5 - 0.0			0.0	0.0	20.8				
	B100 - 1.5 - 0.3			0.3	1.0	11.6				
	B100 - 1.5 - 0.6			0.6	1.9	5.67				
	B100 - 1.5 - 0.9			0.9	2.9	5.11				8.4
	B100 - 3 - 0.0			0.0	0.0	**87.8**	2.2			
	B100 - 3 - 0.3			0.3	1.0	42.3				
	B100 - 3 - 0.6			0.6	1.9	11.2	<0.05			7.4
101	B101 - EP - 0.0	37.53980133	-121.9257569	0.0	0.0	4.92				
	B101 - EP - 0.3			0.3	1.0	5.92				
	B101 - EP - 0.6			0.6	1.9	5.62				
	B101 - EP - 0.9			0.9	2.9	5.66				8.7
	B101 - 1.5 - 0.0			0.0	0.0	**157**				
	B101 - 1.5 - 0.3			0.3	1.0	17.8				
	B101 - 1.5 - 0.6			0.6	1.9	**60.8**				8.4
	B101 - 3 - 0.0			0.0	0.0	NS				
	B101 - 3 - 0.3			0.3	1.0	NS				
	B101 - 3 - 0.6			0.6	1.9	NS				
	B101 - 6 - 0.0			0.0	0.0	NS				
102	B102 - PS - 0.0	37.54045562	-121.9250194	0.0	0.0	NS				
	B102 - PS - 0.3			0.3	1.0	NS				
	B102 - PS - 0.6			0.6	1.9	NS				
	B102 - EP - 0.0			0.0	0.0	38.2	0.842			
	B102 - EP - 0.3			0.3	1.0	**127**	5.34	0.939		
	B102 - EP - 0.6			0.6	1.9	**111**	3.25			
	B102 - 1.5 - 0.0			0.0	0.0	**225**	7.4	1.55		
	B102 - 1.5 - 0.3			0.3	1.0	**80.2**				
	B102 - 1.5 - 0.6			0.6	1.9	**342**				
	B102 - 3 - 0.0			0.0	0.0	**108**				
	B102 - 3 - 0.3			0.3	1.0	**175**	4.34	0.914		
	B102 - 3 - 0.6			0.6	1.9	**142**	4.12			
	B102 - 4.5 - 0.0			0.0	0.0	**151**	2.84			

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Caltrans - I 680
Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
103	B103 - PS - 0.0	37.54113405	-121.9242305	0.0	0.0	NS				
	B103 - PS - 0.3			0.3	1.0	NS				
	B103 - PS - 0.6			0.6	1.9	NS				
	B103 - EP - 0.0			0.0	0.0	29	3.11			
	B103 - EP - 0.0	Duplicate		0.0	0.0	**113**				
	B103 - EP - 0.3			0.3	1.0	**57.9**				
	B103 - EP - 0.6			0.6	1.9	**51.8**				
	B103 - 1.5 - 0.0			0.0	0.0	7.89				
	B103 - 1.5 - 0.3			0.3	1.0	**67.7**	2.27			
	B103 - 1.5 - 0.6			0.6	1.9	**56.1**				
	B103 - 3 - 0.0			0.0	0.0	**253**	4.35	0.93		
	B103 - 3 - 0.3			0.3	1.0	**221**				8.7
	B103 - 3 - 0.6			0.6	1.9	28.9				
104	B104 - EP - 0.0	37.54164806	-121.9236422	0.0	0.0	17.5				
	B104 - EP - 0.3			0.3	1.0	5.57				
	B104 - EP - 0.6			0.6	1.9	4.78				
	B104 - 1.5 - 0.0			0.0	0.0	**207**	**9.02**	1.53		
	B104 - 1.5 - 0.3			0.3	1.0	**58**	1.78			
	B104 - 1.5 - 0.6			0.6	1.9	30.7				
	B104 - 3 - 0.0			0.0	0.0	**118**				
	B104 - 3 - 0.3			0.3	1.0	5.26				
	B104 - 3 - 0.6			0.6	1.9	18.1	0.319			
	B104 - 6 - 0.0			0.0	0.0	**102**	2.88			
105	B105 - PS - 0.0	37.54056455	-121.9253107	0.0	0.0	NS				
	B105 - PS - 0.3			0.3	1.0	6.24				
	B105 - PS - 0.6			0.6	1.9	5.52				
	B105 - PS - 0.9			0.9	2.9	6.31				
	B105 - EP - 0.0			0.0	0.0	**56.5**	<0.05			
	B105 - EP - 0.3			0.3	1.0	3.75				
	B105 - EP - 0.6			0.6	1.9	NS				
	B105 - EP - 0.9			0.9	2.9	6.03				
	B105 - 1.5 - 0.0			0.0	0.0	**77.3**	1.36			
	B105 - 1.5 - 0.3			0.3	1.0	7.92				6.3
	B105 - 1.5 - 0.6			0.6	1.9	41.9				
	B105 - 3 - 0.0			0.0	0.0	**81.5**	1.69			
	B105 - 3 - 0.3			0.3	1.0	10.1				
	B105 - 3 - 0.6			0.6	1.9	4.57				
	B105 - 4.5 - 0.0			0.0	0.0	**93.6**	1.43			
106	B106 - PS - 0.0	37.54180447	-121.9238987	0.0	0.0	NS				
	B106 - PS - 0.3			0.3	1.0	7.09				
	B106 - PS - 0.6			0.6	1.9	4.54				8.7
	B106 - EP - 0.0			0.0	0.0	**97.5**				
	B106 - EP - 0.3			0.3	1.0	6.72				
	B106 - EP - 0.6			0.6	1.9	5.8				
	B106 - 1.5 - 0.0			0.0	0.0	**126**	2.98			
	B106 - 1.5 - 0.3			0.3	1.0	11.9				
	B106 - 1.5 - 0.6			0.6	1.9	6.08				
	B106 - 3 - 0.0			0.0	0.0	**92.1**				
	B106 - 3 - 0.3			0.3	1.0	12.3				
	B106 - 3 - 0.6			0.6	1.9	NS				
107	B107 - EP - 0.0	37.54248961	-121.9230343	0.0	0.0	35.1				
	B107 - EP - 0.3			0.3	1.0	5.73				
	B107 - EP - 0.6			0.6	1.9	8.08				
	B107 - 1.5 - 0.0			0.0	0.0	**82.6**				
	B107 - 1.5 - 0.3			0.3	1.0	6.24				
	B107 - 1.5 - 0.6			0.6	1.9	5.75				
	B107 - 3 - 0.0			0.0	0.0	70.5	1.71			
	B107 - 3 - 0.3			0.3	1.0	5.93				
	B107 - 3 - 0.6			0.6	1.9	5.08				
	B107 - 6 - 0.0			0.0	0.0	44.6				

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Caltrans - I 680
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
108	B108 - PS - 0.0	37.54225781	-121.9229515	0.0	0.0	NS				
	B108 - PS - 0.3			0.3	1.0	NS				
	B108 - PS - 0.6			0.6	1.9	NS				
	B108 - EP - 0.0			0.0	0.0	**130**	**5.7**	1.15		
	B108 - EP - 0.3			0.3	1.0	**62.1**	2.02			
	B108 - EP - 0.6			0.6	1.9	**167**	3.91			
	B108 - 1.5 - 0.0			0.0	0.0	**68.1**	1.66			
	B108 - 1.5 - 0.3			0.3	1.0	39.5				
	B108 - 1.5 - 0.6			0.6	1.9	18				
	B108 - 1.5 - 0.9			0.9	2.9	**113**	0.818			
	B108 - 3 - 0.0			0.0	0.0	**137**	**5.36**	1.08		
	B108 - 3 - 0.3			0.3	1.0	**109**	2.69			
	B108 - 3 - 0.6			0.6	1.9	3.4				
	B108 - 4.5 - 0.0			0.0	0.0	NS				
109	B109 - PS - 0.0	37.54297471	-121.9221409	0.0	0.0	NS				
	B109 - PS - 0.3			0.3	1.0	NS				
	B109 - PS - 0.6			0.6	1.9	NS				
	B109 - EP - 0.0			0.0	0.0	**204**	**7.28**	1.9		
	B109 - EP - 0.3			0.3	1.0	45.5				9.0
	B109 - EP - 0.6			0.6	1.9	60.6				
	B109 - 1.5 - 0.0			0.0	0.0	**389**	**13.1**	1.8		
	B109 - 1.5 - 0.3			0.3	1.0	25.6				
	B109 - 1.5 - 0.6			0.6	1.9	11.2				
	B109 - 3 - 0.0			0.0	0.0	**161**	**5.42**	0.831		8.0
	B109 - 3 - 0.3			0.3	1.0	13.9				
	B109 - 3 - 0.6			0.6	1.9	25.3				
110	B110 - EP - 0.0	37.54408225	-121.9211071	0.0	0.0	5.33				
	B110 - EP - 0.3			0.3	1.0	6.98				8.6
	B110 - EP - 0.6			0.6	1.9	6.16				
	B110 - EP - 0.9			0.9	2.9	5.83				
	B110 - 1.5 - 0.0			0.0	0.0	**117**				
	B110 - 1.5 - 0.3			0.3	1.0	7.28				
	B110 - 1.5 - 0.6			0.6	1.9	NS				
	B110 - 3 - 0.0			0.0	0.0	166	**6.59**			
	B110 - 3 - 0.3			0.3	1.0	15.1				
	B110 - 3 - 0.6			0.6	1.9	4.99				
	B110 - 6 - 0.0			0.0	0.0	**169**	**5.68**	1.09		
111	B111 - PS - 0.0	37.5449428	-121.9205141	0.0	0.0	NS				
	B111 - PS - 0.3			0.3	1.0	NS				
	B111 - PS - 0.6			0.6	1.9	NS				
	B111 - EP - 0.0			0.0	0.0	14.5				
	B111 - EP - 0.3			0.3	1.0	10.1				
	B111 - EP - 0.6			0.6	1.9	7.98				
	B111 - 1.5 - 0.0			0.0	0.0	18				
	B111 - 1.5 - 0.3			0.3	1.0	9.44				
	B111 - 1.5 - 0.6			0.6	1.9	8.71				
	B111 - 3 - 0.0			0.0	0.0	29.8				
	B111 - 3 - 0.3			0.3	1.0	11.2				8.7
	B111 - 3 - 0.6			0.6	1.9	4.53				
	B111 - 4.5 - 0.0			0.0	0.0	**213**				
112	B112 - PS - 0.0	37.5431166	-121.9222376	0.0	0.0	NS				
	B112 - PS - 0.3			0.3	1.0	8.84				9.0
	B112 - PS - 0.6			0.6	1.9	6.66				
	B112 - EP - 0.0			0.0	0.0	**147**	**5.62**	<0.01		
	B112 - EP - 0.3			0.3	1.0	**56.1**				
	B112 - EP - 0.6			0.6	1.9	24.1				
	B112 - 1.5 - 0.0			0.0	0.0	7.3				
	B112 - 1.5 - 0.3			0.3	1.0	5.63				
	B112 - 1.5 - 0.6			0.6	1.9	4.9				
	B112 - 3 - 0.0			0.0	0.0	7.94				
	B112 - 3 - 0.3			0.3	1.0	6.27				
	B112 - 3 - 0.6			0.6	1.9	6.96				

TABLE 1
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Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
113	B113 - EP - 0.0	37.54378614	-121.9213961	0.0	0.0	11.2				
	B113 - EP - 0.3			0.3	1.0	17.4				
	B113 - EP - 0.6			0.6	1.9	9.35				
	B113 - EP - 0.9			0.9	2.9	4.06				
	B113 - 1.5 - 0.0			0.0	0.0	**211**	**13.9**	1.52		
	B113 - 1.5 - 0.3			0.3	1.0	37.2				
	B113 - 1.5 - 0.6			0.6	1.9	**175**	**6.67**	<0.01		8.0
	B113 - 3 - 0.0			0.0	0.0	**89.4**	2.33			
	B113 - 3 - 0.3			0.3	1.0	32.9				
	B113 - 3 - 0.6			0.6	1.9	**205**	4.35			
	B113 - 6 - 0.0			0.0	0.0	NS				
114	B114 - PS - 0.0	37.54577802	-121.9201793	0.0	0.0	NS				
	B114 - PS - 0.3			0.3	1.0	NS				
	B114 - PS - 0.6			0.6	1.9	NS				
	B114 - EP - 0.0			0.0	0.0	9.39				
	B114 - EP - 0.0	Duplicate		0.0	0.0	4.89				
	B114 - EP - 0.3			0.3	1.0	4.91				
	B114 - EP - 0.3	Duplicate		0.3	1.0	26.9				
	B114 - EP - 0.6			0.6	1.9	5.77				11.9
	B114 - 1.5 - 0.0			0.0	0.0	**85.8**	1.81			
	B114 - 1.5 - 0.3			0.3	1.0	10.2				
	B114 - 1.5 - 0.6			0.6	1.9	NS				
	B114 - 3 - 0.0			0.0	0.0	**131**				
	B114 - 3 - 0.3			0.3	1.0	14				
	B114 - 3 - 0.6			0.6	1.0	4.41	0.095			
	B114 - 3 - 0.9			0.9	2.9	6.86				
	B114 - 4.5 - 0.0			0.0	0.0	**95.5**	1.55			
115	B115 - PS - 0.0	37.5466728	-121.9200535	0.0	0.0	NS				
	B115 - PS - 0.3			0.3	1.0	NS				
	B115 - PS - 0.6			0.6	1.9	NS				
	B115 - EP - 0.0			0.0	0.0	**56.1**	1.98			
	B115 - EP - 0.3			0.3	1.0	8.61				
	B115 - EP - 0.6			0.6	1.9	45				
	B115 - 1.5 - 0.0			0.0	0.0	**122**	**8.28**	<0.01		
	B115 - 1.5 - 0.3			0.3	1.0	4.71				
	B115 - 1.5 - 0.6			0.6	1.9	5.03				8.8
	B115 - 3 - 0.0			0.0	0.0	11.5				
	B115 - 3 - 0.3			0.3	1.0	5.3				
	B115 - 3 - 0.6			0.6	1.9	4.71				
116	B116 - EP - 0.0	37.54754198	-121.9200004	0.0	0.0	**647**	**6.15**	0.761		
	B116 - EP - 0.3			0.3	1.0	8.41				
	B116 - EP - 0.6			0.6	1.9	8.88				
	B116 - 1.5 - 0.0			0.0	0.0	13.4				
	B116 - 1.5 - 0.3			0.3	1.0	4.06				
	B116 - 1.5 - 0.6			0.6	1.9	5.56	<0.05			
	B116 - 1.5 - 0.9			0.9	2.9	5.44				8.4
	B116 - 3 - 0.0			0.0	0.0	16.8				
	B116 - 3 - 0.3			0.3	1.0	4.79				
	B116 - 3 - 0.6			0.6	1.9	5.73				
	B116 - 6 - 0.0			0.0	0.0	**162**				
	B116 - 6 - 0.3			0.3	1.0	12.5				
	B116 - 6 - 0.6			0.6	1.9	4.41				7.7
117	B117 - PS - 0.0	37.54843314	-121.9198769	0.0	0.0	NS				
	B117 - PS - 0.3			0.3	1.0	39.8				
	B117 - PS - 0.6			0.6	1.9	23.1				9.0
	B117 - PS - 0.9			0.9	2.9	7.18				
	B117 - EP - 0.0			0.0	0.0	**110**	1.08			9.9
	B117 - EP - 0.3			0.3	1.0	17				
	B117 - EP - 0.6			0.6	1.9	6.08				
	B117 - 1.5 - 0.0			0.0	0.0	**198**				
	B117 - 1.5 - 0.3			0.3	1.0	19.2				
	B117 - 1.5 - 0.6			0.6	1.9	**120**	2.52			
	B117 - 3 - 0.0			0.0	0.0	**193**				
	B117 - 3 - 0.3			0.3	1.0	**205**	**6.09**	1.31		
	B117 - 3 - 0.6			0.6	1.9	**62.2**	1.51			
	B117 - 4.5 - 0.0			0.0	0.0	**104**				

TABLE 1
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
118	B118 - PS - 0.0	37.54933952	-121.9195598	0.0	0.0	NS				
	B118 - PS - 0.3			0.3	1.0	NS				
	B118 - PS - 0.6			0.6	1.9	NS				
	B118 - EP - 0.0			0.0	0.0	**59.3**				
	B118 - EP - 0.3			0.3	1.0	43.8				
	B118 - EP - 0.6			0.6	1.9	5.63				
	B118 - 1.5 - 0.0			0.0	0.0	**141**				7.6
	B118 - 1.5 - 0.3			0.3	1.0	**279**	7.48	1.67		
	B118 - 1.5 - 0.6			0.6	1.9	24.1				
	B118 - 3 - 0.0			0.0	0.0	**95.2**	1.29			
	B118 - 3 - 0.3			0.3	1.0	**89.1**				
	B118 - 3 - 0.6			0.6	1.9	**378**	1.41	<0.01		
119	B119 - EP - 0.0	37.55015722	-121.91911340	0.0	0.0	***1,110***			2.1	
	B119 - EP - 0.3			0.3	1.0	***1,440***			1.71	
	B119 - EP - 0.6			0.6	1.9	9.7				
	B119 - 1.5 - 0.0			0.0	0.0	**161**				
	B119 - 1.5 - 0.3			0.3	1.0	**146**	3.27	0.973		
	B119 - 1.5 - 0.6			0.6	1.9	**108**	2.43			8.4
	B119 - 3 - 0.0			0.0	0.0	NS				
	B119 - 3 - 0.3			0.3	1.0	NS				
	B119 - 3 - 0.6			0.6	1.9	NS				
	B119 - 6 - 0.0			0.0	0.0	NS				
120	B120 - PS - 0.0	37.55102297	-121.9186756	0.0	0.0	NS				
	B120 - PS - 0.3			0.3	1.0	14.9				
	B120 - PS - 0.6			0.6	1.9	9.3				
	B120 - EP - 0.0			0.0	0.0	**116**	2.36			
	B120 - EP - 0.3			0.3	1.0	9.3				
	B120 - EP - 0.6			0.6	1.9	11.8				
	B120 - 1.5 - 0.0			0.0	0.0	**228**	3.51	1.21		
	B120 - 1.5 - 0.3			0.3	1.0	**123**	1.87			
	B120 - 1.5 - 0.6			0.6	1.9	**137**	1.87			
	B120 - 3 - 0.0			0.0	0.0	NS				
	B120 - 3 - 0.3			0.3	1.0	NS				
	B120 - 3 - 0.6			0.6	1.9	NS				
	B120 - 4.5 - 0.0			0.0	0.0	NS				
121	B121 - PS - 0.0	37.55187215	-121.9182502	0.0	0.0	NS				
	B121 - PS - 0.3			0.3	1.0	**114**	0.88			
	B121 - PS - 0.6			0.6	1.9	6.49				
	B121 - PS - 0.9			0.9	2.9	6.18				
	B121 - EP - 0.0			0.0	0.0	23.7				
	B121 - EP - 0.3			0.3	1.0	27.9				
	B121 - EP - 0.6			0.6	1.9	11.5				
	B121 - 1.5 - 0.0			0.0	0.0	9.89				
	B121 - 1.5 - 0.3			0.3	1.0	9.29				
	B121 - 1.5 - 0.6			0.6	1.9	9.31				
	B121 - 3 - 0.0			0.0	0.0	NS				
	B121 - 3 - 0.3			0.3	1.0	NS				
	B121 - 3 - 0.6			0.6	1.9	NS				
122	B122 - EP - 0.0	37.55266189	-121.9178411	0.0	0.0	**64.2**	0.91	<0.01		
	B122 - EP - 0.3			0.3	1.0	**14.1**				
	B122 - EP - 0.6			0.6	1.9	5.79				
	B122 - EP - 0.9			0.9	2.9	7.34				
	B122 - 1.5 - 0.0			0.0	0.0	**41.1**				
	B122 - 1.5 - 0.3			0.3	1.0	**54.3**	0.691			
	B122 - 1.5 - 0.6			0.6	1.9	14.1				
	B122 - 3 - 0.0			0.0	0.0	NS				
	B122 - 3 - 0.3			0.3	1.0	NS				
	B122 - 3 - 0.6			0.6	1.9	NS				
	B122 - 6 - 0.0			0.0	0.0	NS				

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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
123	B123 - PS - 0.0	37.55350422	-121.9173218	0.0	0.0	NS				
	B123 - PS - 0.3			0.3	1.0	NS				
	B123 - PS - 0.6			0.6	1.9	NS				
	B123 - EP - 0.0			0.0	0.0	23.9				
	B123 - EP - 0.3			0.3	1.0	7.82				
	B123 - EP - 0.6			0.6	1.9	5.67				
	B123 - 1.5 - 0.0			0.0	0.0	36.2				
	B123 - 1.5 - 0.3			0.3	1.0	7.96				
	B123 - 1.5 - 0.6			0.6	1.9	7.8				
	B123 - 3 - 0.0			0.0	0.0	NS				
	B123 - 3 - 0.3			0.3	1.0	NS				
	B123 - 3 - 0.6			0.6	1.9	NS				
	B123 - 4.5 - 0.0			0.0	0.0	NS				
124	B124 - PS - 0.0	37.55251661	-121.9179087	0.0	0.0	NS				
	B124 - PS - 0.3			0.3	1.0	NS				
	B124 - PS - 0.6			0.6	1.9	NS				
	B124 - EP - 0.0			0.0	0.0	**83.4**	1.57			
	B124 - EP - 0.3			0.3	1.0	**89.5**				
	B124 - EP - 0.6			0.6	1.9	17.4				
	B124 - 1.5 - 0.0			0.0	0.0	13.9				
	B124 - 1.5 - 0.3			0.3	1.0	11.7				
	B124 - 1.5 - 0.6			0.6	1.9	11.8				
	B124 - 1.5 - 0.9			0.9	2.9	15.2				
	B124 - 3 - 0.0			0.0	0.0	NS				
	B124 - 3 - 0.3			0.3	1.0	NS				
	B124 - 3 - 0.6			0.6	1.9	NS				
125	B125 - EP - 0.0	37.55330948	-121.9175353	0.0	0.0	**181**				7.5
	B125 - EP - 0.3			0.3	1.0	8.07				
	B125 - EP - 0.6			0.6	1.9	8.76				
	B125 - EP - 0.9			0.9	2.9	8.01				
	B125 - 1.5 - 0.0			0.0	0.0	**71**	1.24			
	B125 - 1.5 - 0.3			0.3	1.0	8.74				
	B125 - 1.5 - 0.6			0.6	1.9	7.61				
	B125 - 3 - 0.0			0.0	0.0	NS				
	B125 - 3 - 0.3			0.3	1.0	NS				
	B125 - 3 - 0.6			0.6	1.9	NS				
	B125 - 6 - 0.0			0.0	0.0	NS				
126	B126 - PS - 0.0	37.55417253	-121.9169749	0.0	0.0	NS				
	B126 - PS - 0.3			0.3	1.0	NS				
	B126 - PS - 0.6			0.6	1.9	NS				
	B126 - EP - 0.0			0.0	0.0	33				
	B126 - EP - 0.3			0.3	1.0	8.54				6.9
	B126 - EP - 0.6			0.6	1.9	6.79				
	B126 - 1.5 - 0.0			0.0	0.0	43.9				
	B126 - 1.5 - 0.3			0.3	1.0	10.3				
	B126 - 1.5 - 0.6			0.6	1.9	6.59				
	B126 - 3 - 0.0			0.0	0.0	30.5				
	B126 - 3 - 0.3			0.3	1.0	8				
	B126 - 3 - 0.6			0.6	1.9	7.19				
	B126 - 4.5 - 0.0			0.0	0.0	NS				
127	B127 - PS - 0.0	37.55446459	-121.916787	0.0	0.0	NS				
	B127 - PS - 0.3			0.3	1.0	NS				
	B127 - PS - 0.6			0.6	1.9	NS				
	B127 - EP - 0.0			0.0	0.0	13.2				
	B127 - EP - 0.3			0.3	1.0	7.16				
	B127 - EP - 0.6			0.6	1.9	8.85				
	B127 - 1.5 - 0.0			0.0	0.0	15.9				
	B127 - 1.5 - 0.3			0.3	1.0	7.95				
	B127 - 1.5 - 0.6			0.6	1.9	8.85				
	B127 - 3 - 0.0			0.0	0.0	NS				
	B127 - 3 - 0.3			0.3	1.0	NS				
	B127 - 3 - 0.6			0.6	1.9	NS				

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Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
128	B128 - EP - 0.0	37.55580238	-121.9158451	0.0	0.0	**581**	**11.6**	4.7		
	B128 - EP - 0.3			0.3	1.0	**552**	**24.9**	13.8		8.3
	B128 - EP - 0.6			0.6	1.9	9.51				
	B128 - 1.5 - 0.0			0.0	0.0	**183**	4.28	1.67		
	B128 - 1.5 - 0.3			0.3	1.0	**126**	4.74	0.815		
	B128 - 1.5 - 0.6			0.6	1.9	**92.8**	2.44			
	B128 - 3 - 0.0			0.0	0.0	**142**	3.63	1.86		
	B128 - 3 - 0.3			0.3	1.0	174	2.69			
	B128 - 3 - 0.6			0.6	1.9	25.4				
	B128 - 3 - 0.9			0.9	2.9	44.6				
	B128 - 6 - 0.0			0.0	0.0	**76**				
129	B129 - PS - 0.0	37.55450276	-121.9178215	0.0	0.0	NS				
	B129 - PS - 0.3			0.3	1.0	10.3				
	B129 - PS - 0.6			0.6	1.9	8.62				5.5
	B129 - PS - 0.9			0.9	2.9	7.28				
	B129 - EP - 0.0			0.0	0.0	6.41				
	B129 - EP - 0.3			0.3	1.0	6.4				
	B129 - EP - 0.6			0.6	1.9	6.82				
	B129 - 1.5 - 0.0			0.0	0.0	6.64				
	B129 - 1.5 - 0.3			0.3	1.0	6.99				
	B129 - 1.5 - 0.6			0.6	1.9	7.79				
	B129 - 3 - 0.0			0.0	0.0	7.78				
	B129 - 3 - 0.3			0.3	1.0	6.73				
	B129 - 3 - 0.6			0.6	1.9	6.72				
	B129 - 4.5 - 0.0			0.0	0.0	23.7				
	B129 - 4.5 - 0.3			0.3	1.0	6.36				
	B129 - 4.5 - 0.6			0.6	1.9	5.9				
	B129 - 4.5 - 0.9			0.9	2.9	6.68				7.2
130	B130 - PS - 0.0	37.55428295	-121.9171627	0.0	0.0	NS				
	B130 - PS - 0.3			0.3	1.0	6.33				
	B130 - PS - 0.6			0.6	1.9	12.4				
	B130 - EP - 0.0			0.0	0.0	24	<0.05			
	B130 - EP - 0.3			0.3	1.0	6.92				
	B130 - EP - 0.6			0.6	1.9	8.27				
	B130 - EP - 0.9			0.9	2.9	8.35				
	B130 - 1.5 - 0.0			0.0	0.0	9.52				7.5
	B130 - 1.5 - 0.3			0.3	1.0	8.05				
	B130 - 1.5 - 0.6			0.6	1.9	8.1				
	B130 - 3 - 0.0			0.0	0.0	31.8				
	B130 - 3 - 0.3			0.3	1.0	11.2				
	B130 - 3 - 0.6			0.6	1.9	9.71				
131	B131 - EP - 0.0	37.5548039	-121.9166444	0.0	0.0	42.1				
	B131 - EP - 0.3			0.3	1.0	18.4				
	B131 - EP - 0.6			0.6	1.9	13				
	B131 - 1.5 - 0.0			0.0	0.0	**63.1**	1.29			
	B131 - 1.5 - 0.3			0.3	1.0	11.8				
	B131 - 1.5 - 0.6			0.6	1.9	10.7				
	B131 - 3 - 0.0			0.0	0.0	**53.4**	0.603			
	B131 - 3 - 0.3			0.3	1.0	7.65				
	B131 - 3 - 0.6			0.6	1.9	10.9				
	B131 - 6 - 0.0			0.0	0.0	**68.1**				
132	B132 - PS - 0.0	37.55653492	-121.9151949	0.0	0.0	NS				
	B132 - PS - 0.3			0.3	1.0	NS				
	B132 - PS - 0.6			0.6	1.9	NS				
	B132 - EP - 0.0			0.0	0.0	14.9				
	B132 - EP - 0.3			0.3	1.0	24.1				
	B132 - EP - 0.6			0.6	1.9	**50.2**				
	B132 - 1.5 - 0.0			0.0	0.0	**211**				
	B132 - 1.5 - 0.3			0.3	1.0	**202**	4.46	1.28		
	B132 - 1.5 - 0.6			0.6	1.9	**135**				8.5
	B132 - 1.5 - 0.9			0.9	2.9	**140**				
	B132 - 3 - 0.0			0.0	0.0	**136**	2.08			
	B132 - 3 - 0.3			0.3	1.0	**69.8**	1.27			
	B132 - 3 - 0.6			0.6	1.9	**85.7**	1.37			
	B132 - 4.5 - 0.0			0.0	0.0	**62.5**	1.36			

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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
133	B133 - PS - 0.0	37.55736361	-121.9145465	0.0	0.0	NS				
	B133 - PS - 0.3			0.3	1.0	NS				
	B133 - PS - 0.6			0.6	1.9	NS				
	B133 - EP - 0.0			0.0	0.0	19.8				
	B133 - EP - 0.3			0.3	1.0	NS				
	B133 - EP - 0.6			0.6	1.9	NS				
	B133 - 1.5 - 0.0			0.0	0.0	17.7				
	B133 - 1.5 - 0.3			0.3	1.0	15.4				8.2
	B133 - 1.5 - 0.6			0.6	1.9	8.05				
	B133 - 3 - 0.0			0.0	0.0	40.7				
	B133 - 3 - 0.3			0.3	1.0	32.7				
	B133 - 3 - 0.6			0.6	1.9	23.6				
134	B134 - EP - 0.0	37.55817388	-121.9139064	0.0	0.0	12.6				
	B134 - EP - 0.3			0.3	1.0	14.9				
	B134 - EP - 0.6			0.6	1.9	28.6				
	B134 - EP - 0.9			0.9	2.9	7.12				
	B134 - 1.5 - 0.0			0.0	0.0	16.9				
	B134 - 1.5 - 0.3			0.3	1.0	17.6				
	B134 - 1.5 - 0.6			0.6	1.9	11.1				
	B134 - 3 - 0.0			0.0	0.0	11				
	B134 - 3 - 0.3			0.3	1.0	8.32				
	B134 - 3 - 0.6			0.6	1.9	8.88				
	B134 - 6 - 0.0			0.0	0.0	13.6				
135	B135 - PS - 0.0	37.5589101	-121.9131512	0.0	0.0	NS				
	B135 - PS - 0.3			0.3	1.0	4.58				
	B135 - PS - 0.6			0.6	1.9	16.7				
	B135 - EP - 0.0			0.0	0.0	26.1				
	B135 - EP - 0.3			0.3	1.0	13.2				
	B135 - EP - 0.6			0.6	1.9	22.5				7.3
	B135 - 1.5 - 0.0			0.0	0.0	114	<0.05			
	B135 - 1.5 - 0.3			0.3	1.0	26.4				
	B135 - 1.5 - 0.6			0.6	1.9	36.5				
	B135 - 3 - 0.0			0.0	0.0	72.8	<0.05			
	B135 - 3 - 0.3			0.3	1.0	46.1				
	B135 - 3 - 0.6			0.6	1.9	12.1				
	B135 - 4.5 - 0.0			0.0	0.0	24.5				
	B135 - 4.5 - 0.3			0.3	1.0	17				
	B135 - 4.5 - 0.6			0.6	1.9	11.1				
	B135 - 4.5 - 0.9			0.9	2.9	13.8				
136	B136 - PS - 0.0	37.5595221	-121.9122985	0.0	0.0	NS				
	B136 - PS - 0.3			0.3	1.0	3.33				
	B136 - PS - 0.6			0.6	1.9	7.75				
	B136 - EP - 0.0			0.0	0.0	27.1				
	B136 - EP - 0.3			0.3	1.0	27.3				
	B136 - EP - 0.6			0.6	1.9	16.8				
	B136 - 1.5 - 0.0			0.0	0.0	NS				
	B136 - 1.5 - 0.3			0.3	1.0	NS				
	B136 - 1.5 - 0.6			0.6	1.9	NS				
	B136 - 3 - 0.0			0.0	0.0	29.8				7.2
	B136 - 3 - 0.3			0.3	1.0	14.9				
	B136 - 3 - 0.6			0.6	1.9	11.5				
137	B137 - EP - 0.0	37.56003208	-121.9112854	0.0	0.0	30.4				
	B137 - EP - 0.3			0.3	1.0	1.51				
	B137 - EP - 0.6			0.6	1.9	2.16				
	B137 - EP - 0.9			0.9	2.9	7.82				
	B137 - 1.5 - 0.0			0.0	0.0	32.9				
	B137 - 1.5 - 0.0	Duplicate		0.0	0.0	19				
	B137 - 1.5 - 0.3			0.3	1.0	39.9				8.1
	B137 - 1.5 - 0.3	Duplicate		0.3	1.0	27.9				
	B137 - 1.5 - 0.6			0.6	1.9	12.3				
	B137 - 1.5 - 0.6	Duplicate		0.6	1.9	31.7				
	B137 - 3 - 0.0			0.0	0.0	33.8				
	B137 - 3 - 0.3			0.3	1.0	17.1				
	B137 - 3 - 0.6			0.6	1.9	26.6				
	B137 - 6 - 0.0			0.0	0.0	20.1				

TABLE 1
LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
138	B138 - PS - 0.0	37.56038811	-121.9102297	0.0	0.0	NS				
	B138 - PS - 0.3			0.3	1.0	10.9				
	B138 - PS - 0.6			0.6	1.9	6.31				
	B138 - PS - 0.9			0.9	2.9	6.51				
	B138 - EP - 0.0			0.0	0.0	19.5				
	B138 - EP - 0.3			0.3	1.0	18.7				8.6
	B138 - EP - 0.6			0.6	1.9	307	0.829			
	B138 - 1.5 - 0.0			0.0	0.0	214	4.02	0.889		
	B138 - 1.5 - 0.3			0.3	1.0	8.17				
	B138 - 1.5 - 0.6			0.6	1.9	20.6	<0.05			
	B138 - 3 - 0.0			0.0	0.0	13.4				
	B138 - 3 - 0.3			0.6	2.0	10				
	B138 - 3 - 0.6			0.0	0.5	41.1				
	B138 - 4.5 - 0.0			0.0	0.0	43.1				
139	B139 - PS - 0.0	37.56535218	-121.901796	0.0	0.0	NS				
	B139 - PS - 0.3			0.3	1.0	7.61				
	B139 - PS - 0.6			0.6	1.9	6.31				
	B139 - EP - 0.0			0.0	0.0	110	5.92	0.58		
	B139 - EP - 0.3			0.3	1.0	18.1				
	B139 - EP - 0.6			0.6	1.9	35.9				
	B139 - 1.5 - 0.0			0.0	0.0	150	2.07			
	B139 - 1.5 - 0.3			0.3	1.0	27.9				
	B139 - 1.5 - 0.6			0.6	1.9	25.5				
	B139 - 3 - 0.0			0.0	0.0	30.6				
	B139 - 3 - 0.3			0.3	1.0	109				
	B139 - 3 - 0.6			0.6	1.9	79.2	1.82			
140	B140 - EP - 0.0	37.56583781	-121.900935	0.0	0.0	561	10.1	0.508		
	B140 - EP - 0.3			0.3	1.0	27.9				
	B140 - EP - 0.6			0.6	1.9	20.9				
	B140 - 1.5 - 0.0			0.0	0.0	451				
	B140 - 1.5 - 0.3			0.3	1.0	66.5				8.1
	B140 - 1.5 - 0.6			0.6	1.9	212	7.86	9.3		
	B140 - 1.5 - 0.9			0.9	2.9	75.2	3.16			8.3
	B140 - 3 - 0.0			0.0	0.0	173				
	B140 - 3 - 0.3			0.3	1.0	33.8				
	B140 - 3 - 0.6			0.6	1.9	9.01				
	B140 - 6 - 0.0			0.0	0.0	46.6				
141	B141 - PS - 0.0	37.56635397	-121.8999438	0.0	0.0	NS				
	B141 - PS - 0.3			0.3	1.0	5.68				
	B141 - PS - 0.6			0.6	1.9	4.47				
	B141 - PS - 0.9			0.9	2.9	7.57				
	B141 - EP - 0.0			0.0	0.0	558	6.42	1.51		
	B141 - EP - 0.3			0.3	1.0	6.28				8.5
	B141 - EP - 0.6			0.6	1.9	6				
	B141 - 1.5 - 0.0			0.0	0.0	150	2.57			
	B141 - 1.5 - 0.3			0.3	1.0	8.48				
	B141 - 1.5 - 0.6			0.6	1.9	79.4				
	B141 - 3 - 0.0			0.0	0.0	135	3.2			
	B141 - 3 - 0.3			0.3	1.0	62	<0.05			
	B141 - 3 - 0.6			0.6	1.9	39.2				
	B141 - 4.5 - 0.0			0.0	0.0	67	0.89			
142	B142 - PS - 0.0	37.56684934	-121.8990114	0.0	0.0	NS				
	B142 - PS - 0.3			0.3	1.0	11.9				
	B142 - PS - 0.6			0.6	1.9	6.28				
	B142 - EP - 0.0			0.0	0.0	862				
	B142 - EP - 0.3			0.3	1.0	659	11.3	0.764		
	B142 - EP - 0.6			0.6	1.9	6.43				
	B142 - EP - 0.9			0.9	2.9	6.89	<0.05			
	B142 - 1.5 - 0.0			0.0	0.0	184				8.1
	B142 - 1.5 - 0.3			0.3	1.0	50.1	0.91			
	B142 - 1.5 - 0.6			0.6	1.9	97.5	2.18			
	B142 - 3 - 0.0			0.0	0.0	286	4.82	1.25		
	B142 - 3 - 0.3			0.3	1.0	125				
	B142 - 3 - 0.6			0.6	1.9	143	3.01			

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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
143	B143 - EP - 0.0	37.56733234	-121.89809980	0.0	0.0	***1,330***			1.36	
	B143 - EP - 0.3			0.3	1.0	**93.2**				
	B143 - EP - 0.6			0.6	1.9	6.89				
	B143 - 1.5 - 0.0			0.0	0.0	**79.8**	1.7	0.224		
	B143 - 1.5 - 0.3			0.3	1.0	8.47				
	B143 - 1.5 - 0.6			0.6	1.9	7.43				
	B143 - 3 - 0.0			0.0	0.0	**90.5**	1.17			6.8
	B143 - 3 - 0.3			0.3	1.0	25.9				
	B143 - 3 - 0.6			0.6	1.9	11.8				
	B143 - 6 - 0.0			0.0	0.0	**76.7**				
144	B144 - PS - 0.0	37.56783461	-121.8971792	0.0	0.0	NS				
	B144 - PS - 0.3			0.3	1.0	7.6				
	B144 - PS - 0.6			0.6	1.9	**147**	<0.05			8.2
	B144 - EP - 0.0			0.0	0.0	***1,730***			3.03	
	B144 - EP - 0.3			0.3	1.0	**61.3**				
	B144 - EP - 0.6			0.6	1.9	**72.6**	0.851			
	B144 - 1.5 - 0.0			0.0	0.0	**89.7**	3.92			
	B144 - 1.5 - 0.3			0.3	1.0	**64.9**				
	B144 - 1.5 - 0.6			0.6	1.9	**77**	2.02			
	B144 - 3 - 0.0			0.0	0.0	**242**	**5.3**			
	B144 - 3 - 0.3			0.3	1.0	**56.3**	0.522			8.4
	B144 - 3 - 0.6			0.6	1.9	**168**	3.35			
	B144 - 4.5 - 0.0			0.0	0.0	16.7				
145	B145 - PS - 0.0	37.56833375	-121.8962513	0.0	0.0	NS				
	B145 - PS - 0.3			0.3	1.0	45.6				
	B145 - PS - 0.6			0.6	1.9	10.5				
	B145 - PS - 0.9			0.9	2.9	5.98				
	B145 - EP - 0.0			0.0	0.0	**205**	2.42			
	B145 - EP - 0.3			0.3	1.0	15.2				
	B145 - EP - 0.6			0.6	1.9	8.4				
	B145 - 1.5 - 0.0			0.0	0.0	**83.8**	2.31			
	B145 - 1.5 - 0.3			0.3	1.0	**64.1**	1.41			
	B145 - 1.5 - 0.6			0.6	1.9	34.7				
	B145 - 3 - 0.0			0.0	0.0	**74.9**	1.92			
	B145 - 3 - 0.3			0.3	1.0	43.8				
	B145 - 3 - 0.6			0.6	1.9	33.3	0.663			
146	B146 - EP - 0.0	37.56883212	-121.8952992	0.0	0.0	22.2				
	B146 - EP - 0.3			0.3	1.0	**56.6**				
	B146 - EP - 0.6			0.6	1.9	**65.2**				
	B146 - EP - 0.9			0.9	2.9	**91.3**	0.906			8.1
	B146 - 1.5 - 0.0			0.0	0.0	**223**				
	B146 - 1.5 - 0.3			0.3	1.0	45.8				
	B146 - 1.5 - 0.6			0.6	1.9	**55.5**				
	B146 - 3 - 0.0			0.0	0.0	**217**	**8.77**	<0.01		
	B146 - 3 - 0.3			0.3	1.0	**91.2**				
	B146 - 3 - 0.6			0.6	1.9	**121**	2.49			
	B146 - 6 - 0.0			0.0	0.0	**149**	2.07			
	B146 - 6 - 0.3			0.3	1.0	**71.3**				
	B146 - 6 - 0.6			0.6	1.9	32				
	B146 - 6 - 0.9			0.9	2.9	26.7				
147	B147 - PS - 0.0	37.56939366	-121.894253	0.0	0.0	NS				
	B147 - PS - 0.3			0.3	1.0	4.38				
	B147 - PS - 0.6			0.6	1.9	**13.6**				
	B147 - EP - 0.0			0.0	0.0	**79.9**	2.38			
	B147 - EP - 0.3			0.3	1.0	13.2				
	B147 - EP - 0.6			0.6	1.9	**15**	<0.05			7.8
	B147 - 1.5 - 0.0			0.0	0.0	**81.7**				
	B147 - 1.5 - 0.3			0.3	1.0	40.5	<0.05			
	B147 - 1.5 - 0.6			0.6	1.9	**66.8**				
	B147 - 3 - 0.0			0.0	0.0	**119**				
	B147 - 3 - 0.3			0.3	1.0	36.2				
	B147 - 3 - 0.6			0.6	1.9	**76**				
	B147 - 4.5 - 0.0			0.0	0.0	**83.3**				
	B147 - 4.5 - 0.3			0.3	1.0	30				
	B147 - 4.5 - 0.6			0.6	1.9	46.6				
	B147 - 4.5 - 0.9			0.9	2.9	46.2				8.4

TABLE 1
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Santa Clara and Alameda Counties, California
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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
148	B148 - PS - 0.0	37.56986339	-121.8933281	0.0	0.0	NS				
	B148 - PS - 0.3			0.3	1.0	8.04				
	B148 - PS - 0.6			0.6	1.9	58.8				
	B148 - EP - 0.0			0.0	0.0	253	3.53			
	B148 - EP - 0.3			0.3	1.0	20.9				
	B148 - EP - 0.6			0.6	1.9	216				
	B148 - 1.5 - 0.0			0.0	0.0	74.7	1.43			
	B148 - 1.5 - 0.3			0.3	1.0	47				8.3
	B148 - 1.5 - 0.6			0.6	1.9	66				
	B148 - 3 - 0.0			0.0	0.0	79.8				
	B148 - 3 - 0.3			0.3	1.0	75				
	B148 - 3 - 0.6			0.6	1.9	13.4				
149	B149 - EP - 0.0	37.57036926	-121.8924228	0.0	0.0	491	8.59	0.654		6.7
	B149 - EP - 0.3			0.3	1.0	38.4				
	B149 - EP - 0.6			0.6	1.9	10				
	B149 - 1.5 - 0.0			0.0	0.0	78.5				
	B149 - 1.5 - 0.3			0.3	1.0	71.1	1.1			
	B149 - 1.5 - 0.6			0.6	1.9	28.9				
	B149 - 3 - 0.0			0.0	0.0	79				
	B149 - 3 - 0.3			0.3	1.0	234	3.14	< 0.01		
	B149 - 3 - 0.6			0.6	1.9	39.6				
	B149 - 3 - 0.9			0.9	2.9	43.6				8.1
	B149 - 6 - 0.0			0.0	0.0	60.3				
150	B150 - PS - 0.0	37.57085407	-121.8915215	0.0	0.0	NS				
	B150 - PS - 0.3			0.3	1.0	3.97				
	B150 - PS - 0.6			0.6	1.9	53				
	B150 - EP - 0.0			0.0	0.0	23.8				
	B150 - EP - 0.3			0.3	1.0	18.7				
	B150 - EP - 0.6			0.6	1.9	78.7	1.56			
	B150 - 1.5 - 0.0			0.0	0.0	25.8				
	B150 - 1.5 - 0.3			0.3	1.0	58.4				
	B150 - 1.5 - 0.6			0.6	1.9	29.4				
	B150 - 3 - 0.0			0.0	0.0	82.2				
	B150 - 3 - 0.3			0.3	1.0	85.9	1.35			
	B150 - 3 - 0.6			0.6	1.9	52				
	B150 - 4.5 - 0.0			0.0	0.0	64.8				
151	B151 - PS - 0.0	37.57136932	-121.8905623	0.0	0.0	NS				
	B151 - PS - 0.3			0.3	1.0	4.87				
	B151 - PS - 0.6			0.6	1.9	10.1				
	B151 - EP - 0.0			0.0	0.0	480	6.59	0.691		
	B151 - EP - 0.3			0.3	1.0	39.2				
	B151 - EP - 0.6			0.6	1.9	15.7				
	B151 - 1.5 - 0.0			0.0	0.0	23.2				
	B151 - 1.5 - 0.3			0.3	1.0	113	1.12			
	B151 - 1.5 - 0.6			0.6	1.9	64.6	0.832			7.5
	B151 - 3 - 0.0			0.0	0.0	40.8	<0.05			
	B151 - 3 - 0.3			0.3	1.0	37.5				
	B151 - 3 - 0.6			0.6	1.9	7.11				
152	B152 - EP - 0.0	37.57190401	-121.8896739	0.0	0.0	673	27.4	0.588		
	B152 - EP - 0.0	Duplicate		0.0	0.0		3.41			
	B152 - EP - 0.3			0.3	1.0	35				
	B152 - EP - 0.6			0.6	1.9	34.4				
	B152 - 1.5 - 0.0			0.0	0.0	16.7				
	B152 - 1.5 - 0.3			0.3	1.0	73.5				
	B152 - 1.5 - 0.6			0.6	1.9	58.1	0.723			
	B152 - 3 - 0.0			0.0	0.0	36.3				7.8
	B152 - 3 - 0.3			0.3	1.0	16.9				
	B152 - 3 - 0.6			0.6	1.9	43.2				
	B152 - 6 - 0.0			0.0	0.0	35.9				

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Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
153	B153 - PS - 0.0	37.57246624	-121.8888259	0.0	0.0	NS				
	B153 - PS - 0.3			0.3	1.0	6.24				
	B153 - PS - 0.6			0.6	1.9	12.1				
	B153 - PS - 0.9			0.9	2.9	6.29				7.8
	B153 - EP - 0.0			0.0	0.0	**82.4**				8.4
	B153 - EP - 0.3			0.3	1.0	5.2				
	B153 - EP - 0.6			0.6	1.9	12.6				
	B153 - 1.5 - 0.0			0.0	0.0	22.7				
	B153 - 1.5 - 0.3			0.3	1.0	**56.3**				
	B153 - 1.5 - 0.6			0.6	1.9	13.8				
	B153 - 3 - 0.0			0.0	0.0	**80.5**	0.596			
	B153 - 3 - 0.3			0.3	1.0	**216**	4.02			
	B153 - 3 - 0.6			0.6	1.9	**842**	**5.87**	<0.01		
	B153 - 4.5 - 0.0			0.0	0.0	34.7				
154	B154 - PS - 0.0	37.5730356	-121.888002	0.0	0.0	NS				
	B154 - PS - 0.3			0.3	1.0	8.93				
	B154 - PS - 0.6			0.6	1.9	11.5				
	B154 - EP - 0.0			0.0	0.0	48.8				
	B154 - EP - 0.3			0.3	1.0	13.3				
	B154 - EP - 0.6			0.6	1.9	12.2				
	B154 - EP - 0.9			0.9	2.9	14.8				7.1
	B154 - 1.5 - 0.0			0.0	0.0	9.14	<0.05			
	B154 - 1.5 - 0.3			0.3	1.0	12.9				
	B154 - 1.5 - 0.6			0.6	1.9	12.8				
	B154 - 3 - 0.0			0.0	0.0	**75.5**				
	B154 - 3 - 0.3			0.3	1.0	16.5				
	B154 - 3 - 0.6			0.6	1.9	16.6				
155	B155 - EP - 0.0			0.0	0.0	NS				
	B155 - EP - 0.3			0.3	1.0	NS				
	B155 - EP - 0.6			0.6	1.9	NS				
	B155 - 1.5 - 0.0			0.0	0.0	NS				
	B155 - 1.5 - 0.3			0.3	1.0	NS				
	B155 - 1.5 - 0.6			0.6	1.9	NS				
	B155 - 3 - 0.0			0.0	0.0	NS				
	B155 - 3 - 0.3			0.3	1.0	NS				
	B155 - 3 - 0.6			0.6	1.9	NS				
	B155 - 6 - 0.0			0.0	0.0	NS				
156	B156 - PS - 0.0	37.57333674	-121.887578	0.0	0.0	NS				
	B156 - PS - 0.3			0.3	1.0	12.8				
	B156 - PS - 0.6			0.6	1.9	11.9				
	B156 - EP - 0.0			0.0	0.0	**58.6**	0.738			
	B156 - EP - 0.3			0.3	1.0	**134**	2.25	<0.01		
	B156 - EP - 0.6			0.6	1.9	11.7				7.5
	B156 - 1.5 - 0.0			0.0	0.0	NS				
	B156 - 1.5 - 0.3			0.3	1.0	22.6				
	B156 - 1.5 - 0.6			0.6	1.9	13.5				
	B156 - 1.5 - 0.9			0.9	2.9	7.97				
	B156 - 3 - 0.0			0.0	0.0	**72.1**	0.669			
	B156 - 3 - 0.3			0.3	1.0	16				
	B156 - 3 - 0.6			0.6	1.9	7.02				
	B156 - 4.5 - 0.0			0.0	0.0	**51.2**	<0.05			
157	B157 - PS - 0.0	37.57395714	-121.8867666	0.0	0.0	NS				
	B157 - PS - 0.3			0.3	1.0	8.65				7.6
	B157 - PS - 0.6			0.6	1.9	11				
	B157 - PS - 0.9			0.9	2.9	12.1				
	B157 - EP - 0.0			0.0	0.0	19				
	B157 - EP - 0.3			0.3	1.0	7.44				
	B157 - EP - 0.6			0.6	1.9	10.5				
	B157 - 1.5 - 0.0			0.0	0.0	13.2				7.8
	B157 - 1.5 - 0.3			0.3	1.0	15.9				
	B157 - 1.5 - 0.6			0.6	1.9	41.9				
	B157 - 3 - 0.0			0.0	0.0	NS				
	B157 - 3 - 0.3			0.3	1.0	NS				
	B157 - 3 - 0.6			0.6	1.9	NS				

TABLE 1
LEAD ANALYTICAL DATA AND GPS LOCATIONS
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Location	Sample Designation	Latitude	Longitude	Depth (m)	Depth (ft)	Total	WET	DI WET	TCLP	pH
158	B158 - EP - 0.0	37.57391698	-121.8865945	0.0	0.0	14.8				
	B158 - EP - 0.3			0.3	1.0	11.4				
	B158 - EP - 0.6			0.6	1.9	11.2				
	B158 - EP - 0.9			0.9	2.9	11.2				
	B158 - 1.5 - 0.0			0.0	0.0	**126**				
	B158 - 1.5 - 0.3			0.3	1.0	47.5				
	B158 - 1.5 - 0.6			0.6	1.9	26.4				
	B158 - 3 - 0.0			0.0	0.0	**130**	2.32			
	B158 - 3 - 0.3			0.3	1.0	21.3				
	B158 - 3 - 0.6			0.6	1.9	16.8				
	B158 - 4.5 - 0.0			0.0	0.0	64.8	0.739			
	B158 - 6 - 0.0			0.0	0.0	**76.9**	1.32			8.0
159	B159 - PS - 0.0	37.57475033	-121.8851754	0.0	0.0	NS				
	B159 - PS - 0.3			0.3	1.0	NS				
	B159 - PS - 0.6			0.6	1.9	NS				
	B159 - EP - 0.0			0.0	0.0	28.6				
	B159 - EP - 0.3			0.3	1.0	6.47				
	B159 - EP - 0.6			0.6	1.9	10.7				
	B159 - 1.5 - 0.0			0.0	0.0	**277**	**5.81**	1.23		
	B159 - 1.5 - 0.3			0.3	1.0	40.4				7.8
	B159 - 1.5 - 0.6			0.6	1.9	72.2				
	B159 - 3 - 0.0			0.0	0.0	**178**	4.28	< 0.01		
	B159 - 3 - 0.3			0.3	1.0	27				
	B159 - 3 - 0.6			0.6	1.9	26.7				
	B159 - 4.5 - 0.0			0.0	0.0	**231**				
160	B160 - PS - 0.0	37.57507487	-121.8843206	0.0	0.0	NS				
	B160 - PS - 0.3			0.3	1.0	7.05				9.1
	B160 - PS - 0.6			0.6	1.9	7.43				
	B160 - EP - 0.0			0.0	0.0	NS				
	B160 - EP - 0.3			0.3	1.0	6.03				8.2
	B160 - EP - 0.6			0.6	1.9	18.1				
	B160 - 1.5 - 0.0			0.0	0.0	**92.4**	1.3			
	B160 - 1.5 - 0.3			0.3	1.0	10.3				
	B160 - 1.5 - 0.6			0.6	1.9	10.4				7.0
	B160 - 3 - 0.0			0.0	0.0	**123**				
	B160 - 3 - 0.3			0.3	1.0	11.7				
	B160 - 3 - 0.6			0.6	1.9	13.1				
161	B161 - EP - 0.0	37.57460356	-121.8860379	0.0	0.0	10	<0.05			
	B161 - EP - 0.3			0.3	1.0	4.34	<0.05			
	B161 - EP - 0.6			0.6	1.9	8.33				
	B161 - 1.5 - 0.0			0.0	0.0	32.3				8.2
	B161 - 1.5 - 0.3			0.3	1.0	21.4				
	B161 - 1.5 - 0.6			0.6	1.9	11.1				
	B161 - 3 - 0.0			0.0	0.0	31.6				
	B161 - 3 - 0.3			0.3	1.0	9.72				
	B161 - 3 - 0.6			0.6	1.9	9.33				
	B161 - 3 - 0.9			0.9	2.9	13.3				
	B161 - 6 - 0.0			0.0	0.0	8.69				
	B161 - 6 - 0.3			0.0	0.0	10.7				
	B161 - 6 - 0.6			0.0	0.0	6.87				
	B161 - 6 - 0.9			0.0	0.0	10.2				8.3

Notes:

1. *Lead analysis conducted in general accordance with U.S. Environmental Protection Agency (EPA) Series 6010. pH analysis conducted in general accordance with EPA Method 9045.*
2. *Sample depths reported in approximate meters (m) / feet (ft) below the ground surface.*
3. *TTLC = total threshold limit concentration. STLC = soluble threshold limit concentration. WET = waste extraction test. DI WET = WET with deionized water extraction solution. TCLP = toxicity characteristic leaching procedure.*
4. *WET conducted in general accordance with California Title 22 procedures. TCLP conducted in general accordance with EPA procedures.*
5. *Total metal results reported in milligrams per kilogram. WET, DI WET, and TCLP results reported in milligrams per liter.*
6. *Soil samples labeled as follows: boring no.-location relative to pavement-depth. Ex.: B161-EP-0.3 - boring 161, edge of pavement, 0.3 meter depth. PS=beneath pavement surface. EP=edge of pavement. 1.5, 3, 6, etc.=distance in meters off pavement edge.*
7. *For total results, bold results exceed 10 times the STLC, italics results exceed the TTLC. For WET results, bold results exceed the STLC.*
8. *ND = not detected above reporting limit.*
9. *Latitude and longitude converted to decimal format.*

Table 2
Groundwater Analytical Data
Caltrans - I 680
Santa Clara Alameda Counties, California
Task Order No. 04-253751-CP
Contract No. 43A0078

Analyte	Analytical Method	Result	Reporting Limit	MCL
TPHd	8015m	ND	0.050	--
TPHg	8015m	ND	0.050	--
Mercury	7470A	ND	0.00020	0.002
Antimony	6010	ND	0.060	0.006
Arsenic	6010	ND	0.080	0.05
Barium	6010	0.46	0.020	1
Beryllium	6010	ND	0.0030	0.004
Cadmium	6010	ND	0.0050	0.005
Chromium	6010	ND	0.010	0.05
Cobalt	6010	ND	0.050	--
Copper	6010	ND	0.020	1
Lead	6010	ND	0.010	0.015
Molybdenum	6010	ND	0.050	--
Nickel	6010	ND	0.040	0.1
Selenium	6010	ND	0.10	0.05
Silver	6010	ND	0.010	0.1
Thallium	6010	ND	0.10	0.002
Vanadium	6010	ND	0.050	--
Zinc	6010	0.038	0.015	5
SVOCs	8070C	ND	0.010 to 0.050	varies

Notes:

1. *Analyses performed in general accordance with the U.S. Environmental Protection Agency Method listed.*
2. *MCL = National or California Maximum Contaminant Level, whichever is lower.*
3. *Results reported in milligrams per liter.*
4. *TPHd = total petroleum hydrocarbons as diesel. TPHg = total petroleum hydrocarbons as gasoline*
5. *SVOCs = semivolatile organic compounds.*

TABLE 3

ASBESTOS DATA
POLARIZED LIGHT MICROSCOPY (PLM)
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract 43A0078

					ASBESTOS		NON-ASBESTOS			
Sample Id	Location	Material	Appearance	Sample Treatment	%	Type	%	Fibrous	%	Non-Fibrous
0001	Vargas Rd. Undercrossing North Side	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0002	Vargas Rd. Undercrossing South Side	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0003	Vargas Rd. Undercrossing	Gasket Compound	Brown Fibrous Heterogenous	Teased/ Crushed	0	None Detected	50.0	Cellulose	50	Other
0004	Vargas Rd. Undercrossing	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0005	Vargas Rd. Undercrossing	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0006	Vargas Rd. Undercrossing	Grout	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0007	Vargas Rd. Undercrossing	Cement Patch	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0008	Vargas Rd. Undercrossing	Mortar	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other

TABLE 3

ASBESTOS DATA
POLARIZED LIGHT MICROSCOPY (PLM)
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract 43A0078

Sample Id	Location	Material	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS			
					%	Type	%	Fibrous	%	Non-Fibrous
0009	Vargas Rd. Undercrossing	Joint Compound	White Fibrous Heterogenous	Teased/ Crushed	0	None Detected	50.0	Synthetic	50	Other
0010	Vargas Rd. Undercrossing	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0011	Mission San Jose Separation Run Off Slope	Cement	Red Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0012	Mission San Jose Separation Patch from Pillar	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0013	Mission San Jose Separation Pillar	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0014	Mission San Jose Separation Loose Chip	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0015	Mission San Jose Separation Horz. Run	Cement	Gray Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0016	Mission San Jose Separation Drain Canal	Cement	Red Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0017	Mission San Jose Separation Water Slope N. Side	Cement	Red Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0018	Mission San Jose Separation Retaining Wall N. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other

TABLE 3

ASBESTOS DATA
POLARIZED LIGHT MICROSCOPY (PLM)
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract 43A0078

					ASBESTOS		NON-ASBESTOS			
Sample Id	Location	Material	Appearance	Sample Treatment	%	Type	%	Fibrous	%	Non-Fibrous
0019	Mission San Jose Separation Expan. Joint N. Side	Cement	Grey/ Brown Non-Fibrous Heterogenous	Teased/ Crushed	0	None Detected	50.0	Cellulose	50	Other
0020	East Warren Ave. Undercrossing North Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0 5.0	Cellulose Wollastonite	92	Other
0021	East Warren Ave. Undercrossing 300 sq. good con.	Cement Compound	Red Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0 2.0	Cellulose Wollastonite	93	Other
0022	East Warren Ave. Undercrossing West Side	Joint Compound	Brown Fibrous Heterogenous	Teased/ Crushed	0	None Detected	50.0	Cellulose	50	Other
0023	East Warren Ave. Water Slope W. Side 4000 sq. ft.	Cement	Red Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0 2.0	Cellulose Wollastonite	93	Other
0024	East Warren Ave. W. Side	Mortar	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0 3.0	Cellulose Wollastonite	92	Other
0025	East Warren Ave. Bridge Support S. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0 2.0	Cellulose Wollastonite	93	Other
0026	East Warren Ave. Undercrossing E. Side	Cement	Grey/Red Non-Fibrous Heterogenous	Crushed	0	None Detected	2.0 2.0	Cellulose Wollastonite	96	Other
0027	East Warren Ave. Expan. Joint E. Side	Cement	Brown Fibrous Heterogenous	Teased/ Crushed	0	None Detected	50.0	Cellulose	50	Other
0028	East Warren Ave. Run Off Drain E. Side	Mortar	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0 5.0	Cellulose Glass	92	Other

TABLE 3

ASBESTOS DATA
POLARIZED LIGHT MICROSCOPY (PLM)
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract 43A0078

					ASBESTOS		NON-ASBESTOS			
Sample Id	Location	Material	Appearance	Sample Treatment	%	Type	%	Fibrous	%	Non-Fibrous
0029	East Warren Ave. E. Side	Cement	Red/ Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	97	Other
0030	East Warren Ave. E. Side Bridge Support	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	7.0	Cellulose	93	Other
0031	D.W.R North W. Side 300 Sq. Feet	Cement	Grey/Red Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0032	D.W.R North W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0033 [a]	D.W.R North Horz. Side Beam W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0034	D.W.R North W. Side	Joint Compound	Brown Fibrous Heterogenous	Teased/ Crushed	0	None Detected	50.0	Cellulose	50	Other
0035	D.W.R North Under Support W. Side	Mortar	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	8.0	Cellulose	92	Other
0036	D.W.R North N. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0 5.0	Cellulose Wollastonite	92	Other
0037	D.W.R North N. Side	Styofoam	White/Tan Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Glass	95	Other
0038	D.W.R North E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other

TABLE 3

ASBESTOS DATA
POLARIZED LIGHT MICROSCOPY (PLM)
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract 43A0078

Sample Id	Location	Material	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS			
					%	Type	%	Fibrous	%	Non-Fibrous
0040	D.W.R South S. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0041	D.W.R South Pillar W. Side	Cemnet	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0042	D.W.R South W. Side	Joint Compound	Brown Non-Fibrous Heterogenous	Crushed	0	None Detected	50.0	Cellulose	50	Other
0043	D.W.R South W. Side	Mortar	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0044	D.W.R South W. Side	Joint Compound	Grey Non-Fibrous Heterogenous	Teased/ Crushed	0	None Detected	50.0	Cellulose	50	Other
0045	D.W.R South W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0046	D.W.R South E. Side	Cement	Red/ Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0047	D.W.R South E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0048	D.W.R North E. Side	Cement	Grey/ Red Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other

TABLE 3

ASBESTOS DATA
POLARIZED LIGHT MICROSCOPY (PLM)
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract 43A0078

					ASBESTOS		NON-ASBESTOS			
Sample Id	Location	Material	Appearance	Sample Treatment	%	Type	%	Fibrous	%	Non-Fibrous
0049	D.W.R North E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0050	D.W.R North E. Side	Joint Compound	Brown Non-Fibrous Heterogenous	Crushed	0	None Detected	50.0	Cellulose	50	Other
0051	D.W.R North E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0052	Jacklin Road Undercrossing Drain Slope E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0053	Jacklin Road Undercrossing Drain Slope E. Side	Cement	Grey/ Red Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0054	Jacklin Road Undercrossing Drain Slope W. Side	Cement	Red/ Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0055	Jacklin Road Undercrossing Drain Slope W. Side	Cement	Grey/ Red Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0056	Jacklin Road Undercrossing E. Side	Cement	Grey/ Red Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0057	Jacklin Road Undercrossing E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0058	Jacklin Road Undercrossing Upper Over. E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other

TABLE 3

ASBESTOS DATA
POLARIZED LIGHT MICROSCOPY (PLM)
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract 43A0078

					ASBESTOS		NON-ASBESTOS			
Sample Id	Location	Material	Appearance	Sample Treatment	%	Type	%	Fibrous	%	Non-Fibrous
0059	Jacklin Road Undercrossing Upper Over. E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0060	Jacklin Road Undercrossing Drain Slope W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	4.0	Cellulose	96	Other
0061	Jacklin Road Undercrossing Drain Slope W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0062	Calaveras Blvd. Drain Slope W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0063	Calaveras Blvd. Drain W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	95	Other
0064	Calaveras Blvd. Upper W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	3.0	Cellulose	97	Other
0065	Calaveras Blvd. Upper W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	2.0 3.0	Cellulose Wollastonitie	95	Other
0066	Calaveras Blvd. Upper W. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	2.0 3.0	Cellulose Wollastonitie	95	Other
0067	Calaveras Blvd. Drain Slope E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	2.0 3.0	Cellulose Wollastonitie	95	Other
0068	Calaveras Blvd. Drain E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	2.0 3.0	Cellulose Wollastonitie	95	Other

TABLE 3

ASBESTOS DATA
POLARIZED LIGHT MICROSCOPY (PLM)
Caltrans - I 680
Santa Clara and Alameda Counties, California
Task Order No. 04-253751-CP
Contract 43A0078

					ASBESTOS		NON-ASBESTOS			
Sample Id	Location	Material	Appearance	Sample Treatment	%	Type	%	Fibrous	%	Non-Fibrous
0069	Calaveras Blvd. Upper E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	93	Other
							2.0	Wollastonitie		
0070	Calaveras Blvd. Upper E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	92	Other
							3.0	Wollastonitie		
0071	Calaveras Blvd. Upper E. Side	Cement	Grey Non-Fibrous Heterogenous	Crushed	0	None Detected	5.0	Cellulose	92	Other
							3.0	Wollastonitie		

[a] *Sample was first analyzed as containing < 1 % Chrysotlle. A reanalyzes showed the sample to be non-detect.*

Appendix A
Permits

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 PHONE (925) 484-2600 FAX (925) 462-3914

January 10, 2003

Ms. Martha Adams
Shaw Environmental
1326 North Market Boulevard
Sacramento, CA 95834

Dear Ms. Adams:

Enclosed is drilling permit 23003 for a contamination investigation at Andrade Road and Interstate 680 near Sunol for Caltrans. Also enclosed are current drilling permit applications and a drilling permit jurisdiction map for your files.

Please note that permit conditions A-2 and G requires that a report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, permit number and any analysis of the soil and water samples. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 235 or Matt Katen at extension 234.

Sincerely,

Wyman Hong

Wyman Hong
Water Resources Technician II

Enc.

P:\WRE\GPOs\GPO1\GPO1.CONTAMINATION.wpd

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Andrade Road near Sunol along I-680 - within Caltrans ROW

California Coordinates Source _____ Accuracy± _____ ft.
CCN _____ ft. CCE _____ ft.
APN _____

CLIENT
Name Caltrans
Address 111 Grand Ave - 14th Floor Phone 510-286-5638
City Oakland, CA Zip 94623

APPLICANT
Name Shaw Environmental, Inc.
MARTHA ADAMS Fax 916-565-4356
Address 1326 N. Market Blvd. Phone 916-565-4183
City Sacramento Zip 95834

TYPE OF PROJECT:
Well Construction — Geotechnical Investigation
Well Destruction — Contamination Investigation
Cathodic Protection — Other _____

PROPOSED WELL USE:
Domestic — Irrigation
Municipal — Remediation
Industrial — Groundwater Monitoring
Dewatering — Other: Test Boring (Groundwater Sample)

DRILLING METHOD:
Mud Rotary — Air Rotary — Hollow Stem Auger
Cable Tool — Direct Push — Other _____

DRILLING COMPANY Precision
DRILLER'S LICENSE NO. 626383

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings 5 Maximum
Hole Diameter 2 in. Depth 2-6 ft.

ESTIMATED STARTING DATE 1-14
ESTIMATED COMPLETION DATE 1-14

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Martha Adams Date 1.9.03

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 23003
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

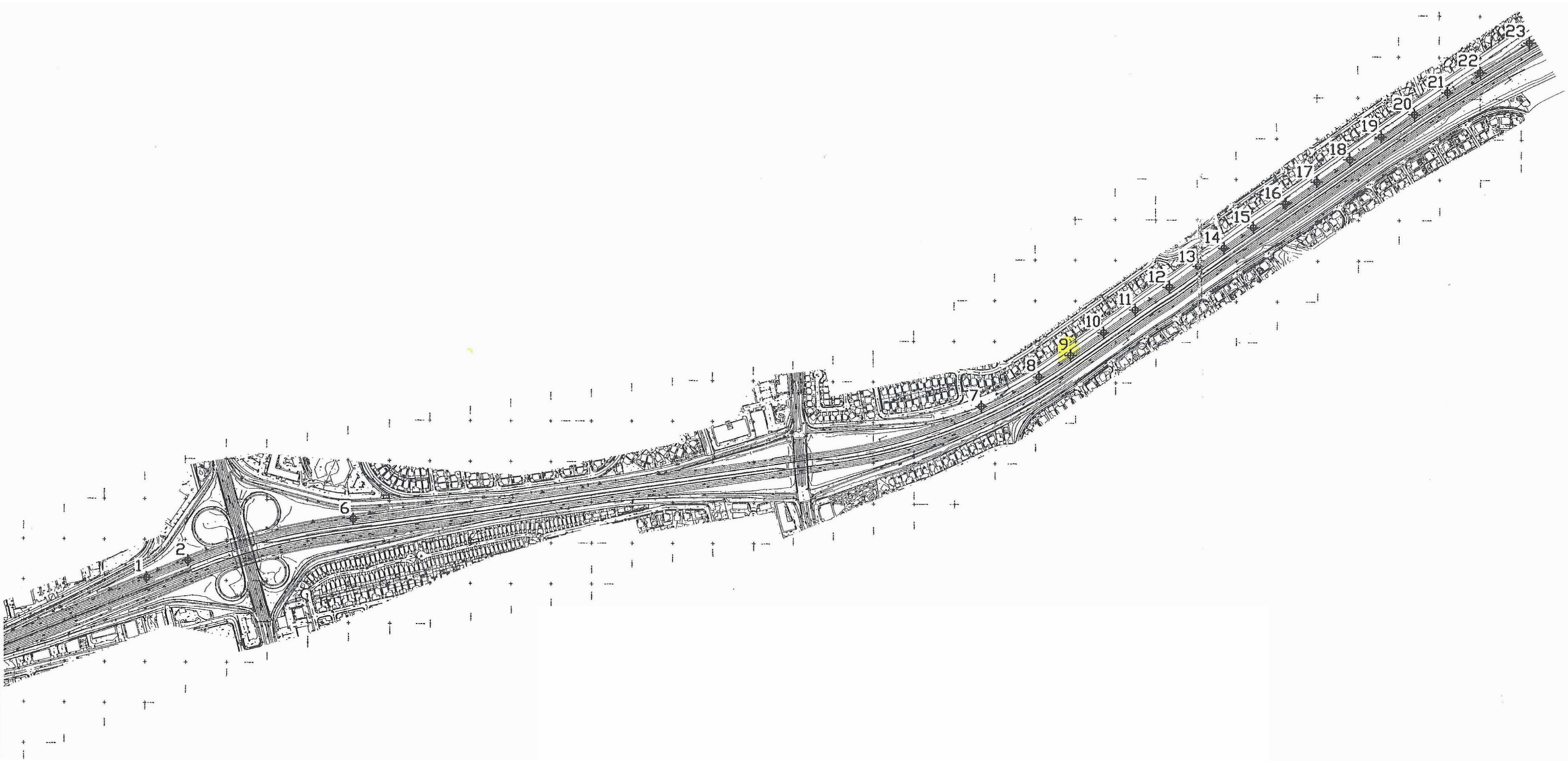
F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS:, Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 1/10/03

Appendix B
Sample Boring Locations Figures

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
C Douglas 4-4-03			841855



SCALE

0 250 500 METERS

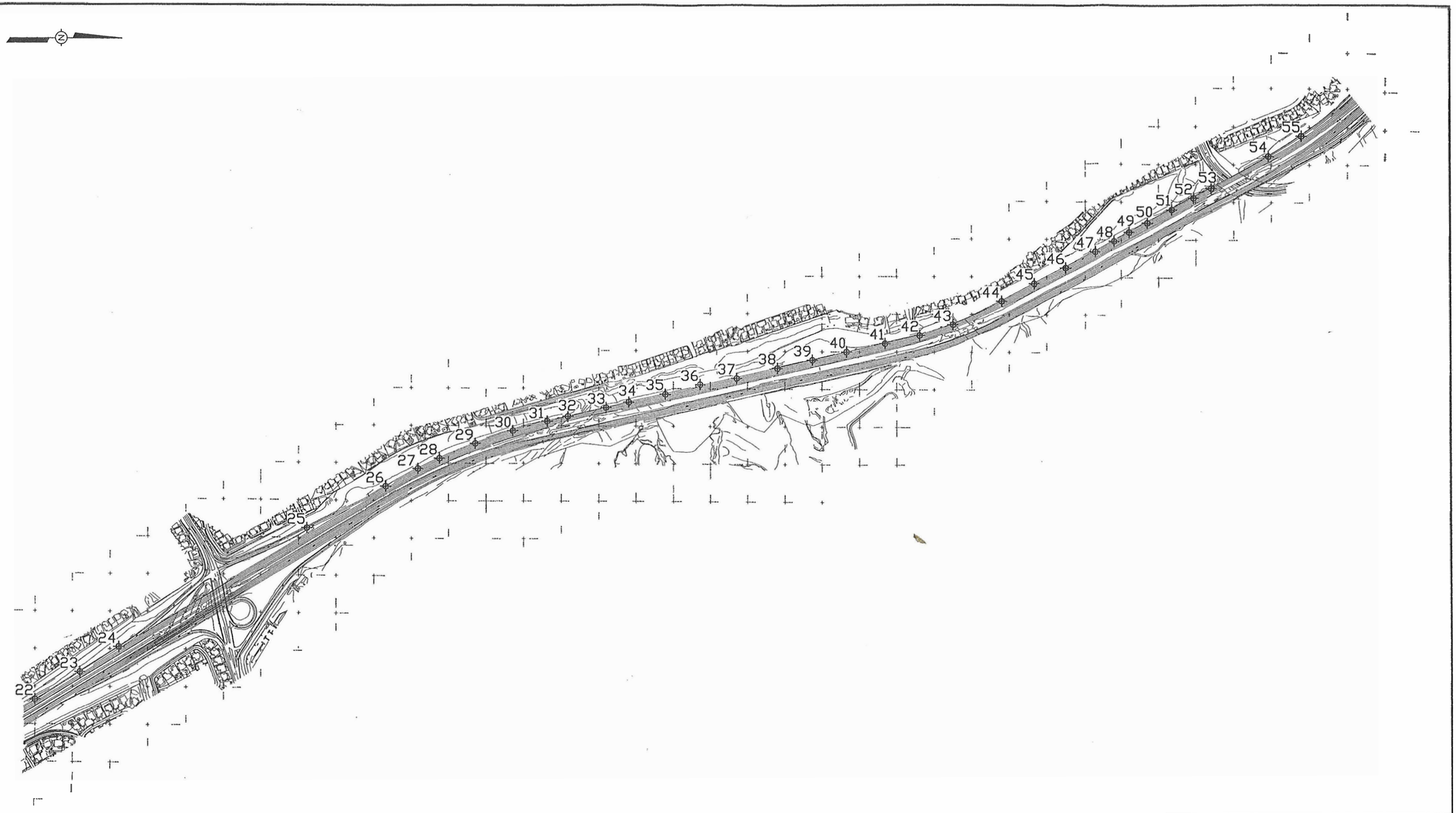
Shaw™
Shaw E & I, Inc.

INTERSTATE 680
KILO POST (KP) 12.0/15.9
(PM 7.5/9.9)
SANTA CLARA COUNTY, CA
KP 0/31 (PM 0/19.3)
ALAMEDA COUNTY, CA

SHEET 1

SOIL BORING LOCATIONS

TASK ORDER No. 04-253751-CP



SCALE

0 250 500 METERS

DRAWN BY C Douglas 4-4-03	CHECKED BY
APPROVED BY	PROJECT NUMBER 841855

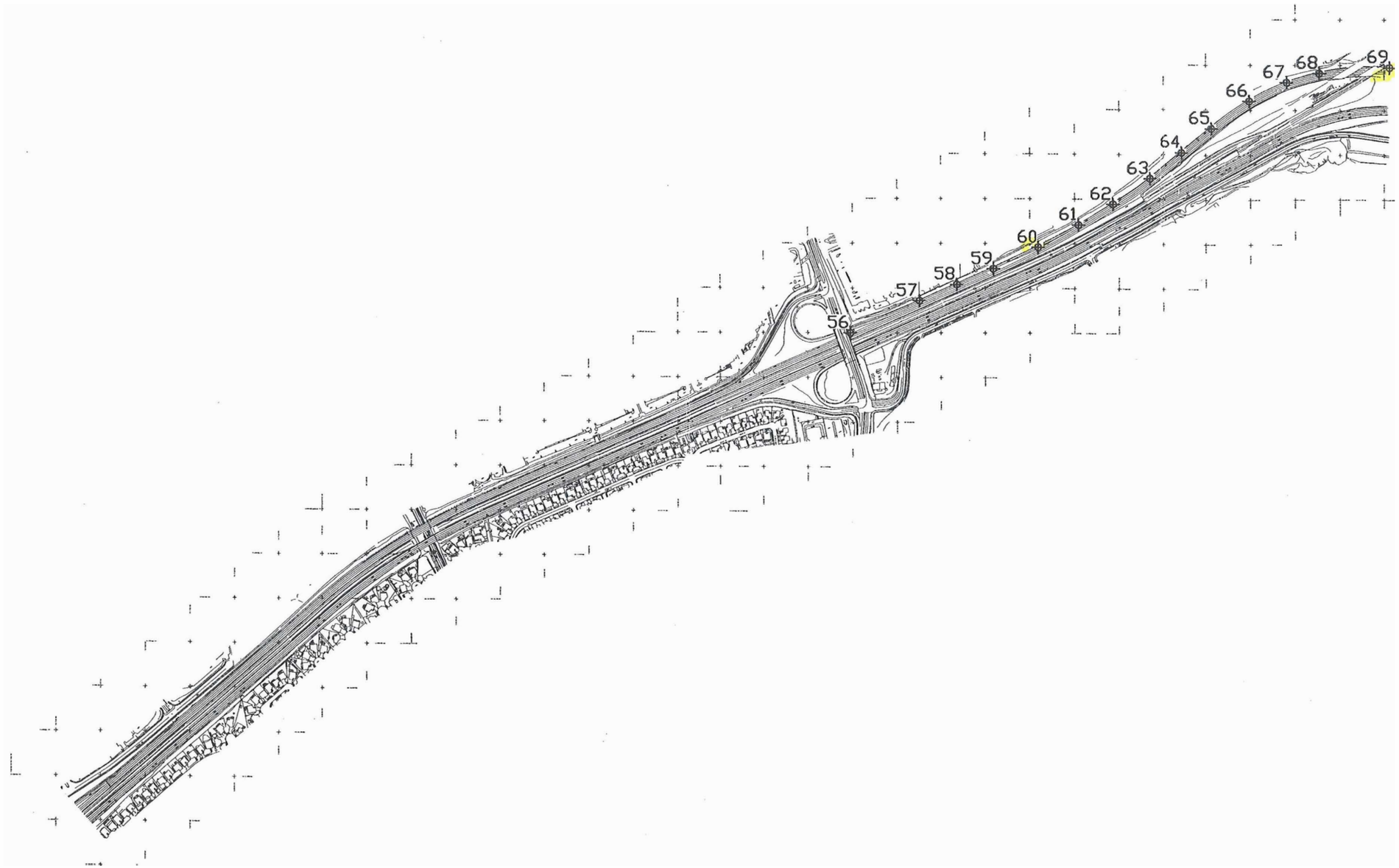
Shaw™ Shaw E & I, Inc.

INTERSTATE 680
KILO POST (KP) 12.0/15.9
(PM 7.5/9.9)
SANTA CLARA COUNTY, CA
KP 0/31 (PM 0/19.3)
ALAMEDA COUNTY, CA

SHEET 2

SOIL BORING LOCATIONS

TASK ORDER No. 04-253751-CP



SCALE

0 250 500 METERS

PROJECT NUMBER	APPROVED BY	CHECKED BY	DRAWN BY
841855			C Douglas 4-4 03

Shaw™
Shaw E & I, Inc.

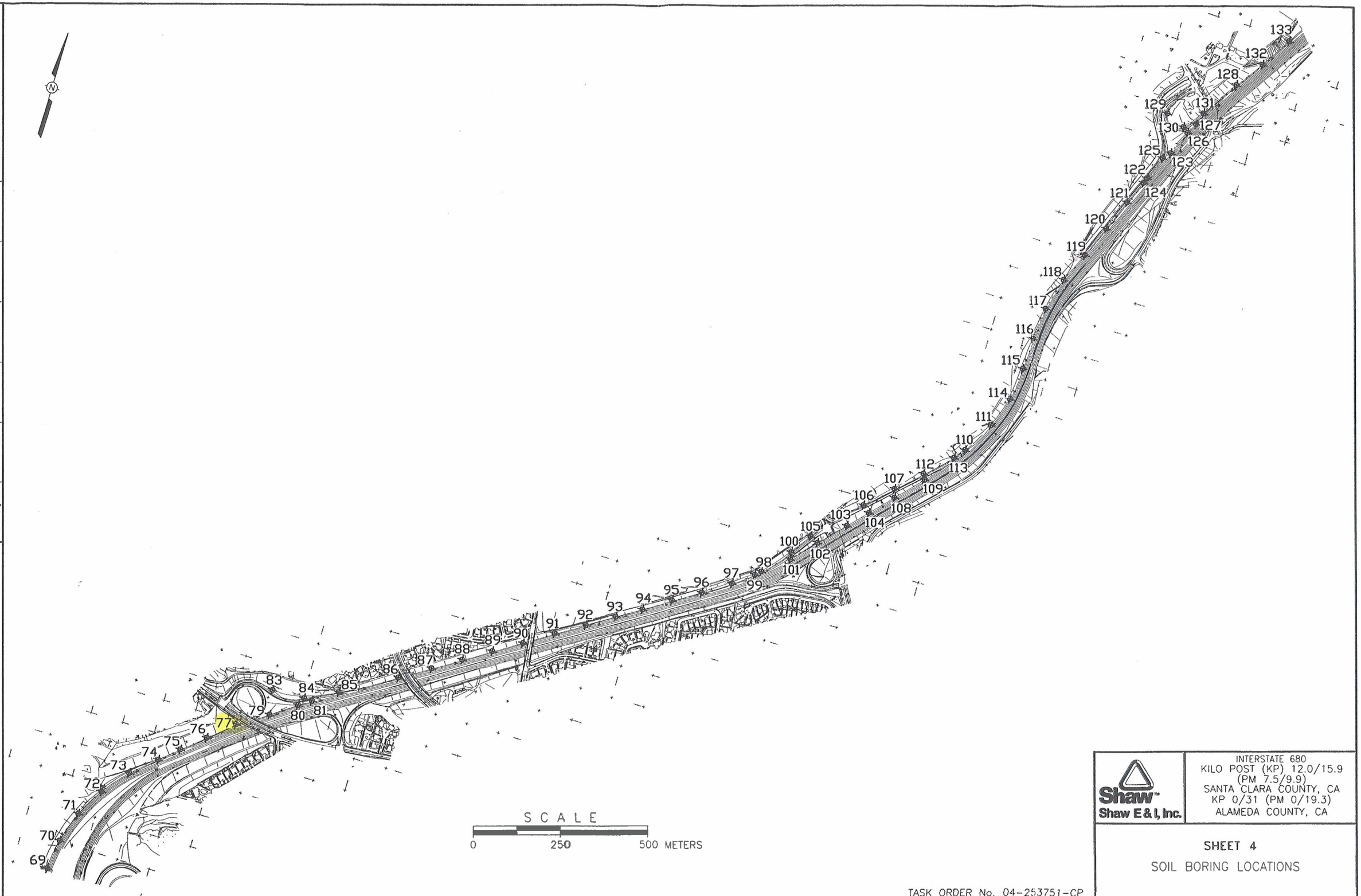
INTERSTATE 680
KILO POST (KP) 12.0/15.9
(PM 7.5/9.9)
SANTA CLARA COUNTY, CA
KP 0/31 (PM 0/19.3)
ALAMEDA COUNTY, CA

SHEET 3

SOIL BORING LOCATIONS

TASK ORDER No. 04-253751-CP

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
C Douglas 4-4-03			841855



TASK ORDER No. 04-253751-CP

Shaw™
Shaw E & I, Inc.

INTERSTATE 680
KILO POST (KP) 12.0/15.9
(PM 7.5/9.9)
SANTA CLARA COUNTY, CA
KP 0/31 (PM 0/19.3)
ALAMEDA COUNTY, CA

SHEET 4

SOIL BORING LOCATIONS

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
C Douglas 4-4-03			841855

Shaw™
Shaw E & I, Inc.

INTERSTATE 680
KILO POST (KP) 12.0/15.9
(PM 7.5/9.9)
SANTA CLARA COUNTY, CA
KP 0/31 (PM 0/19.3)
ALAMEDA COUNTY, CA

SHEET 5

SOIL BORING LOCATIONS

TASK ORDER No. 04-253751-CP

Appendix C
Drilling and Sampling Procedures

APPENDIX C
DRILLING AND SAMPLING PROCEDURES

The procedures used for drilling the borings and collecting soil samples are presented below.

- An encroachment permit for the field investigation was obtained from the Caltrans prior to the fieldwork.

Drilling and Soil Sample Collection

- Six hundred and ninety-three borings were advanced BGS using direct-push and hand-augering sampling equipment.
- Work was conducted in the paved and unpaved portion of the shoulders, as well as off the shoulder approximately every 90 meters (300 feet).
- Soil samples were collected from depths of 0 meters, at 0.3 meters (1 foot), at 0.6 meters (2 feet), and at 0.9 meters (3 feet) BGS, respectively.
- Soil samples for lead analyses were collected from a 5-centimeter (2-inch) diameter direct-push rod containing an acetate sleeve. The sleeve was cut into discreet sample intervals and capped. The samples were then labeled with the sample number.
- Soil from the direct-push drilling operations was used to backfill the soil borings.
- The sampling equipment was washed in a detergent rinse, two clear water rinses, and a final deionized/distilled water rinse prior to drilling. Wastewater generated by washing the equipment was disposed of into the soil in the right-of-way.

Sample Retention and Analysis

- All samples were placed on ice in an insulated chest cooled to a temperature of approximately 4 degrees Celsius.
- Chain-of-custody procedures, including the use of chain-of-custody forms, were used to document sample handling and transport from collection to delivery to the laboratory for analysis.
- Shaw personnel delivered the samples to the laboratory within approximately 24 hours of collection. The samples were transported to the laboratory in a motor vehicle.
- Soil samples were labeled with the boring number, and the sample collection depth. For example, "SB-1-PS-0.3" represents the first boring collected at a depth of 0.3 meters below the pavement surface.
- Laboratory quality assurance/quality control procedures are summarized below:

  1. Method Blank Frequency = one per 10 samples
  2. Matrix Spike/Matrix Spike Duplicate = one per 10 samples
  3. Laboratory Control Sample/Laboratory Control Sample Duplicate = one per 10 samples

Appendix D
Laboratory Analytical Reports and Chain-of-Custody Forms

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15342 841855 Caltrans SR680 Sunol
Received	01/14/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15342 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15342001	B160-EP-0.3	8.2	0.10	SU	01/13/03	01/14/03	Soil	1:1
15342012	B156-EP-0.6	7.5	0.10	SU	01/13/03	01/14/03	Soil	1:1
15342019	B154-EP-0.9	7.1	0.10	SU	01/13/03	01/14/03	Soil	1:1
15342026	B153-EP-0	8.4	0.10	SU	01/13/03	01/14/03	Soil	1:1
15342041	B152-3-0	7.8	0.10	SU	01/13/03	01/14/03	Soil	1:1
15342049	B151-1.5-0.6	7.5	0.10	SU	01/13/03	01/14/03	Soil	1:1
15342063	B138-EP-0.3	8.6	0.10	SU	01/13/03	01/14/03	Soil	1:1
15342083	B160-1.5-0.6	7.0	0.10	SU	01/13/03	01/14/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15342 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15342001	B160-EP-0.3	6.03	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342002	B160-EP-0.6	18.1	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342003	B159-EP-0	28.6	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342004	B159-EP-0.3	6.47	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342005	B159-EP-0.6	10.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342006	B158-EP-0	14.8	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342007	B158-EP-0.3	11.4	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342008	B158-EP-0.6	11.2	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342009	B158-EP-0.9	11.2	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342010	B156-EP-0	58.6	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342011	B156-EP-0.3	134	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342012	B156-EP-0.6	11.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342013	B156-1.5-0.3	22.6	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342014	B156-1.5-0.6	13.5	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342015	B156-1.5-0.9	7.97	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342016	B154-EP-0	48.8	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342017	B154-EP-0.3	13.3	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342018	B154-EP-0.6	12.2	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342019	B154-EP-0.9	14.8	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342020	B154-1.5-0	9.14	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342021	B154-1.5-0.3	12.9	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342022	B154-1.5-0.6	12.8	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342023	B154-3-0	75.5	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342024	B154-3-0.3	16.5	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342025	B154-3-0.6	16.6	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342026	B153-EP-0	82.4	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342027	B153-EP-0.3	5.20	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342028	B153-EP-0.6	12.6	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342029	B153-1.5-0	22.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342030	B153-1.5-0.3	56.3	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342031	B153-1.5-0.6	13.8	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342032	B153-3-0	80.5	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342033	B153-3-0.3	216	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342034	B153-3-0.6	842	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15342 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15342035	B152-EP-0	673	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342036	B152-EP-0.3	35.0	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342037	B152-EP-0.6	34.4	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342038	B152-1.5-0	16.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342039	B152-1.5-0.3	73.5	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342040	B152-1.5-0.6	58.1	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342041	B152-3-0	36.3	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342042	B152-3-0.3	16.9	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342043	B152-3-0.6	43.2	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342044	B151-EP-0	480	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342045	B151-EP-0.3	39.2	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342046	B151-EP-0.6	15.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342047	B151-1.5-0	23.2	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342048	B151-1.5-0.3	113	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342049	B151-1.5-0.6	64.6	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342050	B151-3-0	40.8	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342051	B151-3-0.3	37.5	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342052	B151-3-0.6	7.11	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342053	B150-EP-0	23.8	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342054	B150-EP-0.3	18.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342055	B150-EP-0.6	78.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342056	B144-EP-0	1730	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342057	B144-EP-0.3	61.3	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342058	B144-EP-0.6	72.6	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342059	B139-EP-0	110	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342060	B139-EP-0.3	18.1	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342061	B139-EP-0.6	35.9	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342062	B138-EP-0	19.5	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342063	B138-EP-0.3	18.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342064	B138-EP-0.6	307	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342065	B138-1.5-0	214	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342066	B138-1.5-0.3	8.17	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342067	B138-1.5-0.6	20.6	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342068	B138-3-0	13.4	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15342 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15342069	B138-3-0.3	10.0	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342070	B138-3-0.6	41.1	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342071	B137-EP-0	30.4	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342072	B137-EP-0.3	1.51	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342073	B137-EP-0.6	2.16	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342074	B137-EP-0.9	7.82	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342075	B136-EP-0	27.1	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342076	B136-EP-0.3	27.3	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342077	B136-EP-0.6	16.8	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342078	B156-3-0	72.1	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342079	B156-3-0.3	16.0	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342080	B156-3-0.6	7.02	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342081	B160-1.5-0	92.4	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342082	B160-1.5-0.3	10.3	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342083	B160-1.5-0.6	10.4	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342084	B160-3-0	123	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342085	B160-3-0.3	11.7	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1
15342086	B160-3-0.6	13.1	1.0	mg/Kg	01/13/03	01/17/03	Soil	1:1

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CHAIN OF CUSTODY

A FLOOR

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

15342

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5 Day TAT
1	B160-EP-0.3	1/13/03	10:45	Acetate Sleeve	1	Ice	Soil		✓	48 HR
2	B160-EP-0.6	↓	↓	Acetate Sleeve	1	Ice	Soil			48 HR
3	B159-EP-0		11:00	Acetate Sleeve	1	Ice	Soil			48 HR
4	B159-EP-0.3	↓	↓	Acetate Sleeve	1	Ice	Soil			48 HR
5	B159-EP-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
6	B158-EP-0		11:30	Acetate Sleeve	1	Ice	Soil			48 HR
7	B158-EP-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
8	B158-EP-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
9	B158-EP-0.9			Acetate Sleeve	1	Ice	Soil			48 HR
10	B156-EP-0		11:45	Acetate Sleeve	1	Ice	Soil			48 HR
11	B156-EP-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
12	B156-EP 0.6			Acetate Sleeve	1	Ice	Soil		✓	48 HR
13	B156-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
14	B156-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
15	B156-1.5-0.9			Acetate Sleeve	1	Ice	Soil			48 HR
16	B154-EP-0		11:55	Acetate Sleeve	1	Ice	Soil			48 HR
17	B154-EP-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
18	B154-EP-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
19	B154-EP-0.9			Acetate Sleeve	1	Ice	Soil		✓	48 HR
20	B154-1.5-0			Acetate Sleeve	1	Ice	Soil			48 HR
21	B154-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
22	B154-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
23	B154-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
24	B154-3-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
25	B154-3-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
26	B153-EP-0		12:15	Acetate Sleeve	1	Ice	Soil		✓	48 HR
27	B153-EP-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
28	B153-EP-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
29	B153-1.5-0			Acetate Sleeve	1	Ice	Soil			48 HR
30	B153-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
31	B153-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
32	B153-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
33	B153-3 0.3			Acetate Sleeve	1	Ice	Soil			48 HR
34	B153-3 0.6			Acetate Sleeve	1	Ice	Soil			48 HR
35	B152-EP-0		12:25	Acetate Sleeve	1	Ice	Soil			48 HR
36	B152-EP-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
37	B152-EP-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
38	B152-1.5-0			Acetate Sleeve	1	Ice	Soil			48 HR
39	B152-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
40	B152-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR

Reliquished By: Joyce Chang
Print Name: JOYCE CHANG
Date: 01/13/03
Time: 1600

Received By: [signature]
Print Name: WILL FLEMING
Date: 1/13/03
Time: 16:20

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

153/2

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947
(916)416-0499 WILL CELL

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B152-3-0	1/13/03	12:25	Acetate Sleeve	1	Ice	Soil		✓	48 HR
2	B152-3-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
3	B152-3-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
4	B151-EP-0		12:35	Acetate Sleeve	1	Ice	Soil			48 HR
5	B151-EP-.3			Acetate Sleeve	1	Ice	Soil			48 HR
6	B151-EP-.6			Acetate Sleeve	1	Ice	Soil			48 HR
7	B151-1.5-0			Acetate Sleeve	1	Ice	Soil			48 HR
8	B151-1.5-.3			Acetate Sleeve	1	Ice	Soil			48 HR
9	B151-1.5-0.6			Acetate Sleeve	1	Ice	Soil		✓	48 HR
10	B151-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
11	B151-3-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
12	B151-3-.6			Acetate Sleeve	1	Ice	Soil			48 HR
13	B150-EP-0		13:30	Acetate Sleeve	1	Ice	Soil			48 HR
14	B150-EP-.3			Acetate Sleeve	1	Ice	Soil			48 HR
15	B150-EP-.6			Acetate Sleeve	1	Ice	Soil			48 HR
16	B144-EP-0		14:00	Acetate Sleeve	1	Ice	Soil			48 HR
17	B144-EP-.3			Acetate Sleeve	1	Ice	Soil			48 HR
18	B144-EP-.6			Acetate Sleeve	1	Ice	Soil			48 HR
19	B139-EP-.0		14:20	Acetate Sleeve	1	Ice	Soil			48 HR
20	B139-EP-.3			Acetate Sleeve	1	Ice	Soil			48 HR
21	B139-EP-.6			Acetate Sleeve	1	Ice	Soil			48 HR
22	B138-EP-0		14:35	Acetate Sleeve	1	Ice	Soil			48 HR
23	B138-EP-0.3			Acetate Sleeve	1	Ice	Soil		✓	48 HR
24	B138-EP-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
25	B138-1.5-0			Acetate Sleeve	1	Ice	Soil			48 HR
26	B138-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
27	B138-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
28	B138-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
29	B138-3-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
30	B138-3-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
31	B137-EP-0		14:45	Acetate Sleeve	1	Ice	Soil			48 HR
32	B137-EP-.3			Acetate Sleeve	1	Ice	Soil			48 HR
33	B137-EP-.6			Acetate Sleeve	1	Ice	Soil			48 HR
34	B137-EP-.9			Acetate Sleeve	1	Ice	Soil			48 HR
35	B136-EP-0		14:55	Acetate Sleeve	1	Ice	Soil			48 HR
36	B136-EP-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
37	B136-EP-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
38	B156-3-0		12:05	Acetate Sleeve	1	Ice	Soil			48 HR
39	↓ ↓ -0.3			Acetate Sleeve	1	Ice	Soil			48 HR
40	↓ ↓ -0.6			Acetate Sleeve	1	Ice	Soil			48 HR

Relinquished By: Joyce Cheng
Print Name: Joyce Cheng
Date: 01/13/03
Time: 1600

Received By: [illegible]
Print Name: Will Fleming
Date: 01/03/03
Time: 16:20

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

Company:
IT Corporation
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Sacramento, CA 95834
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15342

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IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5D TAT
✓ 1	B160-1.5-0	01/13/03	1215	Baggie	1	Ice	Soil	X		48 HR
2	-0.3		1215	Baggie	1	Ice	Soil			48 HR
3	-0.6		1215	Baggie	1	Ice	Soil		X	48 HR
✓ 4	B160-3 -0		1240	Baggie	1	Ice	Soil	X		48 HR
5	-0.3		1255	Baggie	1	Ice	Soil			48 HR
6	-0.6		1310	Baggie	1	Ice	Soil			48 HR
7	NO samples			Baggie	1	Ice	Soil			48 HR
8				Baggie	1	Ice	Soil			48 HR
9				Baggie	1	Ice	Soil			48 HR
10				Baggie	1	Ice	Soil			48 HR
11				Baggie	1	Ice	Soil			48 HR
12				Baggie	1	Ice	Soil			48 HR
13				Baggie	1	Ice	Soil			48 HR
14				Baggie	1	Ice	Soil			48 HR
15				Baggie	1	Ice	Soil			48 HR
16				Baggie	1	Ice	Soil			48 HR
17				Baggie	1	Ice	Soil			48 HR
18				Baggie	1	Ice	Soil			48 HR
19				Baggie	1	Ice	Soil			48 HR
20				Baggie	1	Ice	Soil			48 HR
21				Baggie	1	Ice	Soil			48 HR
22				Baggie	1	Ice	Soil			48 HR
23				Baggie	1	Ice	Soil			48 HR
24				Baggie	1	Ice	Soil			48 HR
25				Baggie	1	Ice	Soil			48 HR
26				Baggie	1	Ice	Soil			48 HR
27				Baggie	1	Ice	Soil			48 HR
28				Baggie	1	Ice	Soil			48 HR
29				Baggie	1	Ice	Soil			48 HR
30				Baggie	1	Ice	Soil			48 HR
31				Baggie	1	Ice	Soil			48 HR
32				Baggie	1	Ice	Soil			48 HR
33				Baggie	1	Ice	Soil			48 HR
34				Baggie	1	Ice	Soil			48 HR
35				Baggie	1	Ice	Soil			48 HR
36				Baggie	1	Ice	Soil			48 HR
37				Baggie	1	Ice	Soil			48 HR
38				Baggie	1	Ice	Soil			48 HR
39				Baggie	1	Ice	Soil			48 HR
40				Baggie	1	Ice	Soil			48 HR

NO samples

Reliquished By: [signature]
Print Name: Joyce Chiang
Date: 01/13/03
Time: 1600

Received By: [signature]
Print Name: Will Fleming
Date: 01/13/03
Time: 16:20

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15343 841855 Caltrans SR680 Sunol
Received	01/15/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15343 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15343001	B54-EP-0	8.52	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343002	B54-EP-0.3	199	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343003	B54-EP-0.6	4.68	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343004	B53-EP-00	13.3	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343005	B53-EP-0.3	6.97	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343006	B53-EP-0.6	8.48	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343007	B53-EP-0.9	7.68	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343008	B53-1.5-0	23.5	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343009	B53-1.5-0.3	9.46	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343010	B53-1.5-0.6	7.91	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343011	B53-3-0	8.16	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343012	B53-3-0.3	8.94	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343013	B53-3-0.6	9.48	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343014	B52-EP-0	83.6	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343015	B52-EP-0.3	9.26	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343016	B52-EP-0.6	6.64	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343017	B51-EP-0	163	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343018	B51-EP-0.3	3.64	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343019	B51-EP-0.6	2.51	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343020	B51-1.5-0	6.16	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343021	B51-1.5-0.3	9.81	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343022	B51-1.5-0.6	34.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343023	B50-EP-0	18.4	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343024	B50-EP-0.3	8.86	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343025	B50-EP-0.6	6.28	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343026	B50-EP-0.9	4.98	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343027	B50-1.5-0	6.68	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343028	B50-1.5-0.3	5.64	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343029	B50-1.5-0.6	4.19	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343030	B50-3-0	8.23	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343031	B50-3-0.3	6.95	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343032	B50-3-0.6	5.00	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343033	B49-EP-0	19.9	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343034	B49-EP-0.3	6.88	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15343 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15343035	B49-EP-0.6	11.3	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343036	B49-1.5-0	16.9	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343037	B49-1.5-0.3	9.01	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343038	B49-1.5-0.6	6.03	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343039	B49-3-0	5.37	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343040	B49-3-0.3	5.57	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343041	B49-3-0.6	7.68	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343042	B48-EP-0	71.6	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343043	B48-EP-0.3	4.54	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343044	B48-EP-0.6	5.04	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343045	B48-1.5-0	5.98	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343046	B48-1.5-0.3	4.45	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343047	B48-1.5-0.6	9.01	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343048	B48-3-0	4.36	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343049	B48-3-0.3	5.63	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343050	B48-3-0.6	3.74	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343051	B47-EP-0	4.51	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343052	B47-EP-0.3	ND	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343053	B47-EP-0.6	8.04	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343054	B47-1.5-0	9.10	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343055	B47-1.5-0.3	6.73	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343056	B47-1.5-0.6	7.96	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343057	B47-3-0	16.1	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343058	B47-3-0.3	5.62	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343059	B47-3-0.6	6.95	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343060	B42-EP-0	388	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343061	B42-EP-0.3	6.42	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343062	B42-EP-0.6	6.77	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343063	B42-1.5-0	15.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343064	B42-1.5-0.3	6.35	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343065	B42-1.5-0.6	6.74	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343066	B41-EP-0	45.0	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343067	B41-EP-0.3	6.42	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343068	B41-EP-0.6	7.61	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15343 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15343069	B41-EP-0.9	6.19	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343070	B41-1.5-0	6.50	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343071	B41-1.5-0.3	7.94	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343072	B41-1.5-0.6	7.34	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343073	B40-EP-0	35.4	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343074	B40-EP-0.3	11.3	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343075	B40-EP-0.6	7.15	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343076	B40-1.5-0	8.55	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343077	B40-1.5-0.3	9.48	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343078	B40-1.5-0.6	7.07	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343079	B40-3-0	47.6	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343080	B40-3-0.3	12.1	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343081	B40-3-0.6	17.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343082	B135-EP-0	26.1	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343083	B135-EP-0.3	13.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343084	B135-EP-0.6	22.5	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343085	B134-EP-0	12.6	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343086	B134-EP-0.3	14.9	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343087	B134-EP-0.6	28.6	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343088	B134-EP-0.9	7.12	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343089	B127-EP-0	13.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343090	B127-EP-0.3	7.16	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343091	B127-EP-0.6	8.85	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343092	B127-1.5-0	15.9	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343093	B127-1.5-0.3	7.95	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343094	B127-1.5-0.6	8.85	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343095	B126-EP-0	33.0	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343096	B126-EP-0.3	8.54	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343097	B126-EP-0.6	6.79	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343098	B126-1.5-0	43.9	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343099	B126-1.5-0.3	10.3	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343100	B126-1.5-0.6	6.59	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343101	B126-3-0	30.5	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343102	B126-3-0.3	8.00	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15343 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15343103	B126-3-0.6	7.19	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343104	B123-EP-0	23.9	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343105	B123-EP-0.3	7.82	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343106	B123-EP-0.6	5.67	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343107	B123-1.5-0	36.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343108	B123-1.5-0.3	7.96	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343109	B123-1.5-0.6	7.80	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343110	B125-EP-0	181	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343111	B125-EP-0.3	8.07	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343112	B125-EP-0.6	8.76	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343113	B125-EP-0.9	8.01	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343114	B122-EP-0	64.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343115	B122-EP-0.3	14.1	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343116	B122-EP-0.6	5.79	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343117	B122-EP-0.9	7.34	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343118	B124-EP-0	83.4	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343119	B124-EP-0.3	89.5	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343120	B124-EP-0.6	17.4	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343121	B121-EP-0	23.7	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343122	B121-EP-0.3	27.9	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343123	B121-EP-0.6	11.5	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343124	B119-EP-0	1110	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343125	B119-EP-0.3	1440	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343126	B119-EP-0.6	9.70	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343127	B118-EP-0	59.3	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343128	B118-EP-0.3	43.8	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343129	B118-EP-0.6	5.63	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343130	B117-EP-0	110	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343131	B117-EP-0.3	17.0	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343132	B117-EP-0.6	6.08	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343133	B116-EP-0	647	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343134	B116-EP-0.3	8.41	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343135	B116-EP-0.6	8.88	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343136	B116-1.5-0	13.4	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15343 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15343137	B116-1.5-0.3	4.06	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343138	B116-1.5-0.6	5.56	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343139	B116-1.5-0.9	5.44	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343140	B116-3-0	16.8	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343141	B116-3-0.3	4.79	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343142	B116-3-0.6	5.73	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343143	B115-EP-0	56.1	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343144	B115-EP-0.3	8.61	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343145	B115-EP-0.6	45.0	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343146	B115-1.5-0	122	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343147	B115-1.5-0.3	4.71	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343148	B115-1.5-0.6	5.03	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343149	B115-3-0	11.5	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343150	B115-3-0.3	5.30	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343151	B115-3-0.6	4.71	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343152	B111-EP-0	14.5	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343153	B111-EP-0.3	10.1	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343154	B111-EP-0.6	7.98	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343155	B111-1.5-0	18.0	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343156	B111-1.5-0.3	9.44	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343157	B111-1.5-0.6	8.71	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343158	B111-3-0	29.8	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343159	B111-3-0.3	11.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343160	B111-3-0.6	4.53	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343161	B110-EP-0	5.33	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343162	B110-EP-0.3	6.98	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343163	B110-EP-0.6	6.16	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343164	B110-EP-0.9	5.83	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343165	B98-EP-0	5.64	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343166	B98-EP-0.3	6.92	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343167	B98-EP-0.6	4.23	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343168	B98-EP-0.9	5.21	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343169	B99-EP-0	369	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343170	B99-EP-0.3	7.44	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15343 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15343171	B99-EP-0.6	31.6	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343172	B99-1.5-0	30.4	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343173	B99-1.5-0.3	6.64	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343174	B99-1.5-0.6	5.40	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343175	B97-EP-0	2110	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343176	B97-EP-0.3	5.50	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343177	B97-EP-0.6	5.50	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343178	B97-1.5-0	182	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343179	B97-1.5-0.3	155	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343180	B97-1.5-0.6	34.6	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343181	B96-EP-0	165	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343182	B96-EP-0.3	5.44	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343183	B96-EP-0.6	4.49	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343184	B94-EP-0	61.5	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343185	B94-EP-0.3	4.70	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343186	B94-EP-0.6	5.18	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343187	B94-EP-0.9	4.80	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343188	B93-EP-0	359	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343189	B93-EP-0.3	7.08	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343190	B93-EP-0.6	5.98	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343191	B92-EP-0	15.7	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343192	B92-EP-0.3	5.92	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343193	B92-EP-0.6	7.04	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343194	B81-PS-0.3	5.71	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343195	B81-PS-0.6	15.2	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1
15343196	B81-PS-0.9	5.36	1.0	mg/Kg	01/14/03	01/18/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15343 **Workorder ID** 841855 Caltrans SR680 Sunol

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15343004	B53-EP-00	8.1	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343015	B52-EP-0.3	7.9	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343029	B50-1.5-0.6	8.8	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343045	B48-1.5-0	8.9	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343055	B47-1.5-0.3	8.5	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343069	B41-EP-0.9	8.2	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343078	B40-1.5-0.6	8.4	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343084	B135-EP-0.6	7.3	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343096	B126-EP-0.3	6.9	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343110	B125-EP-0	7.5	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343130	B117-EP-0	9.9	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343139	B116-1.5-0.9	8.4	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343148	B115-1.5-0.6	8.8	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343159	B111-3-0.3	8.7	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343162	B110-EP-0.3	8.6	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343177	B97-EP-0.6	8.6	0.10	SU	01/14/03	01/15/03	Soil	1:1
15343192	B92-EP-0.3	7.2	0.10	SU	01/14/03	01/15/03	Soil	1:1

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Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15348 841885 SR680 Sunol Grade
Received	01/17/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15348 **Workorder ID** 841885 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15348001	B160-PS-0.3	9.1	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348009	B153-PS-0.9	7.8	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348020	B149-EP-0	6.7	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348030	B147-EP-0.6	7.8	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348037	B129-PS-0.6	5.5	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348048	B157-PS-0.3	7.6	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348061	B161-6-0.9	8.3	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348065	B146-EP-0.9	8.1	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348073	B144-PS-0.6	8.2	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348084	B141-EP-0.3	8.5	0.10	SU	01/15/03	01/17/03	Soil	1:1
15348097	B130-1.5-0	7.5	0.10	SU	01/15/03	01/17/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15348 **Workorder ID** 841885 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15348001	B160-PS-0.3	7.05	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348002	B160-PS-0.6	7.43	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348003	B156-PS-0.3	12.8	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348004	B156-PS-0.6	11.9	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348005	B154-PS-0.3	8.93	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348006	B154-PS-0.6	11.5	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348007	B153-PS-0.3	6.24	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348008	B153-PS-0.6	12.1	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348009	B153-PS-0.9	6.29	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348010	B151-PS-0.3	4.87	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348011	B151-PS-0.6	10.1	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348012	B150-1.5-0	25.8	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348013	B150-1.5-0.3	58.4	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348014	B150-1.5-0.6	29.4	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348015	B150-3-0	82.2	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348016	B150-3-0.3	85.9	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348017	B150-3-0.6	52.0	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348018	B150-PS-0.3	3.97	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348019	B150-PS-0.6	53.0	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348020	B149-EP-0	491	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348021	B149-EP-0.3	38.4	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348022	B149-EP-0.6	10.0	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348023	B148-EP-0	253	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348024	B148-EP-0.3	20.9	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348025	B148-EP-0.6	216	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348026	B148-PS-0.3	8.04	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348027	B148-PS-0.6	58.8	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348028	B147-EP-0	79.9	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348029	B147-EP-0.3	13.2	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348030	B147-EP-0.6	15.0	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348031	B147-PS-0.3	4.38	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348032	B147-PS-0.6	13.6	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348033	B143-EP-0	1330	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348034	B143-EP-0.3	93.2	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15348 **Workorder ID** 841885 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15348035	B143-EP-0.6	6.89	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348036	B129-PS-0.3	10.3	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348037	B129-PS-0.6	8.62	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348038	B129-PS-0.9	7.28	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348039	B129-EP-0	6.41	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348040	B129-EP-0.3	6.40	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348041	B129-EP-0.6	6.82	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348042	B129-1.5-0	6.64	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348043	B129-1.5-0.3	6.99	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348044	B129-1.5-0.6	7.79	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348045	B129-3-0	7.78	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348046	B129-3-0.3	6.73	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348047	B129-3-0.6	6.72	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348048	B157-PS-0.3	8.65	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348049	B157-PS-0.6	11.0	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348050	B157-PS-0.9	12.1	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348051	B161-EP-0	10.0	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348052	B161-EP-0.3	4.34	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348053	B161-EP-0.6	8.33	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348054	B161-3-0	31.6	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348055	B161-3-0.3	9.72	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348056	B161-3-0.6	9.33	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348057	B161-3-0.9	13.3	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348058	B161-6-0	8.69	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348059	B161-6-0.3	10.7	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348060	B161-6-0.6	6.87	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348061	B161-6-0.9	10.2	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348062	B146-EP-0	22.2	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348063	B146-EP-0.3	56.6	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348064	B146-EP-0.6	65.2	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348065	B146-EP-0.9	91.3	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348066	B145-EP-0	205	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348067	B145-EP-0.3	15.2	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348068	B145-EP-0.6	8.40	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15348 **Workorder ID** 841885 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15348069	B145-PS-0.3	45.6	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348070	B145-PS-0.6	10.5	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348071	B145-PS-0.9	5.98	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348072	B144-PS-0.3	7.60	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348073	B144-PS-0.6	147	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348074	B142-PS-0.3	11.9	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348075	B142-PS-0.6	6.28	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348076	B142-EP-0	862	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348077	B142-EP-0.3	659	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348078	B142-EP-0.6	6.43	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348079	B142-EP-0.9	6.89	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348080	B141-PS-0.3	5.68	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348081	B141-PS-0.6	4.47	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348082	B141-PS-0.9	7.57	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348083	B141-EP-0	558	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348084	B141-EP-0.3	6.28	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348085	B141-EP-0.6	6.00	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348086	B140-EP-0	561	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348087	B140-EP-0.3	27.9	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348088	B140-EP-0.6	20.9	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348089	B139-PS-0.3	7.61	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348090	B139-PS-0.6	6.31	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348091	B130-PS-0.3	6.33	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348092	B130-PS-0.6	12.4	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348093	B130-EP-0	24.0	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348094	B130-EP-0.3	6.92	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348095	B130-EP-0.6	8.27	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348096	B130-EP-0.9	8.35	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348097	B130-1.5-0	9.52	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348098	B130-1.5-0.3	8.05	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348099	B130-1.5-0.6	8.10	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348100	B130-3-0	31.8	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348101	B130-3-0.3	11.2	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1
15348102	B130-3-0.6	9.71	1.0	mg/Kg	01/15/03	01/22/03	Soil	1:1

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CHAIN OF CUSTODY

A Floor

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
✓ 1	B160-PS-0.3	1/15/03	10:15	Acetate Sleeve	1	Ice	Soil		X	5-Day
✓ 2	B160-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 3	B156-PS-0.3		11:00	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 4	B156-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 5	B154-PS-0.3		11:26	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 6	B154-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 7	B153-PS-0.3		11:38	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 8	B153-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 9	B153-PS-0.9		↓	Acetate Sleeve	1	Ice	Soil		X	5-Day
✓ 10	B151-PS-0.3		11:53	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 11	B151-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 12	B150-1.5-0		12:08	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 13	B150-1.5-.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 14	B150-1.5-.6			Acetate Sleeve	1	Ice	Soil			5-Day
✓ 15	B150-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
✓ 16	B150-3-.3			Acetate Sleeve	1	Ice	Soil			5-Day
✓ 17	B150-3-.6			Acetate Sleeve	1	Ice	Soil			5-Day
✓ 18	B150-PS-.3			Acetate Sleeve	1	Ice	Soil			5-Day
✓ 19	B150-PS-.6			Acetate Sleeve	1	Ice	Soil			5-Day
✓ 20	B149-EP-0		12:27	Acetate Sleeve	1	Ice	Soil		X	5-Day
✓ 21	B149-EP-.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 22	B149-EP-.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 23	B148-EP-0		12:33	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 24	B148-EP-.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 25	B148-EP-.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 26	B148-PS-.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 27	B148-PS-.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
NO 28	~~B148~~			~~Acetate Sleeve~~	~~1~~	~~Ice~~	~~Soil~~			~~5-Day~~ NO
✓ 29	B147-EP-0		12:52	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 30	B147-EP-.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 31	B147-EP-.6		↓	Acetate Sleeve	1	Ice	Soil		X	5-Day
✓ 32	B147-PS-.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 33	B147-PS-.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
NO 34	~~B147-PS~~			~~Acetate Sleeve~~	~~1~~	~~Ice~~	~~Soil~~			~~5-Day~~ NO
✓ 35	B143-EP-0		13:05	Acetate Sleeve	1	Ice	Soil			5-Day
✓ 36	B143-EP-.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
35 ✓ 37	B143-EP-.6		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39		↓		Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: Joyce Cheng
Print Name: Joyce Cheng
Date: 01/15/03
Time: 1630

Received By: [signature]
Print Name: Will Fleming
Date: 1-15-03
Time: 16:50

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15348

Company:
IT Corporation
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Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B129-PS-0.3	1/15/03	14:00	Acetate Sleeve	1	Ice	Soil			5-Day
2	B129-PS-0.6			Acetate Sleeve	1	Ice	Soil		X	5-Day
3	B129-PS-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
4	B129-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
5	B129-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	B129-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
7	B129-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
8	B129-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
9	B129-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
10	B129-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
11	B129-3-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
12	B129-3-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
13	B157-PS-0.3		14:30	Acetate Sleeve	1	Ice	Soil		X	5-Day
14	B157-PS-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
15	B157-PS-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
16	~~B130~~			Acetate Sleeve	1	Ice	Soil			5-Day
17				Acetate Sleeve	1	Ice	Soil			5-Day
18				Acetate Sleeve	1	Ice	Soil			5-Day
19				Acetate Sleeve	1	Ice	Soil			5-Day
20				Acetate Sleeve	1	Ice	Soil			5-Day
21				Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil			5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Relinquished By: Jorge Chen
Print Name: Jorge CHEN
Date: 01/15/03
Time: 1630

Received By: [illegible]
Print Name: WILFlemmy
Date: 1-15-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15348

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

(Jc)	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	~~B160~~ B161-EP-0	01/15/03	1430	Acetate Sleeve	1	Ice	Soil	X		5-Day
2	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	B161-3-0		1440	Acetate Sleeve	1	Ice	Soil	X		5-Day
5	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
7	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
8	B161-6-0		X	Acetate Sleeve	1	Ice	Soil	X		5-Day
9	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
10	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
11	-0.9			Acetate Sleeve	1	Ice	Soil		X	5-Day
12				Acetate Sleeve	1	Ice	Soil			5-Day
13				Acetate Sleeve	1	Ice	Soil			5-Day
14				Acetate Sleeve	1	Ice	Soil			5-Day
15				Acetate Sleeve	1	Ice	Soil			5-Day
16				Acetate Sleeve	1	Ice	Soil			5-Day
17				Acetate Sleeve	1	Ice	Soil			5-Day
18				Acetate Sleeve	1	Ice	Soil			5-Day
19				Acetate Sleeve	1	Ice	Soil			5-Day
20				Acetate Sleeve	1	Ice	Soil			5-Day
21				Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil			5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Relinquished By: Joyce Chang
Print Name: JOYCE CHANG
Date: 01/15/03
Time: 1630

Received By: [signature]
Print Name: WIL FRENY
Date: 1-15-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15348

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
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3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B146-EP-0	01/15/03	1040	Acetate Sleeve	1	Ice	Soil	X		5-Day
2	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	-0.9			Acetate Sleeve	1	Ice	Soil		X	5-Day
5	B145-EP-0		1050	Acetate Sleeve	1	Ice	Soil	X		5-Day
6	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
7	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
8	B145-PS-0.3		1100	Acetate Sleeve	1	Ice	Soil	X		5-Day
9	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
10	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
11	B144-~~EP~~ PS-0.3		1145	Acetate Sleeve	1	Ice	Soil	X		5-Day
12	-0.6			Acetate Sleeve	1	Ice	Soil		X	5-Day
13	B142-PS-0.3		1155	Acetate Sleeve	1	Ice	Soil	X		5-Day
14	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
15	B142-EP-0		1205	Acetate Sleeve	1	Ice	Soil	X		5-Day
16	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
17	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
18	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
19	B141-PS-0.3		1220	Acetate Sleeve	1	Ice	Soil	X		5-Day
20	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
21	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
22	B141-EP-0		1235	Acetate Sleeve	1	Ice	Soil	X		5-Day
23	-0.3			Acetate Sleeve	1	Ice	Soil		X	5-Day
24	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
25	B140-EP-0		1245	Acetate Sleeve	1	Ice	Soil	X		5-Day
26	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
27	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
28	B139-PS-0.3		1300	Acetate Sleeve	1	Ice	Soil	X		5-Day
29	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
30	B130-PS-0.3		1340	Acetate Sleeve	1	Ice	Soil	X		5-Day
31	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
32	B130-EP-0		1350	Acetate Sleeve	1	Ice	Soil	X		5-Day
33	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
34	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
35	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
36	B130-1.5-0		1400	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
37	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
38	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
39	B130-S-0		1410	Acetate Sleeve	1	Ice	Soil	X		5-Day
40	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
41	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: Joyce Chen
Print Name: JOYCE CHENG
Date: 01/15/03
Time: 1630

Received By: [signature]
Print Name: WIL HUNT
Date: 1-16-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15350 841855 SR680 Sunol Grade
Received	01/17/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15350 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15350001	B84-PS-0.3	9.6	0.10	SU	01/16/03	01/17/03	Soil	1:1
15350019	B117-PS-0.6	9.0	0.10	SU	01/16/03	01/17/03	Soil	1:1
15350021	B83-EP-0	8.2	0.10	SU	01/16/03	01/17/03	Soil	1:1
15350036	B114-EP-0.6	11.9	0.10	SU	01/16/03	01/17/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15350 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15350001	B84-PS-0.3	1.81	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350002	B84-PS-0.6	ND	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350003	B84-EP-0	114	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350004	B84-EP-0.3	50.1	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350005	B84-EP-0.6	7.06	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350006	B84-1.5-0	11.1	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350007	B84-1.5-0.3	5.16	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350008	B84-1.5-0.6	12.8	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350009	B84-1.5-0.9	8.77	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350010	B121-PS-0.3	114	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350011	B121-PS-0.6	6.49	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350012	B121-PS-0.9	6.18	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350013	B120-PS-0.3	14.9	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350014	B120-PS-0.6	9.30	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350015	B120-EP-0	116	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350016	B120-EP-0.3	9.30	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350017	B120-EP-0.6	11.8	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350018	B117-PS-0.3	39.8	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350019	B117-PS-0.6	23.1	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350020	B117-PS-0.9	7.18	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350021	B83-EP-0	6.09	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350022	B83-EP-0.3	7.17	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350023	B83-EP-0.6	5.79	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350024	B83-1.5-0	13.0	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350025	B83-1.5-0.3	6.57	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350026	B83-1.5-0.6	6.42	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350027	B138-PS-0.3	10.9	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350028	B138-PS-0.6	6.31	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350029	B138-PS-0.9	6.51	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350030	B136-PS-0.3	3.33	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350031	B136-PS-0.6	7.75	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350032	B135-PS-0.3	4.58	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350033	B135-PS-0.6	16.7	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350034	B114-EP-0	9.39	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15350 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15350035	B114-EP-0.3	4.91	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1
15350036	B114-EP-0.6	5.77	1.0	mg/Kg	01/16/03	01/22/03	Soil	1:1

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CHAIN OF CUSTODY

A Floor

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

15350

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B84-PS-0.3	01/16/03	1100	Acetate Sleeve	1	Ice	Soil	X	✓	5-Day
2	-0.6	↓	↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
3	~~B84~~-EP-0.		1110	Acetate Sleeve	1	Ice	Soil	X		5-Day
4	-0.3		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
5	-0.6		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
6	B84-1.5-0		1120	Acetate Sleeve	1	Ice	Soil	X		5-Day
7	-0.3		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
8	-0.6		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
9	-0.9		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
10	B121-PS-0.3		1220	Acetate Sleeve	1	Ice	Soil	X		5-Day
11	-0.6		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
12	-0.9		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
13	B120-PS-0.3		1235	Acetate Sleeve	1	Ice	Soil	X		5-Day
14	-0.6		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
15	B120-EP-0		1245	Acetate Sleeve	1	Ice	Soil	X		5-Day
16	-0.3		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
17	-0.6		↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
18	B117-PS-0.3		1350	Acetate Sleeve	1	Ice	Soil	X		5-Day
19	-0.6		↓	Acetate Sleeve	1	Ice	Soil	↓	✓	5-Day
20	-0.9	↓	↓	Acetate Sleeve	1	Ice	Soil	↓		5-Day
21				Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil			5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

JC 01/16/03

Relinquished By: [signature]
Print Name: Joyce Catala
Date: 01/16/03
Time: 1510

Received By: [signature]
Print Name: W. Fleming
Date: 1-16-03
Time: 1510

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15350

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

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Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B83-EP-0	1/16/03	11:11	Acetate Sleeve	1	Ice	Soil		✓	5-Day
2	B83-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	B83-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	B83-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
5	B83-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	B83-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
7	B138-P.5-0.3		12:15	Acetate Sleeve	1	Ice	Soil			5-Day
8	B138-P.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
9	B138-P.5-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
10	B136-P.5-0.3		12:30	Acetate Sleeve	1	Ice	Soil			5-Day
11	B136-P.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
12	B135-P5-0.3		12:55	Acetate Sleeve	1	Ice	Soil			5-Day
13	B135-P5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
14	B114-EP-0		13:30	Acetate Sleeve	1	Ice	Soil			5-Day
15	B114-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
16	B114-EP-0.6			Acetate Sleeve	1	Ice	Soil		✓	5-Day
17				Acetate Sleeve	1	Ice	Soil			5-Day
18				Acetate Sleeve	1	Ice	Soil			5-Day
19				Acetate Sleeve	1	Ice	Soil			5-Day
20				Acetate Sleeve	1	Ice	Soil			5-Day
21				Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil	01/16/03		5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: Joyce Cheng
Print Name: Joyce Cheng
Date: 01/16/03
Time: 1510 (JC)

Received By: [signature]
Print Name: Will Flemming
Date: 1-16-03
Time: 1510

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15353 841855 SR680 Sunol Grade
Received	01/20/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15353 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15353001	B161-1.5-0	8.2	0.10	SU	01/17/03	01/21/03	Soil	1:1
15353018	B106-PS-0.6	8.7	0.10	SU	01/17/03	01/21/03	Soil	1:1
15353039	B100-1.5-0.9	8.4	0.10	SU	01/17/03	01/21/03	Soil	1:1
15353043	B94-PS-0.3	9.4	0.10	SU	01/17/03	01/21/03	Soil	1:1
15353048	B112-PS-0.3	9.0	0.10	SU	01/17/03	01/21/03	Soil	1:1
15353068	B101-EP-0.9	8.7	0.10	SU	01/17/03	01/21/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15353 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15353001	B161-1.5-0	32.3	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353002	B161-1.5-0.3	21.4	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353003	B161-1.5-0.6	11.1	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353004	B157-EP-0	19.0	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353005	B157-EP-0.3	7.44	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353006	B157-EP-0.6	10.5	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353007	B113-EP-0	11.2	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353008	B113-EP-0.3	17.4	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353009	B113-EP-0.6	9.35	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353010	B113-EP-0.9	4.06	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353011	B107-EP-0	35.1	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353012	B107-EP-0.3	5.73	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353013	B107-EP-0.6	8.08	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353014	B107-1.5-0	82.6	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353015	B107-1.5-0.3	6.24	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353016	B107-1.5-0.6	5.75	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353017	B106-PS-0.3	7.09	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353018	B106-PS-0.6	4.54	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353019	B106-EP-0	97.5	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353020	B106-EP-0.3	6.72	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353021	B106-EP-0.6	5.80	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353022	B106-1.5-0	126	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353023	B106-1.5-0.3	11.9	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353024	B106-1.5-0.6	6.08	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353025	B105-PS-0.3	6.24	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353026	B105-PS-0.6	5.52	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353027	B105-PS-0.9	6.31	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353028	B105-EP-0	56.5	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353029	B105-EP-0.3	3.75	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353030	B105-EP-0.9	6.03	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353031	B100-PS-0.3	8.23	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353032	B100-PS-0.6	3.88	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353033	B100-EP-0	73.0	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353034	B100-EP-0.3	12.0	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15353 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15353035	B100-EP-0.6	14.0	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353036	B100-1.5-0	20.8	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353037	B100-1.5-0.3	11.6	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353038	B100-1.5-0.6	5.67	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353039	B100-1.5-0.9	5.11	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353040	B95-EP-0	1090	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353041	B95-EP-0.3	17.2	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353042	B95-EP-0.6	8.33	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353043	B94-PS-0.3	4.73	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353044	B94-PS-0.6	5.54	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353045	B93-PS-0.3	4.64	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353046	B93-PS-0.6	5.10	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353047	B93-PS-0.9	7.94	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353048	B112-PS-0.3	8.84	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353049	B112-PS-0.6	6.66	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353050	B112-EP-0	147	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353051	B112-EP-0.3	56.1	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353052	B112-EP-0.6	24.1	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353053	B112-1.5-0	7.30	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353054	B112-1.5-0.3	5.63	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353055	B112-1.5-0.6	4.90	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353056	B112-3-0	7.94	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353057	B112-3-0.3	6.27	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353058	B112-3-0.6	6.96	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353059	B104-EP-0	17.5	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353060	B104-EP-0.3	5.57	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353061	B104-EP-0.6	4.78	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353062	B103-EP-0	29.0	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353063	B103-EP-0.3	57.9	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353064	B103-EP-0.6	51.8	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353065	B101-EP-0	4.92	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353066	B101-EP-0.3	5.92	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353067	B101-EP-0.6	5.62	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353068	B101-EP-0.9	5.66	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15353 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15353069	B96-PS-0.3	3.73	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1
15353070	B96-PS-0.6	5.20	1.0	mg/Kg	01/17/03	01/24/03	Soil	1:1

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CHAIN OF CUSTODY

15353

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

"A" Floor

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B161-1.5-0	01/17/03	0915	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
2	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	B157-EP-0		0945	Acetate Sleeve	1	Ice	Soil	X		5-Day
5	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
7	B113-EP-0		1115	Acetate Sleeve	1	Ice	Soil	X		5-Day
8	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
9	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
10	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
11	B107-EP-0		1140	Acetate Sleeve	1	Ice	Soil	X		5-Day
12	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
13	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
14	B107-1.5-0		1150	Acetate Sleeve	1	Ice	Soil	X		5-Day
15	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
16	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
17	B106-PS-0.3		1210	Acetate Sleeve	1	Ice	Soil	X		5-Day
18	-0.6			Acetate Sleeve	1	Ice	Soil		X	5-Day
19	B106-EP-0		1220	Acetate Sleeve	1	Ice	Soil	X		5-Day
20	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
21	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
22	B106-1.5-0		1230	Acetate Sleeve	1	Ice	Soil	X		5-Day
23	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
24	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
25	B105-PS-0.3		1245	Acetate Sleeve	1	Ice	Soil	X		5-Day
26	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
27	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
28	B105-EP-0		1255	Acetate Sleeve	1	Ice	Soil	X		5-Day
29	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
30	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
31	B100-PS-0.3		1310	Acetate Sleeve	1	Ice	Soil	X		5-Day
32	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
33	B100-EP-0		1330	Acetate Sleeve	1	Ice	Soil	X		5-Day
34	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
35	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
36	B100-1.5-0		1340	Acetate Sleeve	1	Ice	Soil	X		5-Day
37	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
38	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
39	-0.9			Acetate Sleeve	1	Ice	Soil		X	5-Day
40		JC 01/17/03		Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: [signature]
Print Name: JOYCE CHENG
Date: 01/17/03
Time: 1630

Received By: [signature]
Print Name: W. Flemmy
Date: 1-17-03
Time: 1630

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15353

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B95-EP-0	01/17/03	1410	Acetate Sleeve	1	Ice	Soil	X		5-Day
2	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	B94-PS-0.3		1430	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
5	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
6	B93-PS-0.3		1445	Acetate Sleeve	1	Ice	Soil	X		5-Day
7	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
8	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
9				Acetate Sleeve	1	Ice	Soil			5-Day
10				Acetate Sleeve	1	Ice	Soil			5-Day
11				Acetate Sleeve	1	Ice	Soil			5-Day
12				Acetate Sleeve	1	Ice	Soil			5-Day
13				Acetate Sleeve	1	Ice	Soil			5-Day
14				Acetate Sleeve	1	Ice	Soil			5-Day
15				Acetate Sleeve	1	Ice	Soil			5-Day
16				Acetate Sleeve	1	Ice	Soil			5-Day
17				Acetate Sleeve	1	Ice	Soil			5-Day
18				Acetate Sleeve	1	Ice	Soil			5-Day
19				Acetate Sleeve	1	Ice	Soil			5-Day
20				Acetate Sleeve	1	Ice	Soil			5-Day
21				Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil			5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34			01/17/03	Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36		JC		Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Relinquished By: [signature]
Print Name: JOYCE CHENG
Date: 01/17/03
Time: 1630

Received By: [signature]
Print Name: Will Fleming
Date: 1-17-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15353

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
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Send Results To:
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IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B112-BS-0.3	1/17/03	11:30	Acetate Sleeve	1	Ice	Soil		✓	5-Day
2	B112-PS-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
3	B112-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
4	B112-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
5	B112-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
6	B112-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
7	B112-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
8	B112-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
9	B112-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
10	B112-3-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
11	B112-3-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
12	B104-EP-0		1300	Acetate Sleeve	1	Ice	Soil			5-Day
13	B104-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
14	B104-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
15	B103-EP-0		1323	Acetate Sleeve	1	Ice	Soil			5-Day
16	B103-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
17	B103-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
18	B101-EP-0		1400	Acetate Sleeve	1	Ice	Soil			5-Day
19	B101-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
20	B101-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
21	B101-EP-0.9			Acetate Sleeve	1	Ice	Soil		✓	5-Day
22	B96-PS-0.3		14:40	Acetate Sleeve	1	Ice	Soil			5-Day
23	B96-PS-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: Joyce Cheng
Print Name: JOYCE CHENG
Date: 01/17/03
Time: 1630

Received By: W. Flemmy
Print Name: WILFLEMMY
Date: 1-17-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15367 841855 SR680 Sunol Grade
Received	01/22/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15367 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15367001	B157-1.5-0	7.8	0.10	SU	01/20/03	01/22/03	Soil	1:1
15367008	B129-4.5-0.9	7.2	0.10	SU	01/20/03	01/22/03	Soil	1:1
15367024	B113-1.5-0.6	8.0	0.10	SU	01/20/03	01/22/03	Soil	1:1
15367035	B105-1.5-0.3	6.3	0.10	SU	01/20/03	01/22/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15367 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15367001	B157-1.5-0	13.2	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367002	B157-1.5-0.3	15.9	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367003	B157-1.5-0.6	41.9	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367004	B156-4.5-0	51.2	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367005	B129-4.5-0	23.7	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367006	B129-4.5-0.3	6.36	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367007	B129-4.5-0.6	5.90	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367008	B129-4.5-0.9	6.68	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367009	B131-EP-0	42.1	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367010	B131-EP-0.3	18.4	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367011	B131-EP-0.6	13.0	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367012	B131-1.5-0	63.1	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367013	B131-1.5-0.3	11.8	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367014	B131-1.5-0.6	10.7	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367015	B131-3-0	53.4	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367016	B131-3-0.3	7.65	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367017	B131-3-0.6	10.9	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367018	B131-6-0	68.1	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367019	B125-1.5-0	71.0	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367020	B125-1.5-0.3	8.74	1.0	mg/Kg	01/20/03	01/23/03	Soil	1:1
15367021	B125-1.5-0.6	7.61	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367022	B113-1.5-0	211	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367023	B113-1.5-0.3	37.2	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367024	B113-1.5-0.6	175	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367025	B113-3-0	89.4	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367026	B113-3-0.3	32.9	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367027	B113-6-0	205	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367028	B107-3-0	70.5	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367029	B107-3-0.3	5.93	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367030	B107-3-0.6	5.08	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367031	B107-6-0	44.6	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367032	B106-3-0	92.1	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367033	B106-3-0.3	12.3	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367034	B105-1.5-0	77.3	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15367 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15367035	B105-1.5-0.3	7.92	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367036	B105-1.5-0.6	41.9	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367037	B105-3-0	81.5	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367038	B105-3-0.3	10.1	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367039	B105-3-0.6	4.57	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1
15367040	B105-4.5-0	93.6	1.0	mg/Kg	01/20/03	01/24/03	Soil	1:1

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CHAIN OF CUSTODY

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

B Floor

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date 01/21/03	Time (JC)	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B157-1.5-0	~~01/20/03~~	0900	Baggie	1	Ice	Soil	X	X	5-Day
2	-0.3			Baggie	1	Ice	Soil			5-Day
3	-0.6			Baggie	1	Ice	Soil			5-Day
4	B156-4.5-0		1010	Baggie	1	Ice	Soil	X		5-Day
5	B129-4.5-0		1040	Baggie	1	Ice	Soil	X		5-Day
6	-0.3			Baggie	1	Ice	Soil			5-Day
7	-0.6			Baggie	1	Ice	Soil			5-Day
8	-0.9			Baggie	1	Ice	Soil		X	5-Day
9	B131-EP-0		1110	Baggie	1	Ice	Soil	X		5-Day
10	-0.3			Baggie	1	Ice	Soil			5-Day
11	-0.6			Baggie	1	Ice	Soil			5-Day
12	B131-1.5-0		1130	Baggie	1	Ice	Soil	X		5-Day
13	-0.3			Baggie	1	Ice	Soil			5-Day
14	-0.6			Baggie	1	Ice	Soil			5-Day
15	B131-3-0		1140	Baggie	1	Ice	Soil	X		5-Day
16	-0.3			Baggie	1	Ice	Soil			5-Day
17	-0.6			Baggie	1	Ice	Soil			5-Day
18	B131-6-0		1150	Baggie	1	Ice	Soil	X		5-Day
19	B125-1.5-0		1210	Baggie	1	Ice	Soil	X		5-Day
20	-0.3			Baggie	1	Ice	Soil			5-Day
21	-0.6			Baggie	1	Ice	Soil			5-Day
22	B113-1.5-0		1225	Baggie	1	Ice	Soil	X		5-Day
23	-0.3			Baggie	1	Ice	Soil			5-Day
24	-0.6			Baggie	1	Ice	Soil		X	5-Day
25	B113-3-0		1235	Baggie	1	Ice	Soil	X		5-Day
26	-0.3			Baggie	1	Ice	Soil			5-Day
27	B113-6-0		1245	Baggie	1	Ice	Soil	X		5-Day
28	B107-3-0		1255	Baggie	1	Ice	Soil	X		5-Day
29	-0.3			Baggie	1	Ice	Soil			5-Day
30	-0.6			Baggie	1	Ice	Soil			5-Day
31	B107-6-0		1310	Baggie	1	Ice	Soil	X		5-Day
32	B106-3-0		1320	Baggie	1	Ice	Soil	X		5-Day
33	-0.3			Baggie	1	Ice	Soil			5-Day
34	B105-1.5-0		1445	Baggie	1	Ice	Soil	X		5-Day
35	-0.3			Baggie	1	Ice	Soil		X	5-Day
36	-0.6			Baggie	1	Ice	Soil			5-Day
37	B105-3-0		1455	Baggie	1	Ice	Soil	X		5-Day
38	-0.3			Baggie	1	Ice	Soil			5-Day
39	-0.6			Baggie	1	Ice	Soil			5-Day
40	B105-4.5-0		1510	Baggie	1	Ice	Soil	X		5-Day

Reliquished By: [signature]
Print Name: JOYCE CHERIE
Date: ~~01/20/03~~ 01/21/03 (JC)
Time: 1630

Received By: [signature]
Print Name: WILLIAM HENRY
Date: 1/21/03
Time: 16:30

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15368 841855 SR680 Sunol Grade
Received	01/23/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

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DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15368 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15368001	B100-3-0	87.8	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368002	B100-3-0.3	42.3	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368003	B100-3-0.6	11.2	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368004	B85-3-0	79.6	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368005	B85-3-0.3	41.8	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368006	B85-3-0.6	5.65	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368007	B84-3-0	97.4	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368008	B84-3-0.3	5.51	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368009	B84-3-0.6	12.4	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368010	B83-3-0	21.8	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368011	B83-3-0.3	8.16	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368012	B83-3-0.6	9.74	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368013	B83-6-0	21.3	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368014	B159-1.5-0	277	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368015	B159-1.5-0.3	40.4	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368016	B159-1.5-0.6	72.2	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368017	B159-3-0	178	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368018	B159-3-0.3	27.0	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368019	B159-3-0.6	26.7	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368020	B159-4.5-0	231	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368021	B158-1.5-0	126	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368022	B158-1.5-0.3	47.5	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368023	B158-1.5-0.6	26.4	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368024	B158-3-0	130	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368025	B158-3-0.3	21.3	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368026	B158-3-0.6	16.8	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368027	B158-6-0	76.9	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368028	B153-4.5-0	34.7	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368029	B152-6-0	35.9	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368030	B150-4.5-0	64.8	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368031	B149-1.5-0	78.5	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368032	B149-1.5-0.3	71.1	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368033	B149-1.5-0.6	28.9	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368034	B149-3-0	79.0	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15368 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15368035	B149-3-0.3	234	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368036	B149-3-0.6	39.6	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368037	B149-3-0.9	43.6	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368038	B149-6-0	60.3	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368039	B148-1.5-0	74.7	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368040	B148-1.5-0.3	47.0	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368041	B148-1.5-0.6	66.0	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368042	B148-3-0	79.8	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368043	B148-3-0.3	75.0	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368044	B148-3-0.6	13.4	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368045	B147-1.5-0	81.7	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368046	B147-1.5-0.3	40.5	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368047	B147-1.5-0.6	66.8	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368048	B147-3-0	119	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368049	B147-3-0.3	36.2	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368050	B147-3-0.6	76.0	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368051	B147-4.5-0	83.3	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368052	B147-4.5-0.3	30.0	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368053	B147-4.5-0.6	46.6	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368054	B147-4.5-0.9	46.2	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368055	B146-1.5-0	223	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368056	B146-1.5-0.3	45.8	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368057	B146-1.5-0.6	55.5	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368058	B146-3-0	217	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368059	B146-3-0.3	91.2	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368060	B146-3-0.6	121	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368061	B146-6-0	149	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368062	B146-6-0.3	71.3	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368063	B146-6-0.6	32.0	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1
15368064	B146-6-0.9	26.7	1.0	mg/Kg	01/22/03	01/29/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15368 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15368003	B100-3-0.6	7.4	0.10	SU	01/22/03	01/23/03	Soil	1:1
15368015	B159-1.5-0.3	7.8	0.10	SU	01/22/03	01/23/03	Soil	1:1
15368027	B158-6-0	8.0	0.10	SU	01/22/03	01/23/03	Soil	1:1
15368037	B149-3-0.9	8.1	0.10	SU	01/22/03	01/23/03	Soil	1:1
15368040	B148-1.5-0.3	8.3	0.10	SU	01/22/03	01/23/03	Soil	1:1
15368054	B147-4.5-0.9	8.4	0.10	SU	01/22/03	01/23/03	Soil	1:1

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A" FLOOR

CHAIN OF CUSTODY

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B100-3-0	01/22/03	0920	Baggie	1	Ice	Soil	X		5-Day
2	-0.3			Baggie	1	Ice	Soil			5-Day
3	-0.6			Baggie	1	Ice	Soil		X	5-Day
4	B85-3-0		0940	Baggie	1	Ice	Soil	X		5-Day
5	-0.3			Baggie	1	Ice	Soil			5-Day
6	-0.6			Baggie	1	Ice	Soil			5-Day
7	B84-3-0		0950	Baggie	1	Ice	Soil	X		5-Day
8	-0.3			Baggie	1	Ice	Soil			5-Day
9	-0.6			Baggie	1	Ice	Soil			5-Day
10	B83-3-0		1005	Baggie	1	Ice	Soil	X		5-Day
11	-0.3			Baggie	1	Ice	Soil			5-Day
12	-0.6			Baggie	1	Ice	Soil			5-Day
13	B83-6-0		1020	Baggie	1	Ice	Soil	X		5-Day
14	B159-1.5-0		1130	Baggie	1	Ice	Soil	X		5-Day
15	-0.3			Baggie	1	Ice	Soil		X	5-Day
16	-0.6			Baggie	1	Ice	Soil			5-Day
17	B159-3-0		1140	Baggie	1	Ice	Soil	X		5-Day
18	-0.3			Baggie	1	Ice	Soil			5-Day
19	-0.6			Baggie	1	Ice	Soil			5-Day
20	B159-4.5-0		1150	Baggie	1	Ice	Soil	X		5-Day
21	B158-1.5-0		1155	Baggie	1	Ice	Soil	X		5-Day
22	-0.3			Baggie	1	Ice	Soil			5-Day
23	-0.6			Baggie	1	Ice	Soil			5-Day
24	B158-3-0		1205	Baggie	1	Ice	Soil	X		5-Day
25	-0.3			Baggie	1	Ice	Soil			5-Day
26	-0.6			Baggie	1	Ice	Soil			5-Day
27	B158-6-0		1215	Baggie	1	Ice	Soil	X	X	5-Day
28	B153-4.5-0		1220	Baggie	1	Ice	Soil	X		5-Day
29	B152-6-0		1222	Baggie	1	Ice	Soil	X		5-Day
30	B150-4.5-0		1224	Baggie	1	Ice	Soil	X		5-Day
31	B149-1.5-0		1225	Baggie	1	Ice	Soil	X		5-Day
32	-0.3			Baggie	1	Ice	Soil			5-Day
33	-0.6			Baggie	1	Ice	Soil			5-Day
34	B149-3-0		1240	Baggie	1	Ice	Soil	X		5-Day
35	-0.3			Baggie	1	Ice	Soil			5-Day
36	-0.6			Baggie	1	Ice	Soil			5-Day
37	-0.9			Baggie	1	Ice	Soil		X	5-Day
38	B149-6-0		1245	Baggie	1	Ice	Soil	X		5-Day
39				Baggie	1	Ice	Soil			5-Day
40		01/22/03		Baggie	1	Ice	Soil			5-Day

Relinquished By: [signature]
Print Name: Joyce Cheng
Date: 01/22/03
Time: 1530

Received By: [signature]
Print Name: Will Flemming
Date: 1-22-03
Time: 15:30

Received By:
Print Name:
Date:
Time:

A F100V

CHAIN OF CUSTODY

Company:
IT Corporation
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Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
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Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B148 - 1.5 - 0	01/22/03	1250	Baggie	1	Ice	Soil	X		5-Day
2	- 0.3			Baggie	1	Ice	Soil		X	5-Day
3	- 0.6			Baggie	1	Ice	Soil			5-Day
4	B148 - 3 - 0		1310	Baggie	1	Ice	Soil	X		5-Day
5	- 0.3			Baggie	1	Ice	Soil			5-Day
6	- 0.6			Baggie	1	Ice	Soil			5-Day
7	B147 - 1.5 - 0		1325	Baggie	1	Ice	Soil	X		5-Day
8	- 0.3			Baggie	1	Ice	Soil			5-Day
9	- 0.6			Baggie	1	Ice	Soil			5-Day
10	B147 - 3 - 0		1340	Baggie	1	Ice	Soil	X		5-Day
11	- 0.3			Baggie	1	Ice	Soil			5-Day
12	- 0.6			Baggie	1	Ice	Soil			5-Day
13	B147 - 4.5 - 0		1355	Baggie	1	Ice	Soil	X		5-Day
14	- 0.3			Baggie	1	Ice	Soil			5-Day
15	- 0.6			Baggie	1	Ice	Soil			5-Day
16	- 0.9			Baggie	1	Ice	Soil		X	5-Day
17	B146 - 1.5 - 0		1405	Baggie	1	Ice	Soil	X		5-Day
18	- 0.3			Baggie	1	Ice	Soil			5-Day
19	- 0.6			Baggie	1	Ice	Soil			5-Day
20	B146 - 3 - 0		1420	Baggie	1	Ice	Soil	X		5-Day
21	- 0.3			Baggie	1	Ice	Soil			5-Day
22	- 0.6			Baggie	1	Ice	Soil			5-Day
23	B146 - 6 - 0		1435	Baggie	1	Ice	Soil	X		5-Day
24	- 0.3			Baggie	1	Ice	Soil			5-Day
25	- 0.6			Baggie	1	Ice	Soil			5-Day
26	- 0.9			Baggie	1	Ice	Soil			5-Day
27				Baggie	1	Ice	Soil			5-Day
28				Baggie	1	Ice	Soil			5-Day
29				Baggie	1	Ice	Soil			5-Day
30				Baggie	1	Ice	Soil			5-Day
31				Baggie	1	Ice	Soil			5-Day
32				Baggie	1	Ice	Soil			5-Day
33				Baggie	1	Ice	Soil			5-Day
34				Baggie	1	Ice	Soil			5-Day
35				Baggie	1	Ice	Soil			5-Day
36				Baggie	1	Ice	Soil			5-Day
37				Baggie	1	Ice	Soil			5-Day
38				Baggie	1	Ice	Soil			5-Day
39				Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

NO

NO

Reliquished By: [signature]
Print Name: JOYCE CHENG
Date: 01/22/03
Time: 1530

Received By: [signature]
Print Name: WIL FLEMING
Date:
Time: 1-22-03 1530

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15373 841855 SR680 Sunol Grade
Received	01/24/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15373 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15373001	B145-1.5-0	83.8	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373002	B145-1.5-0.3	64.1	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373003	B145-1.5-0.6	34.7	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373004	B145-3-0	74.9	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373005	B145-3-0.3	43.8	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373006	B145-3-0.6	33.3	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373007	B71-EP-0	38.7	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373008	B71-EP-0.3	19.1	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373009	B71-EP-0.6	2.91	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373010	B71-1.5-0	5.22	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373011	B71-1.5-0.3	4.70	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373012	B71-1.5-0.6	4.61	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373013	B70-PS-0.3	4.91	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373014	B70-PS-0.6	3.73	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373015	B70-EP-0	12.4	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373016	B70-EP-0.3	5.39	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373017	B70-EP-0.6	5.79	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373018	B70-EP-0.9	5.96	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373019	B68-EP-0	8.29	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373020	B68-EP-0.3	3.72	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373021	B68-EP-0.6	7.98	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373022	B67-PS-03	4.36	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373023	B67-PS-0.6	5.66	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373024	B67-EP-0	3.08	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373025	B67-EP-0.3	4.19	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373026	B67-EP-0.6	6.68	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373027	B66-PS-0.3	4.63	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373028	B66-PS-0.6	11.7	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373029	B66-PS-0.9	6.72	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373030	B66-EP-0	36.1	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373031	B66-EP-0.3	4.03	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373032	B66-EP-0.6	4.39	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373033	B65-EP-0	4.18	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373034	B65-EP-0.3	5.62	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15373 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15373035	B65-EP-0.6	7.55	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373036	B65-EP-0.9	6.43	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373037	B64-PS-0.3	56.0	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373038	B64-PS-0.6	56.7	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373039	B64-EP-0	68.2	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373040	B64-EP-0.3	7.66	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373041	B64-EP-0.6	2.19	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373042	B63-PS-0.3	5.17	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373043	B63-PS-0.6	5.73	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373044	B63-EP-0	4.20	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373045	B63-EP-0.3	3.11	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373046	B63-EP-0.6	7.16	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373047	B76-EP-0.6	5.17	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373048	B76-EP-0.3	5.14	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373049	B76-EP-0	458	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373050	B75-EP-0.6	7.13	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373051	B75-EP-0.3	6.93	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373052	B75-EP-0	199	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373053	B74-EP-0.9	9.66	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373054	B74-EP-0.6	8.29	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373055	B74-EP-0.3	7.91	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373056	B74-EP-0	7.62	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373057	B74-1.5-0.6	26.4	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373058	B74-1.5-0.3	12.9	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373059	B74-1.5-0	15.6	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373060	B73-PS-0.6	ND	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373061	B73-PS-0.3	2.17	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373062	B73-EP-0.6	5.94	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373063	B73-EP-0.3	4.78	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373064	B73-EP-0	6.53	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373065	B73-1.5-0.6	4.40	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373066	B73-1.5-0.3	6.08	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373067	B73-1.5-0	7.09	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373068	B73-3-0.6	5.32	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15373 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15373069	B73-3-0.3	8.21	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373070	B73-3-0	9.46	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373071	B72-PS-0.6	3.52	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373072	B72-PS-0.3	2.49	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373073	B72-EP-0.6	6.12	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373074	B72-EP-0.3	7.04	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373075	B72-EP-0	116	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373076	B72-1.5-0.6	4.64	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373077	B72-1.5-0.3	6.37	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373078	B72-1.5-0	72.7	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373079	B72-3-0.6	5.35	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373080	B72-3-0.3	6.25	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373081	B72-3-0	65.3	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373082	B62-EP-0.9	4.15	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373083	B62-EP-0.6	8.71	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373084	B62-EP-0.3	178	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373085	B62-EP-0	54.6	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373086	B61-EP-0.6	5.65	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373087	B61-EP-0.3	4.21	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373088	B61-EP-0	67.6	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373089	B60-PS-0.6	4.70	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373090	B60-PS-0.3	3.34	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373091	B60-EP-0.6	4.84	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373092	B60-EP-0.3	5.03	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1
15373093	B60-EP-0	6.64	1.0	mg/Kg	01/23/03	01/29/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15373 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15373047	B76-EP-0.6	8.1	0.10	SU	01/23/03	01/29/03	Soil	1:1
15373066	B73-1.5-0.3	8.0	0.10	SU	01/23/03	01/29/03	Soil	1:1
15373082	B62-EP-0.9	8.1	0.10	SU	01/23/03	01/29/03	Soil	1:1
15373088	B61-EP-0	8.6	0.10	SU	01/23/03	01/29/03	Soil	1:1

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CHAIN OF CUSTODY

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Phone: (916) 565-4183 Fax: (916) 565-4356

"6" Floor

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B145-1.5-0	01/23/03	0910	Baggie	1	Ice	Soil	X		5-Day
2	-0.3			Baggie	1	Ice	Soil			5-Day
3	-0.6			Baggie	1	Ice	Soil			5-Day
4	B145-3-0		0930	Baggie	1	Ice	Soil	X		5-Day
5	-0.3			Baggie	1	Ice	Soil			5-Day
6	-0.6			Baggie	1	Ice	Soil			5-Day
7				Baggie	1	Ice	Soil			5-Day
8				Baggie	1	Ice	Soil			5-Day
9				Baggie	1	Ice	Soil			5-Day
10				Baggie	1	Ice	Soil			5-Day
11				Baggie	1	Ice	Soil			5-Day
12				Baggie	1	Ice	Soil			5-Day
13				Baggie	1	Ice	Soil			5-Day
14				Baggie	1	Ice	Soil			5-Day
15				Baggie	1	Ice	Soil			5-Day
16				Baggie	1	Ice	Soil			5-Day
17				Baggie	1	Ice	Soil			5-Day
18				Baggie	1	Ice	Soil			5-Day
19				Baggie	1	Ice	Soil			5-Day
20				Baggie	1	Ice	Soil			5-Day
21				Baggie	1	Ice	Soil			5-Day
22				Baggie	1	Ice	Soil			5-Day
23				Baggie	1	Ice	Soil			5-Day
24				Baggie	1	Ice	Soil			5-Day
25				Baggie	1	Ice	Soil			5-Day
26				Baggie	1	Ice	Soil			5-Day
27				Baggie	1	Ice	Soil			5-Day
28				Baggie	1	Ice	Soil			5-Day
29				Baggie	1	Ice	Soil			5-Day
30				Baggie	1	Ice	Soil			5-Day
31				Baggie	1	Ice	Soil			5-Day
32				Baggie	1	Ice	Soil			5-Day
33				Baggie	1	Ice	Soil			5-Day
34				Baggie	1	Ice	Soil			5-Day
35				Baggie	1	Ice	Soil			5-Day
36				Baggie	1	Ice	Soil			5-Day
37				Baggie	1	Ice	Soil			5-Day
38				Baggie	1	Ice	Soil			5-Day
39				Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

JC 01/23/03

Relinquished By:
Print Name: JOYCE CHENG
Date: 01/23/03
Time: 1630

Received By:
Print Name:
Date: 1-23-03
Time: 1630

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15373

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Laboratory:
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Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
(1c) 1	~~B77~~ B71-EP-0	01/23/03	1045	Acetate Sleeve	1	Ice	Soil	X		5-Day
2	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	B71-1.5 - 0		1055	Acetate Sleeve	1	Ice	Soil	X		5-Day
5	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
7	B70-PS -0.3		1110	Acetate Sleeve	1	Ice	Soil	X		5-Day
8	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
9	B70-EP -0.		1120	Acetate Sleeve	1	Ice	Soil	X		5-Day
10	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
11	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
12	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
13	B68-EP -0		1130	Acetate Sleeve	1	Ice	Soil	X		5-Day
14	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
15	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
16	B67-PS - 0.3		1140	Acetate Sleeve	1	Ice	Soil	X		5-Day
17	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
18	B67-EP -0		1155	Acetate Sleeve	1	Ice	Soil	X		5-Day
19	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
20	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
21	B66-PS -0.3		1210	Acetate Sleeve	1	Ice	Soil	X		5-Day
22	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
23	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
24	B66-EP -0		1225	Acetate Sleeve	1	Ice	Soil	X		5-Day
25	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
26	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
27	B65-EP -0		1240	Acetate Sleeve	1	Ice	Soil	X		5-Day
28	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
29	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
30	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
31	B64-PS -0.3		1255	Acetate Sleeve	1	Ice	Soil	X		5-Day
32	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
33	B64-EP -0		1305	Acetate Sleeve	1	Ice	Soil	X		5-Day
34	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
35	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
36	B63-PS-0.3 ~~-0.3~~ (1c)		1325	Acetate Sleeve	1	Ice	Soil	X		5-Day
37	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
38	B63-EP - 0		1340	Acetate Sleeve	1	Ice	Soil	X		5-Day
39	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
40	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: [signature]
Print Name: JOYCE CHENG
Date: 01/23/03
Time: 1630

Received By: [signature]
Print Name: WILL FIERY
Date: 1-27-03
Time: 1670

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15373

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Laboratory:
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Phone: 916-362-8947
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Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B76-EP-0.6	1/23/03	11:00	Acetate Sleeve	1	Ice	Soil		X	5-Day
2	B76-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	B76-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
4	B75-EP-0.6	1/23/03	11:20	Acetate Sleeve	1	Ice	Soil			5-Day
5	B75-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	B75-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
7	B74-EP-0.9		11:37	Acetate Sleeve	1	Ice	Soil			5-Day
8	B74-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
9	B74-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
10	B74-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
11	B74-1.5-0.6		11:43	Acetate Sleeve	1	Ice	Soil			5-Day
12	B74-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
13	B74-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
14	B73-PS-0.6		11:54	Acetate Sleeve	1	Ice	Soil			5-Day
15	B73-PS-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
16	B73-EP-0.6		1200	Acetate Sleeve	1	Ice	Soil			5-Day
17	B73-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
18	B73-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
19	B73-1.5-0.6		12:06	Acetate Sleeve	1	Ice	Soil			5-Day
20	B73-1.5-0.3			Acetate Sleeve	1	Ice	Soil		X	5-Day
21	B73-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
22	B73-3-0.6		12:15	Acetate Sleeve	1	Ice	Soil			5-Day
23	B73-3-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
24	B73-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
25	B72-PS-0.6		12:30	Acetate Sleeve	1	Ice	Soil			5-Day
26	B72-PS-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
27	B72-EP-0.6		12:37	Acetate Sleeve	1	Ice	Soil			5-Day
28	B72-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
29	B72-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
30	B72-1.5-0.6		12:42	Acetate Sleeve	1	Ice	Soil			5-Day
31	B72-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
32	B72-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
33	B72-3-0.6		12:47	Acetate Sleeve	1	Ice	Soil			5-Day
34	B72-3-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
35	B72-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
36	B62-EP-0.9		13:00	Acetate Sleeve	1	Ice	Soil		X	5-Day
37	B62-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
38	B62-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
39	B62-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

10/011

Reliquished By: [signature]
Print Name: JOYCE CHENG
Date: 01/23/03
Time: 1630

Received By: [signature]
Print Name: [signature]
Date: 1/23/03
Time: 1630

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

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Laboratory:
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3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

15373

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834 .

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B61 - EP - 0.6	1/23/03	13:17	Acetate Sleeve	1	Ice	Soil			5-Day
2	B61 - EP - 0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	B61 - EP - 0			Acetate Sleeve	1	Ice	Soil			5-Day
4	B60 - PS - 0.6		13:30	Acetate Sleeve	1	Ice	Soil			5-Day
5	B60 - PS - 0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	B60 - EP - 0.6		13:45	Acetate Sleeve	1	Ice	Soil			5-Day
7	B60 - EP - 0.3			Acetate Sleeve	1	Ice	Soil			5-Day
8	B60 - EP - 0			Acetate Sleeve	1	Ice	Soil			5-Day
9				Acetate Sleeve	1	Ice	Soil			5-Day
10				Acetate Sleeve	1	Ice	Soil			5-Day
11				Acetate Sleeve	1	Ice	Soil			5-Day
12				Acetate Sleeve	1	Ice	Soil			5-Day
13				Acetate Sleeve	1	Ice	Soil			5-Day
14				Acetate Sleeve	1	Ice	Soil			5-Day
15				Acetate Sleeve	1	Ice	Soil			5-Day
16				Acetate Sleeve	1	Ice	Soil			5-Day
17				Acetate Sleeve	1	Ice	Soil			5-Day
18				Acetate Sleeve	1	Ice	Soil			5-Day
19				Acetate Sleeve	1	Ice	Soil			5-Day
20				Acetate Sleeve	1	Ice	Soil			5-Day
21				Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil			5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

JC 01/23/03

Reliquished By: Joyce Cheng
Print Name: JOYCE CHENG
Date: 01/23/03
Time: 1630

Received By: W. [illegible]
Print Name: W. [illegible]
Date: 1-27-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15376 841855 SR689 Sunol Grade
Received	01/27/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15376 **Workorder ID** 841855 SR689 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15376001	B144-1.5-0	89.7	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376002	B144-1.5-0.3	64.9	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376003	B144-1.5-0.6	77.0	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376004	B144-3-0	242	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376005	B144-3-0.3	56.3	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376006	B144-3-0.6	168	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376007	B144-4.5-0	16.7	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376008	B143-1.5-0	79.8	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376009	B143-1.5-0.3	8.47	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376010	B143-1.5-0.6	7.43	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376011	B143-3-0	90.5	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376012	B143-3-0.3	25.9	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376013	B143-3-0.6	11.8	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376014	B143-6-0	76.7	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376015	B46-PS-0.3	2.41	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376016	B46-PS-0.6	3.49	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376017	B46-EP-0	113	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376018	B46-EP-0.3	83.5	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376019	B46-EP-0.6	3.84	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376020	B46-EP-0.9	4.74	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376021	B45-PS-0.3	4.12	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376022	B45-PS-0.6	4.44	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376023	B45-PS-0.9	5.17	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376024	B45-EP-0	188	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376025	B45-EP-0.3	398	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376026	B45-EP-0.6	8.58	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376027	B44-EP-0	803	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376028	B44-EP-0.3	4.44	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376029	B44-EP-0.6	4.01	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376030	B43-1.5-0	5.87	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376031	B43-1.5-0.3	6.90	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376032	B43-1.5-0.6	7.26	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376033	B43-EP-0	71.8	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376034	B43-EP-0.3	11.3	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15376 **Workorder ID** 841855 SR689 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15376035	B43-EP-0.6	49.1	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376036	B40-EP-0	42.9	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376037	B40-EP-0.3	13.8	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376038	B40-EP-0.6	5.94	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376039	B40-1.5-0	38.8	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376040	B40-1.5-0.3	11.2	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376041	B40-1.5-0.6	6.51	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376042	B40-3-0	16.1	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376043	B40-3-0.3	5.41	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376044	B40-3-0.6	5.58	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376045	B39-EP-0	4.76	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376046	B39-EP-0.3	6.19	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376047	B39-EP-0.6	5.54	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376048	B39-1.5-0	20.0	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376049	B39-1.5-0.3	10.9	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376050	B39-1.5-0.6	5.20	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376051	B39-3-0	8.78	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376052	B39-3-0.3	5.04	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376053	B39-3-0.6	4.95	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376054	B39-4.5-0	7.52	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376055	B39-4.5-0.3	5.65	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376056	B39-4.5-0.6	3.08	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376057	B39-4.5-0.9	2.05	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376058	B38-EP-0	43.3	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376059	B38-EP-0.3	5.51	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376060	B38-EP-0.6	6.75	1.0	mg/Kg	01/24/03	01/28/03	Soil	1:1
15376061	B38-EP-0.9	5.90	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376062	B38-1.5-0	19.3	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376063	B38-1.5-0.3	8.23	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376064	B38-1.5-0.6	5.52	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376065	B38-3-0	16.0	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376066	B38-3-0.3	3.98	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376067	B38-3-0.6	3.42	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376068	B37-EP-0	15.2	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15376 **Workorder ID** 841855 SR689 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15376069	B37-EP-0.3	8.21	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376070	B37-EP-0.6	7.43	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376071	B37-1.5-0	14.6	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376072	B37-1.5-0.3	7.03	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376073	B37-1.5-0.6	6.86	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376074	B55-EP-0.6	3.18	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376075	B55-EP-0.3	8.80	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376076	B55-EP-0	6.27	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376077	B49-PS-0.9	3.85	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376078	B49-PS-0.6	3.81	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376079	B49-PS-0.3	2.23	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376080	B35-EP-0.6	5.84	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376081	B35-EP-0.3	16.9	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376082	B35-EP-0	217	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376083	B35-1.5-0.6	7.43	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376084	B35-1.5-0.3	8.02	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376085	B35-1.5-0	35.6	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376086	B34-EP-0.9	6.53	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376087	B34-EP-0.6	6.38	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376088	B34-EP-0.3	5.16	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376089	B34-EP-0	22.2	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376090	B34-1.5-0.6	ND	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376091	B34-1.5-0.3	12.3	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376092	B34-1.5-0.0	24.9	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376093	B31-EP-0.6	6.24	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376094	B31-EP-0.3	9.87	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376095	B31-EP-0	172	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376096	B30-EP-0.6	265	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376097	B30-EP-0.3	182	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376098	B30-EP-0	34.6	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376099	B30-1.5-0.6	7.41	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376100	B30-1.5-0.3	9.85	1.0	mg/Kg	01/24/03	01/29/03	Soil	1:1
15376101	B30-1.5-0	25.1	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376102	B31-1.5-0.6	6.24	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15376 **Workorder ID** 841855 SR689 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15376103	B31-1.5-0.3	5.73	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376104	B31-1.5-0	7.15	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376105	B30-3-0.6	5.26	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376106	B30-3-0.3	18.4	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376107	B30-3-0	6.29	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376108	B32-1.5-0.6	6.31	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376109	B32-1.5-0.3	4.44	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376110	B32-1.5-0	5.30	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376111	B32-EP-0.6	3.71	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376112	B32-EP-0.3	2.90	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1
15376113	B32-EP-0	12.8	1.0	mg/Kg	01/24/03	01/24/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15376 **Workorder ID** 841855 SR689 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15376005	B144-3-0.3	8.4	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376011	B143-3-0	6.8	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376015	B46-PS-0.3	9.1	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376033	B43-EP-0	8.5	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376053	B39-3-0.6	8.1	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376057	B39-4.5-0.9	9.2	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376068	B37-EP-0	8.5	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376074	B55-EP-0.6	8.5	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376097	B30-EP-0.3	8.5	0.10	SU	01/24/03	01/28/03	Soil	1:1
15376111	B32-EP-0.6	8.8	0.10	SU	01/24/03	01/28/03	Soil	1:1

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CHAIN OF CUSTODY

B Floor

Company:
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Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B144-1.5-0	01/24/03	0850	Baggie	1	Ice	Soil	X		5-Day
2	-0.3			Baggie	1	Ice	Soil			5-Day
3	-0.6			Baggie	1	Ice	Soil			5-Day
4	B144-3-0		0905	Baggie	1	Ice	Soil	X		5-Day
5	-0.3			Baggie	1	Ice	Soil		X	5-Day
6	-0.6			Baggie	1	Ice	Soil			5-Day
7	B144-4.5-0		0918	Baggie	1	Ice	Soil	X		5-Day
8	B143-1.5-0		0920	Baggie	1	Ice	Soil	X		5-Day
9	-0.3			Baggie	1	Ice	Soil			5-Day
10	-0.6			Baggie	1	Ice	Soil			5-Day
11	B143-3-0		0935	Baggie	1	Ice	Soil	X	X	5-Day
12	-0.3			Baggie	1	Ice	Soil			5-Day
13	-0.6			Baggie	1	Ice	Soil			5-Day
14	B143-6-0		0950	Baggie	1	Ice	Soil	X		5-Day
15				Baggie	1	Ice	Soil			5-Day
16				Baggie	1	Ice	Soil			5-Day
17				Baggie	1	Ice	Soil			5-Day
18				Baggie	1	Ice	Soil			5-Day
19				Baggie	1	Ice	Soil			5-Day
20				Baggie	1	Ice	Soil			5-Day
21				Baggie	1	Ice	Soil			5-Day
22				Baggie	1	Ice	Soil			5-Day
23				Baggie	1	Ice	Soil			5-Day
24				Baggie	1	Ice	Soil			5-Day
25				Baggie	1	Ice	Soil			5-Day
26				Baggie	1	Ice	Soil			5-Day
27				Baggie	1	Ice	Soil			5-Day
28				Baggie	1	Ice	Soil			5-Day
29				Baggie	1	Ice	Soil			5-Day
30				Baggie	1	Ice	Soil			5-Day
31				Baggie	1	Ice	Soil			5-Day
32				Baggie	1	Ice	Soil			5-Day
33				Baggie	1	Ice	Soil			5-Day
34				Baggie	1	Ice	Soil			5-Day
35				Baggie	1	Ice	Soil			5-Day
36				Baggie	1	Ice	Soil			5-Day
37				Baggie	1	Ice	Soil			5-Day
38				Baggie	1	Ice	Soil	JC 01/24/03		5-Day
39				Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

Relinquished By: [signature]
Print Name: Joyce Chen Ca
Date: 01/24/03
Time: 1630

Received By: [signature]
Print Name: Dr Henry
Date: 1-24-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15376

Company:
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Sacramento, CA 95834
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Laboratory:
Sparger Technology
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Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B46-PS -0.3	01/24/03	1030	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
2	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
3	B46-EP -0		1045	Acetate Sleeve	1	Ice	Soil	X		5-Day
4	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
5	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
6	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
7	B45-PS -0.3		1100	Acetate Sleeve	1	Ice	Soil	X		5-Day
8	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
9	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
10	B45-EP -0		1115	Acetate Sleeve	1	Ice	Soil	X		5-Day
11	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
12	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
13	B44-EP -0		1130	Acetate Sleeve	1	Ice	Soil	X		5-Day
14	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
15	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
16	B43-1.5 -0		1145	Acetate Sleeve	1	Ice	Soil	X		5-Day
17	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
18	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
19	B43-EP -0		1155	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
20	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
21	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
22	B40-EP -0		1300	Acetate Sleeve	1	Ice	Soil	X		5-Day
23	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
24	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
25	B40-1.5 -0		1310	Acetate Sleeve	1	Ice	Soil	X		5-Day
26	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
27	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
28	B40-3 -0		1320	Acetate Sleeve	1	Ice	Soil	X		5-Day
29	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
30	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
31	B39-EP -0		1330	Acetate Sleeve	1	Ice	Soil	X		5-Day
32	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
33	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
34	B39-1.5 -0		1340	Acetate Sleeve	1	Ice	Soil	X		5-Day
35	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
36	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
37	B39-3 -0		1350	Acetate Sleeve	1	Ice	Soil	X		5-Day
38	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
39	-0.6			Acetate Sleeve	1	Ice	Soil		X	5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: Joyce Cheng
Print Name: Joyce Cheng
Date: 01/24/03
Time: 1630

Received By: Will Fleming
Print Name: Will Fleming
Date: 1-24-03
Time: 16:30

Received By: JC 01/24/03
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15376

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B39-4.5-0	01/24/03	1358	Acetate Sleeve	1	Ice	Soil	X		5-Day
2	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	-0.9			Acetate Sleeve	1	Ice	Soil		X	5-Day
5	B38-EP-0		1405	Acetate Sleeve	1	Ice	Soil	X		5-Day
6	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
7	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
8	-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
9	B38-1.5-0		1415	Acetate Sleeve	1	Ice	Soil	X		5-Day
10	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
11	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
12	B38-3-0		1420	Acetate Sleeve	1	Ice	Soil	X		5-Day
13	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
14	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
15	B37-EP-0		1430	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
16	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
17	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
18	B37-1.5-0		1440	Acetate Sleeve	1	Ice	Soil	X		5-Day
19	-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
20	-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
21	~~B37~~			Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil			5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31		JC 01/24/03		Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: [signature]
Print Name: Joyce Chiong
Date: ~~1630~~ 01/24/03
Time: 1630

Received By: [signature]
Print Name: Will Fleming
Date: 1-24-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15376

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B55-EP-0.6	1/24/03	11:00	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
2	B55-EP-0.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
3	B55-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
4	B49-PS-0.9		11:35	Acetate Sleeve	1	Ice	Soil			5-Day
5	B49-PS-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
6	B49-PS-0.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
7	B35-EP-0.6		12:15	Acetate Sleeve	1	Ice	Soil			5-Day
8	B35-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
9	B35-EP-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
10	B35-1.5-0.6		13:00	Acetate Sleeve	1	Ice	Soil			5-Day
11	B35-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
12	B35-1.5-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
13	B34-EP-0.9		13:20	Acetate Sleeve	1	Ice	Soil			5-Day
14	B34-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
15	B34-EP-0.3		↓	Acetate Sleeve	1	Ice	Soil			5-Day
16	B34-EP-0			Acetate Sleeve	1	Ice	Soil			5-Day
17	B34-1.5-0.6		13:40	Acetate Sleeve	1	Ice	Soil			5-Day
18	B34-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
19	B34-1.5-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
20	B31-EP-0.6		13:55	Acetate Sleeve	1	Ice	Soil			5-Day
21	B31-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
22	B31-EP-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
23	B30-EP-.6		14:10	Acetate Sleeve	1	Ice	Soil			5-Day
24	B30-EP-.3			Acetate Sleeve	1	Ice	Soil		X	5-Day
25	B30-EP-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
26	B30-1.5-.6		14:25	Acetate Sleeve	1	Ice	Soil			5-Day
27	B30-1.5-.3			Acetate Sleeve	1	Ice	Soil			5-Day
28	B30-1.5-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
29	B31-1.5-.6		14:35	Acetate Sleeve	1	Ice	Soil			5-Day
30	B31-1.5-.3			Acetate Sleeve	1	Ice	Soil			5-Day
31	B31-1.5-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
32	B30-3-.6		14:50	Acetate Sleeve	1	Ice	Soil			5-Day
33	B30-3-.3			Acetate Sleeve	1	Ice	Soil			5-Day
34	B30-3-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
35	B32-1.5-.6		15:00	Acetate Sleeve	1	Ice	Soil			5-Day
36	B32-1.5-.3			Acetate Sleeve	1	Ice	Soil			5-Day
37	B32-1.5-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day
38	B32-EP-.6		15:10	Acetate Sleeve	1	Ice	Soil		X	5-Day
39	B32-EP-.3			Acetate Sleeve	1	Ice	Soil			5-Day
40	B32-EP-0		↓	Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: [signature]
Print Name: JOYCE CHENG
Date: 01/24/03
Time: 1630

Received By: [signature]
Print Name: Will Fleming
Date: 1-24-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15385 841855 SR680 Sunol Grade
Received	01/28/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15385 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15385001	B142-1.5-0	8.1	0.10	SU	01/27/03	01/28/03	Soil	1:1
15385017	B140-1.5-0.9	8.3	0.10	SU	01/27/03	01/28/03	Soil	1:1
15385037	B137-1.5-0.3	8.1	0.10	SU	01/27/03	01/28/03	Soil	1:1
15385039	B136-3-0	7.2	0.10	SU	01/27/03	01/28/03	Soil	1:1
15385060	B133-1.5-0.3	8.2	0.10	SU	01/27/03	01/28/03	Soil	1:1
15385071	B132-1.5-0.6	8.5	0.10	SU	01/27/03	01/28/03	Soil	1:1
15385078	B128-EP-0.3	8.3	0.10	SU	01/27/03	01/28/03	Soil	1:1
15385103	B119-1.5-0.6	8.4	0.10	SU	01/27/03	01/28/03	Soil	1:1

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8047 • FAX (916) 362-0047

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15385 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15385001	B142-1.5-0	184	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385002	B142-1.5-0.3	50.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385003	B142-1.5-0.6	97.5	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385004	B142-3-0	286	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385005	B142-3-0.3	125	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385006	B142-3-0.6	143	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385007	B141-1.5-0	150	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385008	B141-1.5-0.3	8.48	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385009	B141-1.5-0.6	79.4	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385010	B141-3-0	135	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385011	B141-3-0.3	62.0	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385012	B141-3-0.6	39.2	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385013	B141-4.5-0	67.0	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385014	B140-1.5-0	451	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385015	B140-1.5-0.3	66.5	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385016	B140-1.5-0.6	212	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385017	B140-1.5-0.9	75.2	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385018	B140-3-0	173	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385019	B140-3-0.3	33.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385020	B140-3-0.6	9.01	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385021	B140-6-0	46.6	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385022	B139-1.5-0	150	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385023	B139-1.5-0.3	27.9	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385024	B139-1.5-0.6	25.5	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385025	B139-3-0	30.6	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385026	B139-3-0.3	109	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385027	B139-3-0.6	79.2	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385028	B138-4.5-0	43.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385029	B137-1.5-0	19.0	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385030	B137-1.5-0.3	27.9	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385031	B137-1.5-0.6	31.7	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385032	B137-3-0	33.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385033	B137-3-0.3	17.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385034	B137-3-0.6	26.6	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15385 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15385035	B137-6-0	20.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385036	B137-1.5-0	32.9	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385037	B137-1.5-0.3	39.9	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385038	B137-1.5-0.6	12.3	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385039	B136-3-0	29.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385040	B136-3-0.3	14.9	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385041	B136-3-0.6	11.5	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385042	B135-1.5-0	114	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385043	B135-1.5-0.3	26.4	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385044	B135-1.5-0.6	36.5	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385045	B135-3-0	72.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385046	B135-3-0.3	46.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385047	B135-3-0.6	12.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385048	B135-4.5-0	24.5	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385049	B135-4.5-0.3	17.0	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385050	B135-4.5-0.6	11.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385051	B135-4.5-0.9	13.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385052	B134-1.5-0	16.9	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385053	B134-1.5-0.3	17.6	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385054	B134-1.5-0.6	11.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385055	B134-3-0	11.0	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385056	B134-3-0.3	8.32	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385057	B134-3-0.6	8.88	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385058	B134-6-0	13.6	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385059	B133-1.5-0	17.7	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385060	B133-1.5-0.3	15.4	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385061	B133-1.5-0.6	8.05	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385062	B133-EP-0	19.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385063	B133-3-0	40.7	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385064	B133-3-0.3	32.7	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385065	B133-3-0.6	23.6	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385066	B132-EP-0	14.9	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385067	B132-EP-0.3	24.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385068	B132-EP-0.6	50.2	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15385 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15385069	B132-1.5-0	211	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385070	B132-1.5-0.3	202	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385071	B132-1.5-0.6	135	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385072	B132-1.5-0.9	140	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385073	B132-3-0	136	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385074	B132-3-0.3	69.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385075	B132-3-0.6	85.7	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385076	B132-45-0	62.5	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385077	B128-EP-0	581	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385078	B128-EP-0.3	552	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385079	B128-EP-0.6	9.51	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385080	B128-1.5-0	183	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385081	B128-1.5-0.3	126	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385082	B128-1.5-0.6	92.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385083	B128-3-0	142	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385084	B128-3-0.3	174	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385085	B128-3-0.6	25.4	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385086	B128-3-0.9	44.6	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385087	B128-6-0	76.0	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385088	B122-1.5-0	41.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385089	B122-1.5-0.3	54.3	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385090	B122-1.5-0.6	14.1	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385091	B124-1.5-0	13.9	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385092	B124-1.5-0.3	11.7	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385093	B124-1.5-0.6	11.8	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385094	B124-1.5-0.9	15.2	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385095	B121-1.5-0	9.89	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385096	B121-1.5-0.3	9.29	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385097	B121-1.5-0.6	9.31	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385098	B120-1.5-0	228	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385099	B120-1.5-0.3	123	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385100	B120-1.5-0.6	137	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385101	B119-1.5-0	161	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1
15385102	B119-1.5-0.3	146	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15385 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15385103	B119-1.5-0.6	108	1.0	mg/Kg	01/27/03	01/29/03	Soil	1:1

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A FLOOR

CHAIN OF CUSTODY

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
✓ 1	B142-1.5-0	1/27/03	9:00	Baggie	1	Ice	Soil	X	X	5-Day
✓ 2	B142-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓ 3	B142-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓ 4	B142-3-0		9:15	Baggie	1	Ice	Soil			5-Day
✓ 5	B142-3-0.3			Baggie	1	Ice	Soil			5-Day
✓ 6	B142-3-0.6			Baggie	1	Ice	Soil			5-Day
✓ 7	B141-1.5-0		9:40	Baggie	1	Ice	Soil			5-Day
✓ 8	B141-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓ 9	B141-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓ 10	B141-3-0			Baggie	1	Ice	Soil			5-Day
✓ 11	B141-3-0.3			Baggie	1	Ice	Soil			5-Day
✓ 12	B141-3-0.6			Baggie	1	Ice	Soil			5-Day
✓ 13	B141-4.5-0			Baggie	1	Ice	Soil			5-Day
✓ 14	B140-1.5-0		10:30	Baggie	1	Ice	Soil			5-Day
✓ 15	B140-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓ 16	B140-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓ 17	B140-1.5-0.9			Baggie	1	Ice	Soil		X	5-Day
✓ 18	B140-3-0			Baggie	1	Ice	Soil			5-Day
✓ 19	B140-3-0.3			Baggie	1	Ice	Soil			5-Day
✓ 20	B140-3-0.6			Baggie	1	Ice	Soil			5-Day
✓ 21	B140-6-0			Baggie	1	Ice	Soil			5-Day
✓ 22	B139-1.5-0		10:47	Baggie	1	Ice	Soil			5-Day
✓ 23	B139-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓ 24	B139-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓ 25	B139-3-0			Baggie	1	Ice	Soil			5-Day
✓ 26	B139-3-0.3			Baggie	1	Ice	Soil			5-Day
✓ 27	B139-3-0.6			Baggie	1	Ice	Soil			5-Day
✓ 28	B139-4.5-0		10:55	Baggie	1	Ice	Soil			5-Day
✓ 29	B137-1.5-0		11:15	Baggie	1	Ice	Soil			5-Day
✓ 30	B137-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓ 31	B137-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓ 32	B137-3-0			Baggie	1	Ice	Soil			5-Day
✓ 33	B137-3-0.3			Baggie	1	Ice	Soil			5-Day
✓ 34	B137-3-0.6			Baggie	1	Ice	Soil			5-Day
✓ 35	B137-6-0			Baggie	1	Ice	Soil			5-Day
✓ 36	B136-1.5-0		11:30	Baggie	1	Ice	Soil			5-Day
✓ 37	B136-1.5-0.3			Baggie	1	Ice	Soil		X	5-Day
✓ 38	B136-1.5-0.6			Baggie	1	Ice	Soil			5-Day
39				Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

Relinquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 1/27/03
Time: 16:30

Received By: [illegible]
Print Name: Will Fleming
Date: 1-27-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

15385

CHAIN OF CUSTODY

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B136-3-0	1/27/03	11:30	Baggie	1	Ice	Soil	X	X	5-Day
2	B136-3-0.3			Baggie	1	Ice	Soil			5-Day
3	B136-3-0.6			Baggie	1	Ice	Soil			5-Day
4	B135-1.5-0		12:00	Baggie	1	Ice	Soil			5-Day
5	B135-1.5-0.3			Baggie	1	Ice	Soil			5-Day
6	B135-1.5-0.6			Baggie	1	Ice	Soil			5-Day
7	B135-3-0			Baggie	1	Ice	Soil			5-Day
8	B135-3-0.3			Baggie	1	Ice	Soil			5-Day
9	B135-3-0.6			Baggie	1	Ice	Soil			5-Day
10	B135-4.5-0			Baggie	1	Ice	Soil			5-Day
11	B135-4.5-0.3			Baggie	1	Ice	Soil			5-Day
12	B135-4.5-0.6			Baggie	1	Ice	Soil			5-Day
13	B135-4.5-0.9			Baggie	1	Ice	Soil			5-Day
14	B134-1.5-0		12:20	Baggie	1	Ice	Soil			5-Day
15	B134-1.5-0.3			Baggie	1	Ice	Soil			5-Day
16	B134-1.5-0.6			Baggie	1	Ice	Soil			5-Day
17	B134-3-0			Baggie	1	Ice	Soil			5-Day
18	B134-3-0.3			Baggie	1	Ice	Soil			5-Day
19	B134-3-0.6			Baggie	1	Ice	Soil			5-Day
20	B134-6-0			Baggie	1	Ice	Soil			5-Day
21	B133-1.5-0		12:35	Baggie	1	Ice	Soil			5-Day
22	B133-1.5-0.3			Baggie	1	Ice	Soil		X	5-Day
23	B133-1.5-0.6			Baggie	1	Ice	Soil			5-Day
24	B133-EP-0			Baggie	1	Ice	Soil			5-Day
25	B133-3-0			Baggie	1	Ice	Soil			5-Day
26	B133-3-0.3			Baggie	1	Ice	Soil			5-Day
27	B133-3-0.6			Baggie	1	Ice	Soil			5-Day
28	B132-EP-0		13:22	Baggie	1	Ice	Soil			5-Day
29	B132-EP-0.3			Baggie	1	Ice	Soil			5-Day
30	B132-EP-0.6			Baggie	1	Ice	Soil			5-Day
31	B132-1.5-0			Baggie	1	Ice	Soil			5-Day
32	B132-1.5-0.3			Baggie	1	Ice	Soil			5-Day
33	B132-1.5-0.6			Baggie	1	Ice	Soil		X	5-Day
34	B132-1.5-0.9			Baggie	1	Ice	Soil			5-Day
35	B132-3-0			Baggie	1	Ice	Soil			5-Day
36	B132-3-0.3			Baggie	1	Ice	Soil			5-Day
37	B132-3-0.6			Baggie	1	Ice	Soil			5-Day
38	B132-4.5-0			Baggie	1	Ice	Soil			5-Day
39				Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

Reliquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 1/27/03
Time: 16:30

Received By: W. Fleming
Print Name: WILL FLEMING
Date: 1-27-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15385

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
✓1	B128-EP-0	1/27/03	13:50	Baggie	1	Ice	Soil	X		5-Day
✓2	B128-EP-0.3			Baggie	1	Ice	Soil		X	5-Day
✓3	B128-EP-0.6			Baggie	1	Ice	Soil			5-Day
✓4	B128-1.5-0			Baggie	1	Ice	Soil			5-Day
✓5	B128-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓6	B128-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓7	B128-3-0			Baggie	1	Ice	Soil			5-Day
✓8	B128-3-0.3			Baggie	1	Ice	Soil			5-Day
✓9	B128-3-0.6			Baggie	1	Ice	Soil			5-Day
✓10	B128-3-0.9			Baggie	1	Ice	Soil			5-Day
✓11	B128-6-0			Baggie	1	Ice	Soil			5-Day
✓12	B122-1.5-0		14:12	Baggie	1	Ice	Soil			5-Day
✓13	B122-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓14	B122-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓15	B124-1.5-0		14:20	Baggie	1	Ice	Soil			5-Day
✓16	B124-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓17	B124-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓18	B124-1.5-0.9			Baggie	1	Ice	Soil			5-Day
✓19	B121-1.5-0		14:33	Baggie	1	Ice	Soil			5-Day
✓20	B121-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓21	B121-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓22	B120-1.5-0		14:45	Baggie	1	Ice	Soil			5-Day
✓23	B120-1.5-0.3			Baggie	1	Ice	Soil			5-Day
✓24	B120-1.5-0.6			Baggie	1	Ice	Soil			5-Day
✓25	B119-1.5-0		14:55	Baggie	1	Ice	Soil			5-Day
✓26	B119-1.5 0.3			Baggie	1	Ice	Soil			5-Day
✓27	B119-1.5 0.6			Baggie	1	Ice	Soil		X	5-Day
28				Baggie	1	Ice	Soil			5-Day
29				Baggie	1	Ice	Soil			5-Day
30				Baggie	1	Ice	Soil			5-Day
31				Baggie	1	Ice	Soil			5-Day
32				Baggie	1	Ice	Soil			5-Day
33				Baggie	1	Ice	Soil			5-Day
34				Baggie	1	Ice	Soil			5-Day
35				Baggie	1	Ice	Soil			5-Day
36				Baggie	1	Ice	Soil			5-Day
37				Baggie	1	Ice	Soil			5-Day
38				Baggie	1	Ice	Soil			5-Day
39				Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

Relinquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 1/27/03
Time: 16:30

Received By: [illegible]
Print Name: [illegible]
Date: 1-27-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15388 841855 SR680 Sunol Grade
Received	01/29/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15388 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15388001	B118-1.5-0	7.6	0.10	SU	01/28/03	01/29/03	Soil	1:1
15388016	B116-6-0.6	7.7	0.10	SU	01/28/03	01/29/03	Soil	1:1
15388034	B109-EP-0.3	9.0	0.10	SU	01/28/03	01/29/03	Soil	1:1
15388039	B109-3-0	8.0	0.10	SU	01/28/03	01/29/03	Soil	1:1
15388061	B103-3-0.3	8.7	0.10	SU	01/28/03	01/29/03	Soil	1:1
15388075	B101-1.5-0.6	8.4	0.10	SU	01/28/03	01/29/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15388 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15388001	B118-1.5-0	141	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388002	B118-1.5-0.3	279	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388003	B118-1.5-0.6	24.1	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388004	B118-3-0	95.2	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388005	B118-3-0.3	89.1	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388006	B118-3-0.6	378	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388007	B117-1.5-0	198	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388008	B117-1.5-0.3	19.2	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388009	B117-1.5-0.6	120	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388010	B117-3-0	193	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388011	B117-3-0.3	205	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388012	B117-3-0.6	62.2	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388013	B117-4.5-0	104	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388014	B116-6-0	162	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388015	B116-6-0.3	12.5	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388016	B116-6-0.6	4.41	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388017	B114-EP-0	4.89	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388018	B114-EP-0.3	26.9	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388019	B114-1.5-0	85.8	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388020	B114-1.5-0.3	10.2	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388021	B114-3-0	131	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388022	B114-3-0.3	14.0	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388023	B114-3-0.6	4.41	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388024	B114-3-0.9	6.86	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388025	B114-4.5-0	95.5	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388026	B111-4.5-0	213	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388027	B110-1.5-0	117	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388028	B110-1.5-0.3	7.28	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388029	B110-3-0	166	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388030	B110-3-0.3	15.1	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388031	B110-3-0.6	4.99	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388032	B110-6-0	169	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388033	B109-EP-0	204	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388034	B109-EP-0.3	45.5	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15388 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15388035	B109-EP-0.6	60.6	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388036	B109-1.5-0	389	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388037	B109-1.5-0.3	25.6	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388038	B109-1.5-0.6	11.2	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388039	B109-3-0	161	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388040	B109-3-0.3	13.9	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388041	B109-3-0.6	25.3	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388042	B108-EP-0	130	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388043	B108-EP-0.3	62.1	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388044	B108-EP-0.6	167	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388045	B108-1.5-0	68.1	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388046	B108-1.5-0.3	39.5	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388047	B108-1.5-0.6	18.0	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388048	B108-1.5-0.9	113	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388049	B104-1.5-0	207	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388050	B104-1.5-0.3	58.0	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388051	B104-1.5-0.6	30.7	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388052	B104-3-0	118	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388053	B104-3-0.3	5.26	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388054	B104-3-0.6	18.1	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388055	B104-6-0	102	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388056	B103-EP-0	113	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388057	B103-1.5-0	7.89	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388058	B103-1.5-0.3	67.7	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388059	B103-1.5-0.6	56.1	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388060	B103-3-0	253	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388061	B103-3-0.3	221	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388062	B103-3-0.6	28.9	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388063	B102-EP-0	38.2	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388064	B102-EP-0.3	127	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388065	B102-EP-0.6	111	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388066	B102-1.5-0	225	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388067	B102-1.5-0.3	80.2	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388068	B102-1.5-0.6	342	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15388 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15388069	B102-3-0	108	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388070	B102-3-0.3	175	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388071	B102-3-0.6	142	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388072	B102-4.5-0	151	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388073	B101-1.5-0	157	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388074	B101-1.5-0.3	17.8	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388075	B101-1.5-0.6	60.8	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388076	B108-3-0	137	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388077	B108-3-0.3	109	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1
15388078	B108-3-0.6	3.40	1.0	mg/Kg	01/28/03	01/30/03	Soil	1:1

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A Floor

CHAIN OF CUSTODY

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B118-1.5-0	1/28/03	9:15	Baggie	1	Ice	Soil	X	X	5-Day
2	B118-1.5-0.3			Baggie	1	Ice	Soil			5-Day
3	B118-1.5-0.6			Baggie	1	Ice	Soil			5-Day
4	B118-3-0			Baggie	1	Ice	Soil			5-Day
5	B118-3-0.3			Baggie	1	Ice	Soil			5-Day
6	B118-3-0.6			Baggie	1	Ice	Soil			5-Day
7	B117-1.5-0		9:40	Baggie	1	Ice	Soil			5-Day
8	B117-1.5-0.3			Baggie	1	Ice	Soil			5-Day
9	B117-1.5-0.6			Baggie	1	Ice	Soil			5-Day
10	B117-3-0			Baggie	1	Ice	Soil			5-Day
11	B117-3-0.3			Baggie	1	Ice	Soil			5-Day
12	B117-3-0.6			Baggie	1	Ice	Soil			5-Day
13	B117-4.5-0			Baggie	1	Ice	Soil			5-Day
14	B116-6-0		10:15	Baggie	1	Ice	Soil			5-Day
15	B116-6-0.3			Baggie	1	Ice	Soil			5-Day
16	B116-6-0.6			Baggie	1	Ice	Soil		X	5-Day
17	B114-EP-0		10:45	Baggie	1	Ice	Soil			5-Day
18	B114-EP-0.3			Baggie	1	Ice	Soil			5-Day
19	B114-1.5-0			Baggie	1	Ice	Soil			5-Day
20	B114-1.5-0.3			Baggie	1	Ice	Soil			5-Day
21	B114-3-0			Baggie	1	Ice	Soil			5-Day
22	B114-3-0.3			Baggie	1	Ice	Soil			5-Day
23	B114-3-0.6			Baggie	1	Ice	Soil			5-Day
24	B114-3-0.9			Baggie	1	Ice	Soil			5-Day
25	B114-4.5-0			Baggie	1	Ice	Soil			5-Day
26	B111-4.5-0		11:00	Baggie	1	Ice	Soil			5-Day
27	B110-1.5-0		11:15	Baggie	1	Ice	Soil			5-Day
28	B110-1.5-0.3			Baggie	1	Ice	Soil			5-Day
29	B110-3-0			Baggie	1	Ice	Soil			5-Day
30	B110-3-0.3			Baggie	1	Ice	Soil			5-Day
31	B110-3-0.6			Baggie	1	Ice	Soil			5-Day
32	B110-6-0			Baggie	1	Ice	Soil			5-Day
33	B109-EP-0		12:00	Baggie	1	Ice	Soil			5-Day
34	B109-EP-.3			Baggie	1	Ice	Soil		X	5-Day
35	B109-EP-.6			Baggie	1	Ice	Soil			5-Day
36	B109-1.5-0			Baggie	1	Ice	Soil			5-Day
37	B109-1.5-0.3			Baggie	1	Ice	Soil			5-Day
38	B109-1.5-0.6			Baggie	1	Ice	Soil			5-Day
No 39				Baggie	1	Ice	Soil			5-Day — no
40				Baggie	1	Ice	Soil			5-Day

Reliquished By: Jody Rhoads
Print Name: Jody Rhoads
Date: 1/28/03
Time: 16:30

Received By: [illegible]
Print Name: [illegible]
Date: 1/28/03
Time: 16:30

Received By:
Print Name:
Date:
Time:

(A Floor)

CHAIN OF CUSTODY

15388

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B109-3-0	1/28/03	12:00	Baggie	1	Ice	Soil		X	5-Day
2	B109-3-0.3			Baggie	1	Ice	Soil			5-Day
3	B109-3-0.6			Baggie	1	Ice	Soil			5-Day
4	B108-EP-0		12:25	Baggie	1	Ice	Soil			5-Day
5	B108-EP-0.3			Baggie	1	Ice	Soil			5-Day
6	B108-EP-0.6			Baggie	1	Ice	Soil			5-Day
7	B108-1.5-0			Baggie	1	Ice	Soil			5-Day
8	B108-1.5-0.3			Baggie	1	Ice	Soil			5-Day
9	B108-1.5-0.6			Baggie	1	Ice	Soil			5-Day
10	B108-1.5-0.9			Baggie	1	Ice	Soil			5-Day
11	B104-1.5-0		12:51	Baggie	1	Ice	Soil			5-Day
12	B104-1.5-0.3			Baggie	1	Ice	Soil			5-Day
13	B104-1.5-0.6			Baggie	1	Ice	Soil			5-Day
14	B104-3-0			Baggie	1	Ice	Soil			5-Day
15	B104-3-0.3			Baggie	1	Ice	Soil			5-Day
16	B104-3-0.6			Baggie	1	Ice	Soil			5-Day
17	B104-6-0			Baggie	1	Ice	Soil			5-Day
18	B103-EP-0		13:12	Baggie	1	Ice	Soil			5-Day
19	B103-1.5-0			Baggie	1	Ice	Soil			5-Day
20	B103-1.5-0.3			Baggie	1	Ice	Soil			5-Day
21	B103-1.5-0.6			Baggie	1	Ice	Soil			5-Day
22	B103-3-0			Baggie	1	Ice	Soil			5-Day
23	B103-3-0.3			Baggie	1	Ice	Soil		X	5-Day
24	B103-3-0.6			Baggie	1	Ice	Soil			5-Day
25	B102-EP-0		13:48	Baggie	1	Ice	Soil			5-Day
26	B102-EP-0.3			Baggie	1	Ice	Soil			5-Day
27	B102-EP-0.6			Baggie	1	Ice	Soil			5-Day
28	B102-1.5-0			Baggie	1	Ice	Soil			5-Day
29	B102-1.5-0.3			Baggie	1	Ice	Soil			5-Day
30	B102-1.5-0.6			Baggie	1	Ice	Soil			5-Day
31	B102-3-0			Baggie	1	Ice	Soil			5-Day
32	B102-3-0.3			Baggie	1	Ice	Soil			5-Day
33	B102-3-0.6			Baggie	1	Ice	Soil			5-Day
34	B102-4.5-0			Baggie	1	Ice	Soil			5-Day
35	B101-1.5-0		1400	Baggie	1	Ice	Soil			5-Day
36	B101-1.5-0.3			Baggie	1	Ice	Soil			5-Day
37	B101-1.5-0.6			Baggie	1	Ice	Soil		X	5-Day
38	~~B108-3-0~~		~~12:25~~	~~Baggie~~	1	Ice	Soil			5-Day
39	~~B108-3-.3~~			Baggie	1	Ice	Soil			5-Day
40	~~B108-3-.6~~			Baggie	1	Ice	Soil			5-Day

NC

NO

Reliquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 1/28/03
Time: 16:30

Received By: [illegible]
Print Name: Don Fleming
Date: 1/28/03
Time: 16:30

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15391 841855 SR680 Sunol Grade
Received	01/30/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15391 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15391001	B78-EP-0.0	204	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391002	B78-EP-0.3	7.47	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391003	B78-EP-0.6	4.34	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391004	B78-PS-0.3	4.48	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391005	B78-PS-0.6	5.22	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391006	B78-PS-0.9	6.99	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391007	B78-1.5-0.0	156	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391008	B78-1.5-0.3	17.0	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391009	B78-1.5-0.6	15.5	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391010	B18-3.0-0.0	50.2	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391011	B18-3.0-0.3	5.94	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391012	B18-3.0-0.6	7.16	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391013	B16-EP-0.0	47.7	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391014	B16-EP-0.3	5.67	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391015	B16-EP-0.6	6.42	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391016	B16-1.5-0.0	166	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391017	B16-1.5-0.3	8.66	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391018	B16-1.5-0.6	7.15	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391019	B16-3.0-0.0	14.6	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391020	B16-3.0-0.3	6.05	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391021	B16-3.0-0.6	11.6	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391022	B14-EP-0.0	8.38	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391023	B14-EP-0.3	7.42	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391024	B14-EP-0.6	6.42	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391025	B14-EP-0.9	34.4	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391026	B14-3.0-0.0	65.9	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391027	B14-3.0-0.3	6.31	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391028	B14-3.0-0.6	5.49	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391029	B12-EP-0.0	44.0	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391030	B12-EP-0.3	6.85	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391031	B12-EP-0.6	7.59	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391032	B12-1.5-0.0	126	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391033	B12-1.5-0.3	10.5	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391034	B12-1.5-0.6	5.57	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15391 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15391035	B12-1.5-0.9	7.34	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391036	B12-3.0-0.0	54.5	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391037	B12-3.0-0.3	4.66	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391038	B12-3.0-0.6	4.79	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391039	B78-3.0-0.0	65.7	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391040	B78-3.0-0.3	4.79	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391041	B78-3.0-0.6	3.37	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391042	B59-EP-0.0	83.7	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391043	B59-EP-0.3	6.51	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391044	B59-EP-0.6	5.63	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391045	B58-PS-0.3	5.06	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391046	B58-PS-0.6	5.54	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391047	B58-EP-0.0	97.6	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391048	B58-EP-0.3	4.18	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391049	B58-EP-0.6	8.13	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391050	B57-EP-0.0	189	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391051	B57-EP-0.3	104	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391052	B57-EP-0.6	1.97	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391053	B56-EP-0.0	596	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391054	B56-EP-0.3	6.46	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391055	B56-EP-0.6	8.03	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391056	B38-EP-0.0	113	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391057	B38-EP-0.3	9.69	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391058	B38-EP-0.6	8.60	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391059	B38-EP-0.9	8.06	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391060	B21-EP-0.0	36.1	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391061	B21-EP-0.3	13.6	1.0	mg/Kg	01/29/03		Soil	1:1
15391062	B21-EP-0.6	6.58	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391063	B21-1.5-0.0	11.0	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391064	B21-1.5-0.3	5.33	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391065	B21-1.5-0.6	7.47	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391066	B21-3.0-0.0	10.4	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391067	B21-3.0-0.3	6.04	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391068	B21-3.0-0.6	6.94	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15391 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15391069	B18-EP-0.0	7.66	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391070	B18-EP-0.3	6.45	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391071	B18-EP-0.6	5.86	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391072	B18-1.5-0.0	127	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391073	B18-1.5-0.3	9.56	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391074	B18-1.5-0.6	5.62	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391075	B11-EP-0.0	11.1	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391076	B11-EP-0.3	ND	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391077	B11-EP-0.6	ND	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391078	B11-1.5-0.0	63.0	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391079	B11-1.5-0.3	ND	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391080	B11-1.5-0.6	10.6	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391081	B11-3.0-0.0	105	1.0	mg/Kg	01/29/03		Soil	1:1
15391082	B11-3.0-0.3	6.48	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391083	B11-3.0-0.6	4.65	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391084	B23-1.5-0.0	270	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391085	B23-1.5-0.3	8.84	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391086	B23-1.5-0.6	24.8	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391087	B23-3-0.0	66.4	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391088	B23-3-0.3	11.6	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391089	B23-3-0.6	6.07	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391090	B22-EP-0.0	37.1	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391091	B22-EP-0.3	20.4	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391092	B22-EP-0.6	7.90	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391093	B22-EP-0.9	4.87	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391094	B22-1.5-0.0	17.7	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391095	B22-1.5-0.3	25.1	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391096	B22-1.5-0.6	9.96	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391097	B22-3-0.0	47.1	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391098	B22-3-0.3	364	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391099	B22-3-0.6	17.2	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391100	B20-EP-0.0	39.1	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391101	B20-EP-0.3	457	1.0	mg/Kg	01/29/03		Soil	1:1
15391102	B20-EP-0.6	5.64	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1

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Test Certificate of Analysis

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Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15391103	B20-1.5-0.0	20.4	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391104	B20-1.5-0.3	8.92	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391105	B20-1.5-0.6	7.74	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391106	B20-1.5-0.9	9.96	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391107	B19-EP-0.0	8.75	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391108	B19-EP-0.3	10.6	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391109	B19-EP-0.6	6.46	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391110	B19-1.5-0.0	98.4	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391111	B19-1.5-0.3	9.54	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391112	B19-1.5-0.6	8.92	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391113	B17-EP-0.0	308	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391114	B17-EP-0.3	13.0	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391115	B17-EP-0.6	22.5	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391116	B17-EP-0.9	5.06	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391117	B17-1.5-0.0	78.5	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391118	B17-1.5-0.3	6.60	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391119	B17-1.5-0.6	6.83	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391120	B17-3-0.0	64.6	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391121	B17-3-0.3	6.93	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391122	B17-3-0.6	6.78	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391123	B15-EP-0.0	15.5	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391124	B15-EP-0.3	7.24	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391125	B15-EP-0.6	ND	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391126	B15-1.5-0.0	ND	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391127	B15-1.5-0.3	ND	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391128	B15-1.5-0.6	ND	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391129	B13-EP-0.0	56.3	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391130	B13-EP-0.3	6.86	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391131	B13-EP-0.6	6.09	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391132	B13-1.5-0.0	86.5	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391133	B13-1.5-0.3	7.49	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391134	B13-1.5-0.6	5.93	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391135	B23-3-0.9	9.23	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391136	B69-7-0.0	17.1	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1

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Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15391137	B69-10-0.0	9.73	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391138	B69-15-0.0	6.36	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391139	B69-20-0.0	6.32	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391140	B69-4.5-0.0	13.9	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391141	B69-4.5-0.3	6.50	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391142	B69-4.5-0.6	58.4	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391143	B69-3-0.0	15.7	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391144	B69-3-0.3	10.0	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391145	B69-3-0.6	90.9	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391146	B69-1.5-0.0	25.2	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391147	B69-1.5-0.3	174	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391148	B69-1.5-0.6	6.79	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391149	B9-EP-0.0	180	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391150	B9-EP-0.3	8.88	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391151	B9-EP-0.6	11.7	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391152	B9-PS-0.3	5.80	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391153	B9-PS-0.6	5.97	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391154	B9-PS-0.9	12.2	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391155	B8-EP-0.0	222	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391156	B8-EP-0.3	7.96	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391157	B8-EP-0.6	6.94	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391158	B8-1.5-0.0	28.7	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391159	B8-1.5-0.3	51.3	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391160	B8-1.5-0.6	6.55	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391161	B7-EP-0.0	27.0	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391162	B7-EP-0.3	7.96	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391163	B7-EP-0.6	7.41	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391164	B7-1.5-0.0	25.3	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391165	B7-1.5-0.3	5.96	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391166	B7-1.5-0.6	13.4	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391167	B24-EP-0.0	55.5	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391168	B24-EP-0.3	6.31	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391169	B24-EP-0.6	6.60	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391170	B24-1.5-0.0	305	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1

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Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15391171	B24-1.5-0.3	7.40	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391172	B24-1.5-0.6	6.96	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391173	B24-3-0.0	23.0	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391174	B24-3-0.3	52.9	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391175	B24-3-0.6	6.42	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391176	B23-EP-0.0	249	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391177	B23-EP-0.3	14.7	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391178	B23-EP-0.6	7.40	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1
15391179	B17-6-0	17.8	1.0	mg/Kg	01/29/03	02/04/03	Soil	1:1

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Workorder # 15391 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15391084	B23-1.5-0.0	8.7	0.10	SU	01/29/03	02/05/03	Soil	1:1
15391093	B22-EP-0.9	7.1	0.10	SU	01/29/03	02/05/03	Soil	1:1
15391119	B17-1.5-0.6	8.0	0.10	SU	01/29/03	02/05/03	Soil	1:1
15391128	B15-1.5-0.6	8.7	0.10	SU	01/29/03	02/05/03	Soil	1:1
15391137	B69-10-0.0	8.9	0.10	SU	01/29/03	02/05/03	Soil	1:1
15391140	B69-4.5-0.0	9.0	0.10	SU	01/29/03	02/05/03	Soil	1:1
15391157	B8-EP-0.6	8.8	0.10	SU	01/29/03	02/05/03	Soil	1:1
15391174	B24-3-0.3	8.1	0.10	SU	01/29/03	02/05/03	Soil	1:1

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IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

B Floor

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B18-EP-0.0	01/29/03	0925	Baggie	1	Ice	Soil	X		5-Day
2	B18-EP-0.3		0926	Baggie	1	Ice	Soil	X		5-Day
3	B18-EP-0.6		0927	Baggie	1	Ice	Soil	X		5-Day
4	B18-PS-0.3		1055	Baggie	1	Ice	Soil	X		5-Day
5	B18-PS-0.6		1056	Baggie	1	Ice	Soil	X		5-Day
6	B18-PS-0.9		1057	Baggie	1	Ice	Soil	X		5-Day
7	B18-1.5-0.0		1103	Baggie	1	Ice	Soil	X		5-Day
8	B18-1.5-0.3		1102	Baggie	1	Ice	Soil	X		5-Day
9	B18-1.5-0.6		1101	Baggie	1	Ice	Soil	X		5-Day
10	B18-3.0-0.0	01/29/03	1350	Baggie	1	Ice	Soil	X		5-Day
11	-0.3		1351	Baggie	1	Ice	Soil	X		5-Day
12	-0.6		1352	Baggie	1	Ice	Soil	X		5-Day
13	B16-EP-0.0		1358	Baggie	1	Ice	Soil	X		5-Day
14	0.3		1359	Baggie	1	Ice	Soil	X		5-Day
15	0.6		1400	Baggie	1	Ice	Soil	X		5-Day
16	B16-1.5-0.0		1403	Baggie	1	Ice	Soil	X		5-Day
17	0.3		1404	Baggie	1	Ice	Soil	X		5-Day
18	0.6		1405	Baggie	1	Ice	Soil	X		5-Day
19	B16-3.0-0.0		1408	Baggie	1	Ice	Soil	X		5-Day
20	0.3		1409	Baggie	1	Ice	Soil	X		5-Day
21	0.6		1410	Baggie	1	Ice	Soil	X		5-Day
22	B14-EP-0.0		1415	Baggie	1	Ice	Soil	X		5-Day
23	0.3		1416	Baggie	1	Ice	Soil	X		5-Day
24	0.6		1417	Baggie	1	Ice	Soil	X		5-Day
25	0.9		1418	Baggie	1	Ice	Soil	X		5-Day
26	B14-3.0-0.0		1420	Baggie	1	Ice	Soil	X		5-Day
27	0.3		1421	Baggie	1	Ice	Soil	X		5-Day
28	0.6		1422	Baggie	1	Ice	Soil	X		5-Day
29	B12-EP-0.0		1430	Baggie	1	Ice	Soil	X		5-Day
30	0.3		1431	Baggie	1	Ice	Soil	X		5-Day
31	0.6		1432	Baggie	1	Ice	Soil	X		5-Day
32	B12-1.5-0.0		1435	Baggie	1	Ice	Soil	X		5-Day
33	0.3		1436	Baggie	1	Ice	Soil	X		5-Day
34	0.6		1437	Baggie	1	Ice	Soil	X		5-Day
35	0.9		1438	Baggie	1	Ice	Soil	X		5-Day
36	B12-3.0-0.0		1440	Baggie	1	Ice	Soil	X		5-Day
37	0.3		1441	Baggie	1	Ice	Soil	X		5-Day
38	0.6		1442	Baggie	1	Ice	Soil	X		5-Day
1V039	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
1V040	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

I.M 1/2
IM

Reliquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 1/29/03
Time: 16:30

Received By: [illegible]
Print Name: Will Franny
Date: 1/29/03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

Company:
IT Corporation
1326 North Market Boulevard
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Laboratory:
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153391

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT	
1	B78-3.0-0.0	01/29/03	1110	Baggie	1	Ice	Soil	X		5-Day	
2	B78-3.0-0.3	↓	1111	Baggie	1	Ice	Soil	X		5-Day	
3	B78-3.0-0.6	↓	1112	Baggie	1	Ice	Soil	X		5-Day	
4	B59-EP-0.0	↓	1135	Baggie	1	Ice	Soil	X		5-Day	
5	B59-EP-0.3	↓	1136	Baggie	1	Ice	Soil	X		5-Day	
6	B59-EP-0.6	↓	1137	Baggie	1	Ice	Soil	X		5-Day	
7	B58-PS-0.3	↓	1145	Baggie	1	Ice	Soil	X		5-Day	
8	B58-PS 0.6	↓	1146	Baggie	1	Ice	Soil	X		5-Day	
9	B58-EP-0.0	↓	1150	Baggie	1	Ice	Soil	X		5-Day	
10	B58-EP-0.3	↓	1151	Baggie	1	Ice	Soil	X		5-Day	
11	B58-EP-0.6	↓	1152	Baggie	1	Ice	Soil	X		5-Day	
12	B57-PS-0.3	↓	—	~~Baggie~~	~~1~~	~~Ice~~	~~Soil~~	No Sample		~~5-Day~~	I.M
13	— 0.6	↓	—	~~Baggie~~	~~1~~	~~Ice~~	~~Soil~~	No Sample		~~5-Day~~	I.M
14	B57-EP-0.0	01/29/03	1215	Baggie	1	Ice	Soil			5-Day	
15	B57-EP-0.3	↓	1218	Baggie	1	Ice	Soil			5-Day	
16	B57-EP-0.6	↓	1219	Baggie	1	Ice	Soil			5-Day	
17	B56-EP-0.0	↓	1225	Baggie	1	Ice	Soil			5-Day	
18	B56-EP-0.3	↓	1226	Baggie	1	Ice	Soil			5-Day	
19	B56-EP-0.6	↓	1227	Baggie	1	Ice	Soil			5-Day	
20	B38-EP-0.0	↓	1300	Baggie	1	Ice	Soil			5-Day	
21	B38-EP-0.3	↓	1301	Baggie	1	Ice	Soil			5-Day	
22	B38-EP-0.6	↓	1302	Baggie	1	Ice	Soil			5-Day	
23	B38-EP-0.9	↓	1303	Baggie	1	Ice	Soil			5-Day	
24	B21-EP-0.0	01/29/03	1320	Baggie	1	Ice	Soil			5-Day	
25	0.3	↓	1321	Baggie	1	Ice	Soil			5-Day	
26	0.6	↓	1322	Baggie	1	Ice	Soil			5-Day	
27	[redacted]	↓	[redacted]	[redacted]	[redacted]	[redacted]	Soil	[redacted]		[redacted]	I.M 1/2
28	B21-1.5-0.0	↓	1325	Baggie	1	Ice	Soil			5-Day	
29	0.3	↓	1326	Baggie	1	Ice	Soil			5-Day	
30	0.6	↓	1327	Baggie	1	Ice	Soil			5-Day	
31	B21-3.0-0.0	↓	1330	Baggie	1	Ice	Soil			5-Day	
32	0.3	↓	1331	Baggie	1	Ice	Soil			5-Day	
33	0.6	↓	1332	Baggie	1	Ice	Soil			5-Day	
34	B18-EP-0.0	01/29/03	1340	Baggie	1	Ice	Soil			5-Day	
35	0.3	↓	1341	Baggie	1	Ice	Soil			5-Day	
36	0.6	↓	1342	Baggie	1	Ice	Soil			5-Day	
37	B18-1.5-0.0	↓	1345	Baggie	1	Ice	Soil			5-Day	
38	0.3	↓	1346	Baggie	1	Ice	Soil			5-Day	
39	0.6	↓	1347	Baggie	1	Ice	Soil			5-Day	
40	[redacted]			[redacted]			Soil	[redacted]		[redacted]	I.M 1/29/

Relinquished By:	Received By:	Received By:
Print Name: Joey Rhoades	Print Name: Will Flems	Print Name:
Date: 1/29/03	Date: 1-29-03	Date:
Time: 16:30	Time: 16:30	Time:

CHAIN OF CUSTODY

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15391

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B11-EP-0.0	01/29/03	1450	Acetate Sleeve	1	Ice	Soil	X		5-Day
2	0.3		1451	Acetate Sleeve	1	Ice	Soil	X		5-Day
3	0.6		1452	Acetate Sleeve	1	Ice	Soil	X		5-Day
4	B11-1.5-0.0		1455	Acetate Sleeve	1	Ice	Soil	X		5-Day
5	0.3			Acetate Sleeve	1	Ice	Soil	X		5-Day
6	0.6			Acetate Sleeve	1	Ice	Soil	X		5-Day
7	B11-3.0-0.0		1500	Acetate Sleeve	1	Ice	Soil	X		5-Day
8	0.3			Acetate Sleeve	1	Ice	Soil	X		5-Day
9	0.6			Acetate Sleeve	1	Ice	Soil	X		5-Day
10				Acetate Sleeve	1	Ice	Soil			5-Day
11				Acetate Sleeve	1	Ice	Soil			5-Day
12				Acetate Sleeve	1	Ice	Soil			5-Day
13				Acetate Sleeve	1	Ice	Soil			5-Day
14				Acetate Sleeve	1	Ice	Soil			5-Day
15				Acetate Sleeve	1	Ice	Soil			5-Day
16				Acetate Sleeve	1	Ice	Soil			5-Day
17				Acetate Sleeve	1	Ice	Soil			5-Day
18				Acetate Sleeve	1	Ice	Soil			5-Day
19				Acetate Sleeve	1	Ice	Soil			5-Day
20				Acetate Sleeve	1	Ice	Soil			5-Day
21				Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil			5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By:	Jody Rhoades	Received By:	Received By:
Print Name:	Jody Rhoades	Print Name: WIL Henry	Print Name:
Date:	1/29/03	Date: 1-29-03	Date:
Time:	1630	Time: 16:30	Time:

CHAIN OF CUSTODY

15391

Company:
IT Corporation
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Sacramento, CA 95834
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Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B23-1.5-0	1/29/03	12:45	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
2	B23-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	B23-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	B23-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
5	B23-3-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	B23-3-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
7	B22-EP-0		13:00	Acetate Sleeve	1	Ice	Soil			5-Day
8	B22-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
9	B22-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
10	B22-EP-0.9			Acetate Sleeve	1	Ice	Soil		X	5-Day
11	B22-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
12	B22-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
13	B22-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
14	B22-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
15	B22-3-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
16	B22-3-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
17	B20-EP-0		13:20	Acetate Sleeve	1	Ice	Soil			5-Day
18	B20-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
19	B20-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
20	B20-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
21	B20-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
22	B20-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
23	B20-1.5-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
24	B19-EP-0		13:35	Acetate Sleeve	1	Ice	Soil			5-Day
25	B19-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
26	B19-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
27	B19-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
28	B19-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
29	B19-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
30	B17-EP-0		13:55	Acetate Sleeve	1	Ice	Soil			5-Day
31	B17-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
32	B17-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
33	B17-EP-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
34	B17-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
35	B17-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
36	B17-1.5-0.6			Acetate Sleeve	1	Ice	Soil		X	5-Day
37	B17-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
38	B17-3-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
39	B17-3-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By:	[signature]	Received By: [signature]	Received By:
Print Name:	Jody Rhoades	Print Name: Will Kenny	Print Name:
Date:	1/29/03	Date: 1-29-03	Date:
Time:	16:30	Time: 16:30	Time:

CHAIN OF CUSTODY

15391

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Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT	
✓1	B15-EP-0	1/29/03	14:15	Acetate Sleeve	1	Ice	Soil	X		5-Day	
✓2	B15-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day	
✓3	B15-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day	
✓4	B15-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day	
✓5	B15-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day	
✓6	B15-1.5-0.6			Acetate Sleeve	1	Ice	Soil		X	5-Day	
✓7	B13-EP-0		14:40	Acetate Sleeve	1	Ice	Soil			5-Day	
✓8	B13-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day	
✓9	B13-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day	
✓10	B13-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day	
✓11	B13-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day	
✓12	B13-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day	
✓13	B23-3-0.9			Acetate Sleeve	1	Ice	Soil			5-Day	
NO 14				Acetate Sleeve	1	Ice	Soil			5-Day	NO
15				Acetate Sleeve	1	Ice	Soil			5-Day	
16				Acetate Sleeve	1	Ice	Soil			5-Day	
17				Acetate Sleeve	1	Ice	Soil			5-Day	
18				Acetate Sleeve	1	Ice	Soil			5-Day	
19				Acetate Sleeve	1	Ice	Soil			5-Day	
20				Acetate Sleeve	1	Ice	Soil			5-Day	
21				Acetate Sleeve	1	Ice	Soil			5-Day	
22				Acetate Sleeve	1	Ice	Soil			5-Day	
23				Acetate Sleeve	1	Ice	Soil			5-Day	
24				Acetate Sleeve	1	Ice	Soil			5-Day	
25				Acetate Sleeve	1	Ice	Soil			5-Day	
26				Acetate Sleeve	1	Ice	Soil			5-Day	
27				Acetate Sleeve	1	Ice	Soil			5-Day	
28				Acetate Sleeve	1	Ice	Soil			5-Day	
29				Acetate Sleeve	1	Ice	Soil			5-Day	
30				Acetate Sleeve	1	Ice	Soil			5-Day	
31				Acetate Sleeve	1	Ice	Soil			5-Day	
32				Acetate Sleeve	1	Ice	Soil			5-Day	
33				Acetate Sleeve	1	Ice	Soil			5-Day	
34				Acetate Sleeve	1	Ice	Soil			5-Day	
35				Acetate Sleeve	1	Ice	Soil			5-Day	
36				Acetate Sleeve	1	Ice	Soil			5-Day	
37				Acetate Sleeve	1	Ice	Soil			5-Day	
38				Acetate Sleeve	1	Ice	Soil			5-Day	
39				Acetate Sleeve	1	Ice	Soil			5-Day	
40				Acetate Sleeve	1	Ice	Soil			5-Day	

Reliquished By:	Jody Choate	Received By:	
Print Name:	Jody Choate	Print Name:	Will Flem
Date:	1/29/03	Date:	1-29-03
Time:	16:30	Time:	16:30

Received By:	
Print Name:	
Date:	
Time:	

CHAIN OF CUSTODY

15341

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
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Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B69-7-0	1/29/03	9:00	Baggie	1	Ice	Soil	X		5-Day
2	B69-10-0			Baggie	1	Ice	Soil		X	5-Day
3	B69-15-0			Baggie	1	Ice	Soil			5-Day
4	B69-20-0			Baggie	1	Ice	Soil			5-Day
no 5	~~B17-6-0~~			Baggie	1	Ice	Soil			5-Day no
6				Baggie	1	Ice	Soil			5-Day
7				Baggie	1	Ice	Soil			5-Day
8				Baggie	1	Ice	Soil			5-Day
9				Baggie	1	Ice	Soil			5-Day
10				Baggie	1	Ice	Soil			5-Day
11				Baggie	1	Ice	Soil			5-Day
12				Baggie	1	Ice	Soil			5-Day
13				Baggie	1	Ice	Soil			5-Day
14				Baggie	1	Ice	Soil			5-Day
15				Baggie	1	Ice	Soil			5-Day
16				Baggie	1	Ice	Soil			5-Day
17				Baggie	1	Ice	Soil			5-Day
18				Baggie	1	Ice	Soil			5-Day
19				Baggie	1	Ice	Soil			5-Day
20				Baggie	1	Ice	Soil			5-Day
21				Baggie	1	Ice	Soil			5-Day
22				Baggie	1	Ice	Soil			5-Day
23				Baggie	1	Ice	Soil			5-Day
24				Baggie	1	Ice	Soil			5-Day
25				Baggie	1	Ice	Soil			5-Day
26				Baggie	1	Ice	Soil			5-Day
27				Baggie	1	Ice	Soil			5-Day
28				Baggie	1	Ice	Soil			5-Day
29				Baggie	1	Ice	Soil			5-Day
30				Baggie	1	Ice	Soil			5-Day
31				Baggie	1	Ice	Soil			5-Day
32				Baggie	1	Ice	Soil			5-Day
33				Baggie	1	Ice	Soil			5-Day
34				Baggie	1	Ice	Soil			5-Day
35				Baggie	1	Ice	Soil			5-Day
36				Baggie	1	Ice	Soil			5-Day
37				Baggie	1	Ice	Soil			5-Day
38				Baggie	1	Ice	Soil			5-Day
39				Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

Reliquished By:	Jody Rhoades	Received By:	Received By:
Print Name:	Jody Rhoades	Print Name: Will Fleur	Print Name:
Date:	1/29/03	Date: 1-29-03	Date:
Time:	16:30	Time: 16:30	Time:

CHAIN OF CUSTODY

15391

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947 •
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B69-4.5-0	1/29/03	9:00	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
2	B69-4.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
3	B69-4.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
4	B69-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
5	B69-3-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
6	B69-3-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
7	B69-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
8	B69-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
9	B69-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
10	B9-EP-0		11:00	Acetate Sleeve	1	Ice	Soil			5-Day
11	B9-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
12	B9-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
13	B9-PS-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
14	B9-PS-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
15	B9-PS-0.9			Acetate Sleeve	1	Ice	Soil			5-Day
16	B8-EP-0		11:30	Acetate Sleeve	1	Ice	Soil			5-Day
17	B8-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
18	B8-EP-0.6			Acetate Sleeve	1	Ice	Soil		X	5-Day
19	B8-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
20	B8-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
21	B8-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
22	B7-EP-0		12:00	Acetate Sleeve	1	Ice	Soil			5-Day
23	B7-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
24	B7-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
25	B7-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
26	B7-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
27	B7-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
28	B24-EP-0		12:30	Acetate Sleeve	1	Ice	Soil			5-Day
29	B24-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
30	B24-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
31	B24-1.5-0			Acetate Sleeve	1	Ice	Soil			5-Day
32	B24-1.5-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
33	B24-1.5-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
34	B24-3-0			Acetate Sleeve	1	Ice	Soil			5-Day
35	B24-3-0.3			Acetate Sleeve	1	Ice	Soil		X	5-Day
36	B24-3-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
37	B23-EP-0		12:45	Acetate Sleeve	1	Ice	Soil			5-Day
38	B23-EP-0.3			Acetate Sleeve	1	Ice	Soil			5-Day
39	B23-EP-0.6			Acetate Sleeve	1	Ice	Soil			5-Day
40	B17-6-0		19:00	Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: Jody Rhoads
Print Name: Jody Rhoads
Date: 1/29/03
Time: 16:30

Received By: [illegible]
Print Name: W. H. Flemy
Date: 1/29/03
Time: 16:30

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15398 841855 SR680 Sunol Grade
Received	01/31/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15398 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15398001	B10-PS-0.3	8.1	0.10	SU	01/30/03	02/05/03	Soil	1:1
15398019	B14-1.5-0.6	8.3	0.10	SU	01/30/03	02/05/03	Soil	1:1
15398029	B13-PS-0.3	8.7	0.10	SU	01/30/03	02/05/03	Soil	1:1
15398034	B24-4.5-0.0	8.2	0.10	SU	01/30/03	02/05/03	Soil	1:1
15398063	B8-6-0.9	8.6	0.10	SU	01/30/03	02/05/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15398 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15398001	B10-PS-0.3	5.13	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398002	B10-PS-0.6	5.72	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398003	B10-1.5-0.0	31.4	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398004	B10-1.5-0.3	13.4	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398005	B10-1.5-0.6	9.89	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398006	B10-EP-0.0	202	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398007	B10-EP-0.3	9.70	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398008	B10-EP-0.6	8.57	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398009	B10-EP-0.9	21.4	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398010	B10-3.0-0.0	56.5	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398011	B10-3.0-0.3	10.4	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398012	B10-3.0-0.6	10.6	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398013	B21-4.5-0.0	52.9	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398014	B20-6.0-0.0	49.7	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398015	B18-4.5-0.0	59.8	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398016	B14-6.0-0.0	36.9	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398017	B14-1.5-0.0	58.8	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398018	B14-1.5-0.3	32.8	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398019	B14-1.5-0.6	7.78	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398020	B13-3.0-0.0	52.9	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398021	B13-3.0-0.3	6.32	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398022	B13-3.0-0.6	5.03	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398023	B13-3.0-0.9	7.28	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398024	B12-4.5-0.0	15.5	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398025	B16-PS-0.3	6.69	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398026	B16-PS-0.6	5.08	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398027	B15-PS-0.3	6.81	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398028	B15-PS-0.6	9.84	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398029	B13-PS-0.3	5.68	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398030	B13-PS-0.6	5.13	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398031	B13-PS-0.9	4.69	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398032	B12-PS-0.3	4.21	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398033	B12-PS-0.6	6.71	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398034	B24-4.5-0.0	39.4	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15398 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15398035	B23-6-0.0	28.5	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398036	B20-3-0.0	217	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398037	B20-3-0.3	12.7	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398038	B20-3-0.6	9.51	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398039	B19-3-0.0	284	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398040	B19-3-0.3	12.7	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398041	B19-3-0.6	10.4	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398042	B15-3-0.0	56.5	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398043	B15-3-0.3	41.8	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398044	B15-3-0.6	10.5	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398045	B15-4.5-0.0	38.0	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398046	B15-4.5-0.3	10.1	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398047	B15-4.5-0.6	7.83	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398048	B15-4.5-0.9	10.1	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398049	B11-6-0.0	7.07	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398050	B9-1.5-0.0	49.7	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398051	B9-1.5-0.3	6.93	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398052	B9-1.5-0.6	8.40	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398053	B9-3-0.0	40.6	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398054	B9-3-0.3	7.60	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398055	B9-3-0.6	6.15	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398056	B9-4.5-0.0	41.4	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398057	B8-3-0.0	42.9	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398058	B8-3-0.3	6.82	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398059	B8-3-0.6	11.2	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398060	B8-6-0.0	19.5	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398061	B8-6-0.3	7.59	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398062	B8-6-0.6	6.54	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398063	B8-6-0.9	5.96	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398064	B7-3-0.0	36.5	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398065	B7-3-0.3	9.69	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398066	B7-3-0.6	8.65	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1
15398067	B7-3-0.9	8.05	1.0	mg/Kg	01/30/03	02/06/03	Soil	1:1

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CHAIN OF CUSTODY

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

(B FLOOR)

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B10-PS-0.3	01/30/03	12:15	Acetate Sleeve	1	Ice	Soil	X	X	5-Day
2	B10-PS 0.6			Acetate Sleeve	1	Ice	Soil	X		5-Day
3	B10-1.5-0.0		12:20	Acetate Sleeve	1	Ice	Soil	X		5-Day
4	-0.3			Acetate Sleeve	1	Ice	Soil	X		5-Day
5	-0.6			Acetate Sleeve	1	Ice	Soil	X		5-Day
6	B10-EP-0.0		12:25	Acetate Sleeve	1	Ice	Soil	X		5-Day
7	-0.3			Acetate Sleeve	1	Ice	Soil	X		5-Day
8	-0.6			Acetate Sleeve	1	Ice	Soil	X		5-Day
9	-0.9			Acetate Sleeve	1	Ice	Soil	X		5-Day
10	B10-3.0-0.0		12:30	Acetate Sleeve	1	Ice	Soil	X		5-Day
11	0.3			Acetate Sleeve	1	Ice	Soil	X		5-Day
12	0.6			Acetate Sleeve	1	Ice	Soil	X		5-Day
13	B21-4.5-0.0		1305	Acetate Sleeve	1	Ice	Soil	X		5-Day
14	B20-6.0-0.0		1310	Acetate Sleeve	1	Ice	Soil	X		5-Day
15	B18-4.5-0.0		1320	Acetate Sleeve	1	Ice	Soil	X		5-Day
16	B14-6.0-0.0		1355	Acetate Sleeve	1	Ice	Soil	X		5-Day
17	B14-1.5-0.0		1405	Acetate Sleeve	1	Ice	Soil	X		5-Day
18	-0.3			Acetate Sleeve	1	Ice	Soil	X		5-Day
19	-0.6			Acetate Sleeve	1	Ice	Soil	X	X	5-Day
20	B13-3.0-0.0		1415	Acetate Sleeve	1	Ice	Soil	X		5-Day
21	-0.3			Acetate Sleeve	1	Ice	Soil	X		5-Day
22	-0.6			Acetate Sleeve	1	Ice	Soil	X		5-Day
23	-0.9			Acetate Sleeve	1	Ice	Soil	X		5-Day
24	B12-45-0.0		1420	Acetate Sleeve	1	Ice	Soil	X		5-Day
NO 25				Acetate Sleeve	1	Ice	Soil			5-Day NO
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By:	Received By:	Received By:
Print Name: Jody Rhoades	Print Name: Will Fleming	Print Name:
Date: 1/30/03	Date: 1-30-03	Date:
Time: 16:40	Time: 16:40	Time:

CHAIN OF CUSTODY

15398

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B16-PS-0.3	1/30/03	11:00	Acetate Sleeve	1	Ice	Soil			5-Day
2	B16-PS-0.6	↓	↓	Acetate Sleeve	1	Ice	Soil			5-Day
3	B15-PS-0.3		11:20	Acetate Sleeve	1	Ice	Soil			5-Day
4	B15-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
5	B13-PS-0.3		11:45	Acetate Sleeve	1	Ice	Soil		X	5-Day
6	B13-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
7	B13-PS-0.9		↓	Acetate Sleeve	1	Ice	Soil			5-Day
8	B12-PS-0.3		12:10	Acetate Sleeve	1	Ice	Soil			5-Day
9	B12-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			5-Day
10				Acetate Sleeve	1	Ice	Soil			5-Day
11				Acetate Sleeve	1	Ice	Soil			5-Day
12				Acetate Sleeve	1	Ice	Soil			5-Day
13				Acetate Sleeve	1	Ice	Soil			5-Day
14				Acetate Sleeve	1	Ice	Soil			5-Day
15				Acetate Sleeve	1	Ice	Soil			5-Day
16				Acetate Sleeve	1	Ice	Soil			5-Day
17				Acetate Sleeve	1	Ice	Soil			5-Day
18				Acetate Sleeve	1	Ice	Soil			5-Day
19				Acetate Sleeve	1	Ice	Soil			5-Day
20				Acetate Sleeve	1	Ice	Soil			5-Day
21				Acetate Sleeve	1	Ice	Soil			5-Day
22				Acetate Sleeve	1	Ice	Soil			5-Day
23				Acetate Sleeve	1	Ice	Soil			5-Day
24				Acetate Sleeve	1	Ice	Soil			5-Day
25				Acetate Sleeve	1	Ice	Soil			5-Day
26				Acetate Sleeve	1	Ice	Soil			5-Day
27				Acetate Sleeve	1	Ice	Soil			5-Day
28				Acetate Sleeve	1	Ice	Soil			5-Day
29				Acetate Sleeve	1	Ice	Soil			5-Day
30				Acetate Sleeve	1	Ice	Soil			5-Day
31				Acetate Sleeve	1	Ice	Soil			5-Day
32				Acetate Sleeve	1	Ice	Soil			5-Day
33				Acetate Sleeve	1	Ice	Soil			5-Day
34				Acetate Sleeve	1	Ice	Soil			5-Day
35				Acetate Sleeve	1	Ice	Soil			5-Day
36				Acetate Sleeve	1	Ice	Soil			5-Day
37				Acetate Sleeve	1	Ice	Soil			5-Day
38				Acetate Sleeve	1	Ice	Soil			5-Day
39				Acetate Sleeve	1	Ice	Soil			5-Day
40				Acetate Sleeve	1	Ice	Soil			5-Day

Reliquished By: Judy Rhoades
Print Name: Judy Rhoades
Date: 1/30/03
Time: 16:40

Received By: [illegible]
Print Name: Will Fleming
Date: 1-30-03
Time: 16:40

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15398

Company:
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Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
	~~B17-6-0~~	~~1/30/03~~	~~10:00~~	Baggie	1	Ice	Soil			5-Day
2	B24-4.5-0		13:00	Baggie	1	Ice	Soil		X	5-Day
3	B23-6-0		13:10	Baggie	1	Ice	Soil			5-Day
4	B20-3-0		13:25	Baggie	1	Ice	Soil			5-Day
5	B20-3-0.3			Baggie	1	Ice	Soil			5-Day
6	B20-3-0.6			Baggie	1	Ice	Soil			5-Day
7	B19-3-0		13:33	Baggie	1	Ice	Soil			5-Day
8	B19-3-0.3			Baggie	1	Ice	Soil			5-Day
9	B19-3-0.6			Baggie	1	Ice	Soil			5-Day
10	B15-3-0		13:45	Baggie	1	Ice	Soil			5-Day
11	B15-3-0.3			Baggie	1	Ice	Soil			5-Day
12	B15-3-0.6			Baggie	1	Ice	Soil			5-Day
13	B15-4.5-0			Baggie	1	Ice	Soil			5-Day
14	B15-4.5-0.3			Baggie	1	Ice	Soil			5-Day
15	B15-4.5-0.6			Baggie	1	Ice	Soil			5-Day
16	B15-4.5-0.9			Baggie	1	Ice	Soil			5-Day
17	B11-6-0		14:21	Baggie	1	Ice	Soil			5-Day
18	B9-1.5-0		14:32	Baggie	1	Ice	Soil			5-Day
19	B9-1.5-0.3			Baggie	1	Ice	Soil			5-Day
20	B9-1.5-0.6			Baggie	1	Ice	Soil			5-Day
21	B9-3-0			Baggie	1	Ice	Soil			5-Day
22	B9-3-0.3			Baggie	1	Ice	Soil			5-Day
23	B9-3-0.6			Baggie	1	Ice	Soil			5-Day
24	B9-4.5-0			Baggie	1	Ice	Soil			5-Day
25	B8-3-0		14:45	Baggie	1	Ice	Soil			5-Day
26	B8-3-0.3			Baggie	1	Ice	Soil			5-Day
27	B8-3-0.6			Baggie	1	Ice	Soil			5-Day
28	B8-6-0			Baggie	1	Ice	Soil			5-Day
29	B8-6-0.3			Baggie	1	Ice	Soil			5-Day
30	B8-6-0.6			Baggie	1	Ice	Soil			5-Day
31	B8-6-0.9			Baggie	1	Ice	Soil		X	5-Day
32	B7-3-0		15:00	Baggie	1	Ice	Soil			5-Day
33	B7-3-0.3			Baggie	1	Ice	Soil			5-Day
34	B7-3-0.6			Baggie	1	Ice	Soil			5-Day
35	B7-3-0.9			Baggie	1	Ice	Soil			5-Day
36				Baggie	1	Ice	Soil			5-Day
37				Baggie	1	Ice	Soil			5-Day
38				Baggie	1	Ice	Soil			5-Day
39				Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

Reliquished By:	Received By:	Received By:
Print Name: Jody Rhoade	Print Name: [illegible]	Print Name:
Date: 1/30/03	Date:	Date:
Time: 16:40	Time: 1-30-03 16:40	Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15401 841855/SR 680 Sunol Grade
Received	02/03/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15401 **Workorder ID** 841855/SR 680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15401001	B91-EP-0	7.9	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401018	B90-3-0.6	6.6	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401035	B88-1.5-0.3	6.8	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401049	B87-3-0.9	5.7	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401060	B86-3-0.6	6.1	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401076	B75-3-0.3	6.7	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401080	B74-6-0	6.7	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401082	B96-1.5-0	6.8	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401103	B94-3-0.3	7.6	0.10	SU	01/31/03	02/07/03	Soil	1:1
15401118	B92-3-0.6	6.1	0.10	SU	01/31/03	02/07/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15401 **Workorder ID** 841855/SR 680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15401001	B91-EP-0	111	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401002	B91-EP-0.3	40.8	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401003	B91-EP-0.6	7.60	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401004	B91-1.5-0	22.9	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401005	B91-1.5-0.3	40.4	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401006	B91-1.5-0.6	9.85	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401007	B91-3-0	94.3	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401008	B91-3-0.3	50.5	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401009	B91-3-0.6	27.4	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401010	B90-EP-0	174	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401011	B90-EP-0.3	49.9	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401012	B90-EP-0.6	265	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401013	B90-1.5-0	75.8	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401014	B90-1.5-0.3	5.61	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401015	B90-1.5-0.6	4.11	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401016	B90-3-0	37.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401017	B90-3-0.3	4.46	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401018	B90-3-0.6	23.1	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401019	B90-4.5-0	42.3	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401020	B89-EP-0	262	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401021	B89-EP-0.3	177	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401022	B89-EP-0.6	16.6	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401023	B89-EP-0.9	6.96	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401024	B89-1.5-0	178	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401025	B89-1.5-0.3	55.6	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401026	B89-1.5-0.6	6.63	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401027	B89-3-0	118	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401028	B89-3-0.3	41.3	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401029	B89-3-0.6	9.78	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401030	B89-6-0	74.7	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401031	B88-EP-0	347	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401032	B88-EP-0.3	14.9	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401033	B88-EP-0.6	8.42	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401034	B88-1.5-0	90.8	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15401 **Workorder ID** 841855/SR 680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15401035	B88-1.5-0.3	58.8	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401036	B88-1.5-0.6	19.8	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401037	B88-3-0	53.7	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401038	B88-3-0.3	6.00	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401039	B88-3-0.6	8.05	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401040	B87-EP-0	123	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401041	B87-EP-0.3	15.6	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401042	B87-EP-0.6	10.5	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401043	B87-1.5-0	180	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401044	B87-1.5-0.3	106	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401045	B87-1.5-0.6	33.5	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401046	B87-3-0	80.6	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401047	B87-3-0.3	20.3	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401048	B87-3-0.6	10.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401049	B87-3-0.9	5.87	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401050	B87-4.5-0	41.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401051	B86-EP-0	140	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401052	B86-EP-0.3	122	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401053	B86-EP-0.6	16.7	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401054	B86-EP-0.9	16.7	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401055	B86-1.5-0	153	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401056	B86-1.5-0.3	8.50	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401057	B86-1.5-0.6	8.75	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401058	B86-3-0	77.7	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401059	B86-3-0.3	18.2	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401060	B86-3-0.6	7.38	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401061	B86-6-0	86.1	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401062	B76-1.5-0	188	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401063	B76-1.5-0.3	64.2	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401064	B76-1.5-0.6	61.2	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401065	B76-1.5-0.9	10.9	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401066	B76-3-0	135	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401067	B76-3-0.3	8.20	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401068	B76-3-0.6	5.25	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15401 **Workorder ID** 841855/SR 680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15401069	B75-EP-0	226	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401070	B75-EP-0.3	8.05	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401071	B75-EP-0.6	8.36	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401072	B75-1.5-0	108	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401073	B75-1.5-0.3	69.4	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401074	B75-1.5-0.6	5.03	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401075	B75-3-0	78.8	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401076	B75-3-0.3	33.7	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401077	B75-3-0.6	6.47	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401078	B75-3-0.9	5.34	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401079	B75-4.5-0	139	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401080	B74-6-0	90.5	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401081	B72-4.5-0	33.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401082	B96-1.5-0	758	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401083	B96-1.5-0.3	13.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401084	B96-1.5-0.6	13.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401085	B96-3-0	127	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401086	B96-3-0.3	22.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401087	B96-3-0.6	20.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401088	B96-4.5-0	93.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401089	B96-4.5-0.3	73.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401090	B96-4.5-0.6	24.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401091	B96-4.5-0.9	42.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401092	B95-1.5-0	352	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401093	B95-1.5-0.3	90.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401094	B95-1.5-0.6	50.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401095	B95-3-0	156	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401096	B95-3-0.3	21.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401097	B95-3-0.6	17.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401098	B95-6-0	96.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401099	B94-1.5-0	152	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401100	B94-1.5-0.3	5.00	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401101	B94-1.5-0.6	45.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401102	B94-3-0	44.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15401 **Workorder ID** 841855/SR 680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15401103	B94-3-0.3	6.00	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401104	B94-3-0.6	5.00	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401105	B93-1.5-0	103	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401106	B93-1.5-0.3	62.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401107	B93-1.5-0.6	24.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401108	B93-3-0	71.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401109	B93-3-0.3	20.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401110	B93-3-0.6	19.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401111	B93-4.5-0	341	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401112	B92-1.5-0	93.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401113	B92-1.5-0.3	23.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401114	B92-1.5-0.6	43.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401115	B92-1.5-0.9	14.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401116	B92-3-0	65.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401117	B92-3-0.3	11.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401118	B92-3-0.6	7.00	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1
15401119	B92-6-0	50.0	1.0	mg/Kg	01/31/03	02/07/03	Soil	1:1

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B FLOOR

CHAIN OF CUSTODY

Company:
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Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT (5 Day)
1	B91 - EP - 0	1/31/03	11:00	Baggie	1	Ice	Soil	X	X	48 HR
2	B91 - EP - 0.3			Baggie	1	Ice	Soil			48 HR
3	B91 - EP - 0.6			Baggie	1	Ice	Soil			48 HR
4	B91 - 1.5 - 0			Baggie	1	Ice	Soil			48 HR
5	B91 - 1.5 - 0.3			Baggie	1	Ice	Soil			48 HR
6	B91 - 1.5 - 0.6			Baggie	1	Ice	Soil			48 HR
7	B91 - 3 - 0			Baggie	1	Ice	Soil			48 HR
8	B91 - 3 - 0.3			Baggie	1	Ice	Soil			48 HR
9	B91 - 3 - 0.6			Baggie	1	Ice	Soil			48 HR
10	B90 - EP - 0		11:20	Baggie	1	Ice	Soil			48 HR
11	B90 - EP - 0.3			Baggie	1	Ice	Soil			48 HR
12	B90 - EP - 0.6			Baggie	1	Ice	Soil			48 HR
13	B90 - 1.5 - 0			Baggie	1	Ice	Soil			48 HR
14	B90 - 1.5 - 0.3			Baggie	1	Ice	Soil			48 HR
15	B90 - 1.5 - 0.6			Baggie	1	Ice	Soil			48 HR
16	B90 - 3 - 0			Baggie	1	Ice	Soil			48 HR
17	B90 - 3 - 0.3			Baggie	1	Ice	Soil			48 HR
18	B90 - 3 - 0.6			Baggie	1	Ice	Soil		X	48 HR
19	B90 - 4.5 - 0			Baggie	1	Ice	Soil			48 HR
20	B89 - EP - 0		11:40	Baggie	1	Ice	Soil			48 HR
21	B89 - EP - 0.3			Baggie	1	Ice	Soil			48 HR
22	B89 - EP - 0.6			Baggie	1	Ice	Soil			48 HR
23	B89 - EP - 0.9			Baggie	1	Ice	Soil			48 HR
24	B89 - 1.5 - 0			Baggie	1	Ice	Soil			48 HR
25	B89 - 1.5 - 0.3			Baggie	1	Ice	Soil			48 HR
26	B89 - 1.5 - 0.6			Baggie	1	Ice	Soil			48 HR
27	B89 - 3 - 0			Baggie	1	Ice	Soil			48 HR
28	B89 - 3 - 0.3			Baggie	1	Ice	Soil			48 HR
29	B89 - 3 - 0.6			Baggie	1	Ice	Soil			48 HR
30	B89 - 6 - 0			Baggie	1	Ice	Soil			48 HR
31	B88 - EP - 0		12:00	Baggie	1	Ice	Soil			48 HR
32	B88 - EP - 0.3			Baggie	1	Ice	Soil			48 HR
33	B88 - EP - 0.6			Baggie	1	Ice	Soil			48 HR
34	B88 - 1.5 - 0			Baggie	1	Ice	Soil			48 HR
35	B88 - 1.5 - 0.3			Baggie	1	Ice	Soil		X	48 HR
36	B88 - 1.5 - 0.6			Baggie	1	Ice	Soil			48 HR
37	B88 - 3 - 0			Baggie	1	Ice	Soil			48 HR
38	B88 - 3 - 0.3			Baggie	1	Ice	Soil			48 HR
39	B88 - 3 - 0.6			Baggie	1	Ice	Soil			48 HR
40				Baggie	1	Ice	Soil			48 HR

Reliquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 1/31/03
Time: 16:30

Received By: [illegible]
Print Name: WIL FLEMING
Date: 1-31-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

Company:
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Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5 Day TAT
1	B87-EP-0	1/31/03	12:25	Baggie	1	Ice	Soil	X		48 HR
2	B87-EP-0.3			Baggie	1	Ice	Soil			48 HR
3	B87-EP-0.6			Baggie	1	Ice	Soil			48 HR
4	B87-1.5-0			Baggie	1	Ice	Soil			48 HR
5	B87-1.5-0.3			Baggie	1	Ice	Soil			48 HR
6	B87-1.5-0.6			Baggie	1	Ice	Soil			48 HR
7	B87-3-0			Baggie	1	Ice	Soil			48 HR
8	B87-3-0.3			Baggie	1	Ice	Soil			48 HR
9	B87-3-0.6			Baggie	1	Ice	Soil			48 HR
10	B87-3-0.9			Baggie	1	Ice	Soil		X	48 HR
11	B87-4.5-0			Baggie	1	Ice	Soil			48 HR
12	B86-EP-0		12:45	Baggie	1	Ice	Soil			48 HR
13	B86-EP-0.3			Baggie	1	Ice	Soil			48 HR
14	B86-EP-0.6			Baggie	1	Ice	Soil			48 HR
15	B86-EP-0.9			Baggie	1	Ice	Soil			48 HR
16	B86-1.5-0			Baggie	1	Ice	Soil			48 HR
17	B86-1.5-0.3			Baggie	1	Ice	Soil			48 HR
18	B86-1.5-0.6			Baggie	1	Ice	Soil			48 HR
19	B86-3-0			Baggie	1	Ice	Soil			48 HR
20	B86-3-0.3			Baggie	1	Ice	Soil			48 HR
21	B86-3-0.6			Baggie	1	Ice	Soil		X	48 HR
22	B86-6-0			Baggie	1	Ice	Soil			48 HR
23	B76-1.5-0		13:10	Baggie	1	Ice	Soil			48 HR
24	B76-1.5-0.3			Baggie	1	Ice	Soil			48 HR
25	B76-1.5-0.6			Baggie	1	Ice	Soil			48 HR
26	B76-1.5-0.9			Baggie	1	Ice	Soil			48 HR
27	B76-3-0			Baggie	1	Ice	Soil			48 HR
28	B76-3-0.3			Baggie	1	Ice	Soil			48 HR
29	B76-3-0.6			Baggie	1	Ice	Soil			48 HR
30	B75-EP-0		13:20	Baggie	1	Ice	Soil			48 HR
31	B75-EP-0.3			Baggie	1	Ice	Soil			48 HR
32	B75-EP-0.6			Baggie	1	Ice	Soil			48 HR
33	B75-1.5-0			Baggie	1	Ice	Soil			48 HR
34	B75-1.5-0.3			Baggie	1	Ice	Soil			48 HR
35	B75-1.5-0.6			Baggie	1	Ice	Soil			48 HR
36	B75-3-0			Baggie	1	Ice	Soil			48 HR
37	B75-3-0.3			Baggie	1	Ice	Soil		X	48 HR
38	B75-3-0.6			Baggie	1	Ice	Soil			48 HR
39	B75-3-0.9			Baggie	1	Ice	Soil			48 HR
40	B75-4.5-0			Baggie	1	Ice	Soil			48 HR

Relinquished By:	Jody Rhoades	Received By:	Received By:
Print Name:	Jody Rhoades	Print Name:	Print Name:
Date:	1/31/03	Date: 1-31-03	Date:
Time:	16:30	Time: 16:30	Time:

CHAIN OF CUSTODY

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Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5 Day TAT
✓ 1	B74-6-0	1/31/03	13:50	Baggie	1	Ice	Soil	X	X	48 HR
✓ 2	B72-4.5-0		13:55	Baggie	1	Ice	Soil			48 HR
3				Baggie	1	Ice	Soil			48 HR
4				Baggie	1	Ice	Soil			48 HR
5				Baggie	1	Ice	Soil			48 HR
6				Baggie	1	Ice	Soil			48 HR
7				Baggie	1	Ice	Soil			48 HR
8				Baggie	1	Ice	Soil			48 HR
9				Baggie	1	Ice	Soil			48 HR
10				Baggie	1	Ice	Soil			48 HR
11				Baggie	1	Ice	Soil			48 HR
12				Baggie	1	Ice	Soil			48 HR
13				Baggie	1	Ice	Soil			48 HR
14				Baggie	1	Ice	Soil			48 HR
15				Baggie	1	Ice	Soil			48 HR
16				Baggie	1	Ice	Soil			48 HR
17				Baggie	1	Ice	Soil			48 HR
18				Baggie	1	Ice	Soil			48 HR
19				Baggie	1	Ice	Soil			48 HR
20				Baggie	1	Ice	Soil			48 HR
21				Baggie	1	Ice	Soil			48 HR
22				Baggie	1	Ice	Soil			48 HR
23				Baggie	1	Ice	Soil			48 HR
24				Baggie	1	Ice	Soil			48 HR
25				Baggie	1	Ice	Soil			48 HR
26				Baggie	1	Ice	Soil			48 HR
27				Baggie	1	Ice	Soil			48 HR
28				Baggie	1	Ice	Soil			48 HR
29				Baggie	1	Ice	Soil			48 HR
30				Baggie	1	Ice	Soil			48 HR
31				Baggie	1	Ice	Soil			48 HR
32				Baggie	1	Ice	Soil			48 HR
33				Baggie	1	Ice	Soil			48 HR
34				Baggie	1	Ice	Soil			48 HR
35				Baggie	1	Ice	Soil			48 HR
36				Baggie	1	Ice	Soil			48 HR
37				Baggie	1	Ice	Soil			48 HR
38				Baggie	1	Ice	Soil			48 HR
39				Baggie	1	Ice	Soil			48 HR
40				Baggie	1	Ice	Soil			48 HR

Reliquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 1/31/03
Time: 16:30

Received By: W Clement
Print Name: WILLIAM CLEMENT
Date: 1-31-03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

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Laboratory:
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Phone: 916-362-8947
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Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Baggie Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5 Day TAT
1	B96 -1.5- 0	1/31/03	9:30	Acetate Sleeve	1	Ice	Soil	X	X	48 HR
2	B96-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
3	B96-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
4	B96-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
5	B96-3-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
6	B96-3-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
7	B96-4.5-0			Acetate Sleeve	1	Ice	Soil			48 HR
8	B96-4.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
9	B96-4.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
10	B96-4.5-0.9			Acetate Sleeve	1	Ice	Soil			48 HR
11	B95-1.5-0		9:45	Acetate Sleeve	1	Ice	Soil			48 HR
12	B95-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
13	B95-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
14	B95-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
15	B95-3-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
16	B95-3-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
17	B95-6-0			Acetate Sleeve	1	Ice	Soil			48 HR
18	B94-1.5-0		9:55	Acetate Sleeve	1	Ice	Soil			48 HR
19	B94-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
20	B94-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
21	B94-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
22	B94-3-0.3			Acetate Sleeve	1	Ice	Soil		X	48 HR
23	B94-3-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
24	B93-1.5-0		10:15	Acetate Sleeve	1	Ice	Soil			48 HR
25	B93-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
26	B93-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
27	B93-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
28	B93-3-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
29	B93-3-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
30	B93-4.5-0			Acetate Sleeve	1	Ice	Soil			48 HR
31	B92-1.5-0		10:30	Acetate Sleeve	1	Ice	Soil			48 HR
32	B92-1.5-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
33	B92-1.5-0.6			Acetate Sleeve	1	Ice	Soil			48 HR
34	B92-1.5-0.9			Acetate Sleeve	1	Ice	Soil			48 HR
35	B92-3-0			Acetate Sleeve	1	Ice	Soil			48 HR
36	B92-3-0.3			Acetate Sleeve	1	Ice	Soil			48 HR
37	B92-3-0.6			Acetate Sleeve	1	Ice	Soil		X	48 HR
38	B92-6-0			Acetate Sleeve	1	Ice	Soil			48 HR
39				Acetate Sleeve	1	Ice	Soil			48 HR
40				Acetate Sleeve	1	Ice	Soil			48 HR

Relinquished By:	Received By:	Received By:
Print Name: Jody Rhoades	Print Name: W/L Fleming	Print Name:
Date: 1/31/03	Date: 1-31-03	Date:
Time: 16:30	Time: 1630	Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15406 841855 SR680 Sunol Grade
Received	02/04/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15406 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15406001	B64-1.5-0	8.7	0.10	SU	02/03/03	02/07/03	Soil	1:1
15406015	B62-1.5-0.3	8.1	0.10	SU	02/03/03	02/07/03	Soil	1:1
15406037	B60-4.5-0.9	9.0	0.10	SU	02/03/03	02/07/03	Soil	1:1
15406041	B59-3-0	8.5	0.10	SU	02/03/03	02/07/03	Soil	1:1
15406064	B54-3-0.6	8.7	0.10	SU	02/03/03	02/07/03	Soil	1:1
15406075	B71-3-0.3	8.6	0.10	SU	02/03/03	02/07/03	Soil	1:1
15406093	B67-1.5-0.6	8.8	0.10	SU	02/03/03	02/07/03	Soil	1:1
15406113	B65-6-0.9	8.5	0.10	SU	02/03/03	02/07/03	Soil	1:1
15406115	B91-PS-0.6	8.3	0.10	SU	02/03/03	02/07/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15406 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15406001	B64-1.5-0	119	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406002	B64-1.5-0.3	158	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406003	B64-1.5-0.6	33.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406004	B64-3-0	74.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406005	B64-3-0.3	47.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406006	B64-3-0.6	65.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406007	B63-1.5-0	118	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406008	B63-1.5-0.3	47.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406009	B63-1.5-0.6	63.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406010	B63-3-0	60.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406011	B63-3-0.3	22.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406012	B63-3-0.6	43.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406013	B63-4.5-0	47.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406014	B62-1.5-0	126	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406015	B62-1.5-0.3	245	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406016	B62-1.5-0.6	78.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406017	B62-3-0	54.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406018	B62-3-0.3	6.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406019	B62-3-0.6	45.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406020	B62-6-0	34.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406021	B61-1.5-0	150	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406022	B61-1.5-0.3	97.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406023	B61-1.5-0.6	76.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406024	B61-3-0	46.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406025	B61-3-0.3	34.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406026	B61-3-0.6	6.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406027	B60-1.5-0	85.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406028	B60-1.5-0.3	70.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406029	B60-1.5-0.6	72.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406030	B60-1.5-0.9	39.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406031	B60-3-0	65.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406032	B60-3-0.3	15.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406033	B60-3-0.6	26.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406034	B60-4.5-0	32.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15406 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15406035	B60-4.5-0.3	12.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406036	B60-4.5-0.6	28.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406037	B60-4.5-0.9	4.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406038	B59-1.5-0	66.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406039	B59-1.5-0.3	44.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406040	B59-1.5-0.6	33.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406041	B59-3-0	36.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406042	B59-3-0.3	11.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406043	B59-3-0.6	10.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406044	B59-6-0	16.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406045	B58-1.5-0	94.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406046	B58-1.5-0.3	230	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406047	B58-1.5-0.6	13.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406048	B58-3-0	67.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406049	B58-3-0.3	26.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406050	B58-3-0.6	16.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406051	B58-3-0.9	5.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406052	B57-1.5-0	287	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406053	B57-1.5-0.3	78.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406054	B57-1.5-0.6	40.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406055	B57-3-0	33.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406056	B57-3-0.3	9.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406057	B57-3-0.6	15.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406058	B57-4.5-0	27.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406059	B54-1.5-0	234	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406060	B54-1.5-0.3	206	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406061	B54-1.5-0.6	75.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406062	B54-3-0	167	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406063	B54-3-0.3	58.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406064	B54-3-0.6	10.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406065	B54-4.5-0	50.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406066	B53-6-0	58.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406067	B52-1.5-0	77.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406068	B52-1.5-0.3	42.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15406 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15406069	B52-1.5-0.6	55.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406070	B52-1.5-0.9	37.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406071	B52-3-0	116	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406072	B52-3-0.3	9.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406073	B52-3-0.6	11.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406074	B71-3-0	98.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406075	B71-3-0.3	31.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406076	B71-3-0.6	3.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406077	B71-6-0	51.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406078	B70-1.5-0	324	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406079	B70-1.5-0.3	9.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406080	B70-1.5-0.6	6.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406081	B70-3-0	213	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406082	B70-3-0.3	69.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406083	B68-1.5-0	320	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406084	B68-1.5-0.3	23.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406085	B68-1.5-0.6	8.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406086	B68-1.5-0.9	11.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406087	B68-3-0	97.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406088	B68-3-0.3	6.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406089	B68-3-0.6	7.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406090	B68-6-0	19.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406091	B67-1.5-0	236	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406092	B67-1.5-0.3	104	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406093	B67-1.5-0.6	5.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406094	B67-3-0	79.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406095	B67-3-0.3	19.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406096	B67-3-0.6	12.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406097	B66-1.5-0	124	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406098	B66-1.5-0.3	147	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406099	B66-1.5-0.6	8.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406100	B66-3-0	120	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406101	B66-3-0.3	16.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406102	B66-3-0.6	4.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15406 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15406103	B66-4.5-0	39.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406104	B65-1.5-0	233	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406105	B65-1.5-0.3	216	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406106	B65-1.5-0.6	25.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406107	B65-3-0	155	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406108	B65-3-0.3	39.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406109	B65-3-0.6	24.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406110	B65-6-0	27.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406111	B65-6-0.3	21.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406112	B65-6-0.6	11.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406113	B65-6-0.9	22.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406114	B91-PS-0.3	6.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406115	B91-PS-0.6	3.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406116	B90-PS-0.3	11.0	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406117	B90-PS-0.6	3.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406118	B90-PS-0.9	4.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406119	B88-PS-0.3	3.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406120	B88-PS-0.6	4.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406121	B87-PS-0.3	3.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1
15406122	B87-PS-0.6	3.00	1.0	mg/Kg	02/03/03	02/06/03	Soil	1:1

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Company:
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Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5 Day TAT
1	B64-1.5-0	2-3	1150	Baggie	1	Ice	Soil	X	X	48 HR
2	B64-1.5-0.3			Baggie	1	Ice	Soil			48 HR
3	B64-1.5-0.6			Baggie	1	Ice	Soil			48 HR
4	B64-3-0			Baggie	1	Ice	Soil			48 HR
5	B64-3-0.3			Baggie	1	Ice	Soil			48 HR
6	B64-3-0.6			Baggie	1	Ice	Soil			48 HR
7	B63-1.5-0		1200	Baggie	1	Ice	Soil			48 HR
8	B63-1.5-0.3			Baggie	1	Ice	Soil			48 HR
9	B63-1.5-0.6			Baggie	1	Ice	Soil			48 HR
10	B63-3-0			Baggie	1	Ice	Soil			48 HR
11	B63-3-0.3			Baggie	1	Ice	Soil			48 HR
12	B63-3-0.6			Baggie	1	Ice	Soil			48 HR
13	B63-4.5-0			Baggie	1	Ice	Soil			48 HR
14	B62-1.5-0		1215	Baggie	1	Ice	Soil			48 HR
15	B62-1.5-0.3			Baggie	1	Ice	Soil		X	48 HR
16	B62-1.5-0.6			Baggie	1	Ice	Soil			48 HR
17	B62-3-0			Baggie	1	Ice	Soil			48 HR
18	B62-3-0.3			Baggie	1	Ice	Soil			48 HR
19	B62-3-0.6			Baggie	1	Ice	Soil			48 HR
20	B62-6-0			Baggie	1	Ice	Soil			48 HR
21	B61-1.5-0		12:30	Baggie	1	Ice	Soil			48 HR
22	B61-1.5-0.3			Baggie	1	Ice	Soil			48 HR
23	B61-1.5-0.6			Baggie	1	Ice	Soil			48 HR
24	B61-3-0			Baggie	1	Ice	Soil			48 HR
25	B61-3-0.3			Baggie	1	Ice	Soil			48 HR
26	B61-3-0.6			Baggie	1	Ice	Soil			48 HR
27	B60-1.5-0		1245	Baggie	1	Ice	Soil			48 HR
28	B60-1.5-0.3			Baggie	1	Ice	Soil			48 HR
29	B60-1.5-0.6			Baggie	1	Ice	Soil			48 HR
30	B60-1.5-0.9			Baggie	1	Ice	Soil			48 HR
31	B60-3-0			Baggie	1	Ice	Soil			48 HR
32	B60-3-0.3			Baggie	1	Ice	Soil			48 HR
33	B60-3-0.6			Baggie	1	Ice	Soil			48 HR
34	B60-4.5-0			Baggie	1	Ice	Soil			48 HR
35	B60-4.5-0.3			Baggie	1	Ice	Soil			48 HR
36	B60-4.5-0.6			Baggie	1	Ice	Soil			48 HR
37	B60-4.5-0.9			Baggie	1	Ice	Soil		X	48 HR
38	B59-1.5-0		1305	Baggie	1	Ice	Soil			48 HR
39	B59-1.5-0.3			Baggie	1	Ice	Soil			48 HR
40	B59-1.5-0.6			Baggie	1	Ice	Soil			48 HR

Reliquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 2/3/03
Time: 16:00

Received By: [illegible]
Print Name: [illegible]
Date: 2-3-03
Time: 16:00

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15406

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
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3050 Fite Circle, Suite 112, Sacramento, CA 95827
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Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5 Day TAT
1	B59-3-0	2-3	1305	Baggie	1	Ice	Soil	X	X	48 HR
2	B59-3-0.3			Baggie	1	Ice	Soil			48 HR
3	B59-3-0.6			Baggie	1	Ice	Soil			48 HR
4	B59-6-0			Baggie	1	Ice	Soil			48 HR
5	B58-1.5-0		1320	Baggie	1	Ice	Soil			48 HR
6	B58-1.5-0.3			Baggie	1	Ice	Soil			48 HR
7	B58-1.5-0.6			Baggie	1	Ice	Soil			48 HR
8	B58-3-0			Baggie	1	Ice	Soil			48 HR
9	B58-3-0.3			Baggie	1	Ice	Soil			48 HR
10	B58-3-0.6			Baggie	1	Ice	Soil			48 HR
11	B58-3-0.9			Baggie	1	Ice	Soil			48 HR
12	B57-1.5-0		1335	Baggie	1	Ice	Soil			48 HR
13	B57-1.5-0.3			Baggie	1	Ice	Soil			48 HR
14	B57-1.5-0.6			Baggie	1	Ice	Soil			48 HR
15	B57-3-0			Baggie	1	Ice	Soil			48 HR
16	B57-3-0.3			Baggie	1	Ice	Soil			48 HR
17	B57-3-0.6			Baggie	1	Ice	Soil			48 HR
18	B57-4.5-0			Baggie	1	Ice	Soil			48 HR
19	B54-1.5-0		1355	Baggie	1	Ice	Soil			48 HR
20	B54-1.5-0.3			Baggie	1	Ice	Soil			48 HR
21	B54-1.5-0.6			Baggie	1	Ice	Soil			48 HR
22	B54-3-0			Baggie	1	Ice	Soil			48 HR
23	B54-3-0.3			Baggie	1	Ice	Soil			48 HR
24	B54-3-0.6			Baggie	1	Ice	Soil		X	48 HR
25	B54-4.5-0			Baggie	1	Ice	Soil			48 HR
26	B53-6-0		1410	Baggie	1	Ice	Soil			48 HR
27	B52-1.5-0		1435	Baggie	1	Ice	Soil			48 HR
28	B52-1.5-0.3			Baggie	1	Ice	Soil			48 HR
29	B52-1.5-0.6			Baggie	1	Ice	Soil			48 HR
30	B52-1.5-0.9			Baggie	1	Ice	Soil			48 HR
31	B52-3-0			Baggie	1	Ice	Soil			48 HR
32	B52-3-0.3			Baggie	1	Ice	Soil			48 HR
33	B52-3-0.6			Baggie	1	Ice	Soil			48 HR
34				Baggie	1	Ice	Soil			48 HR
35				Baggie	1	Ice	Soil			48 HR
36				Baggie	1	Ice	Soil			48 HR
37				Baggie	1	Ice	Soil			48 HR
38				Baggie	1	Ice	Soil			48 HR
39				Baggie	1	Ice	Soil			48 HR
40				Baggie	1	Ice	Soil			48 HR

Reliquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 2/3/03
Time: 16:00

Received By: [signature]
Print Name: Will Fleming
Date: 2-7-03
Time: 16:00

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15406

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5 Day TAT
1	B71-3-0	2/3	09:35	Baggie	1	Ice	Soil	X		48 HR
2	B71-3-0.3			Baggie	1	Ice	Soil		X	48 HR
3	B71-3-0.6			Baggie	1	Ice	Soil			48 HR
4	B71-6-0			Baggie	1	Ice	Soil			48 HR
5	B70-1.5-0		09:55	Baggie	1	Ice	Soil			48 HR
6	B70-1.5-0.3			Baggie	1	Ice	Soil			48 HR
7	B70-1.5-0.6			Baggie	1	Ice	Soil			48 HR
8	B70-3-0			Baggie	1	Ice	Soil			48 HR
9	B70-3-0.3			Baggie	1	Ice	Soil			48 HR
10	B68-1.5-0		1020	Baggie	1	Ice	Soil			48 HR
11	B68-1.5-0.3			Baggie	1	Ice	Soil			48 HR
12	B68-1.5-0.6			Baggie	1	Ice	Soil			48 HR
13	B68-1.5-0.9			Baggie	1	Ice	Soil			48 HR
14	B68-3-0			Baggie	1	Ice	Soil			48 HR
15	B68-3-0.3			Baggie	1	Ice	Soil			48 HR
16	B68-3-0.6			Baggie	1	Ice	Soil			48 HR
17	B68-6-0			Baggie	1	Ice	Soil			48 HR
18	B67-1.5-0		1045	Baggie	1	Ice	Soil			48 HR
19	B67-1.5-0.3			Baggie	1	Ice	Soil			48 HR
20	B67-1.5-0.6			Baggie	1	Ice	Soil		X	48 HR
21	B67-3-0			Baggie	1	Ice	Soil			48 HR
22	B67-3-0.3			Baggie	1	Ice	Soil			48 HR
23	B67-3-0.6			Baggie	1	Ice	Soil			48 HR
24	B66-1.5-0		1105	Baggie	1	Ice	Soil			48 HR
25	B66-1.5-0.3			Baggie	1	Ice	Soil			48 HR
26	B66-1.5-0.6			Baggie	1	Ice	Soil			48 HR
27	B66-3-0			Baggie	1	Ice	Soil			48 HR
28	B66-3-0.3			Baggie	1	Ice	Soil			48 HR
29	B66-3-0.6			Baggie	1	Ice	Soil			48 HR
30	B66-4.5-0			Baggie	1	Ice	Soil			48 HR
31	B65-1.5-0		11:30	Baggie	1	Ice	Soil			48 HR
32	B65-1.5-0.3			Baggie	1	Ice	Soil			48 HR
33	B65-1.5-0.6			Baggie	1	Ice	Soil			48 HR
34	B65-3-0			Baggie	1	Ice	Soil			48 HR
35	B65-3-0.3			Baggie	1	Ice	Soil			48 HR
36	B65-3-0.6			Baggie	1	Ice	Soil			48 HR
37	B65-6-0			Baggie	1	Ice	Soil			48 HR
38	B65-6-0.3			Baggie	1	Ice	Soil			48 HR
39	B65-6-0.6			Baggie	1	Ice	Soil			48 HR
40	B65-6-0.9			Baggie	1	Ice	Soil		X	48 HR

Relinquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 2/3/03
Time: 16:00

Received By: [illegible]
Print Name: Will Fleming
Date: 2-3-03
Time: 16:00

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

15406

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Chang

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	5 Day TAT
✓1	B91-PS-0.3	2/3/03	9:30	Acetate Sleeve	1	Ice	Soil	X		48 HR
✓2	B91-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil		X	48 HR
✓3	B90-PS-0.3		10:00	Acetate Sleeve	1	Ice	Soil			48 HR
✓4	B90-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			48 HR
✓5	B90-PS-0.9		↓	Acetate Sleeve	1	Ice	Soil			48 HR
✓6	B88-PS-0.3		10:10	Acetate Sleeve	1	Ice	Soil			48 HR
✓7	B88-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil			48 HR
✓8	B87-PS-0.3		10:20	Acetate Sleeve	1	Ice	Soil			48 HR
✓9	B87-PS-0.6		↓	Acetate Sleeve	1	Ice	Soil	↓		48 HR
10				Acetate Sleeve	1	Ice	Soil			48 HR
11				Acetate Sleeve	1	Ice	Soil			48 HR
12				Acetate Sleeve	1	Ice	Soil			48 HR
13				Acetate Sleeve	1	Ice	Soil			48 HR
14				Acetate Sleeve	1	Ice	Soil			48 HR
15				Acetate Sleeve	1	Ice	Soil			48 HR
16				Acetate Sleeve	1	Ice	Soil			48 HR
17				Acetate Sleeve	1	Ice	Soil			48 HR
18				Acetate Sleeve	1	Ice	Soil			48 HR
19				Acetate Sleeve	1	Ice	Soil			48 HR
20				Acetate Sleeve	1	Ice	Soil			48 HR
21				Acetate Sleeve	1	Ice	Soil			48 HR
22				Acetate Sleeve	1	Ice	Soil			48 HR
23				Acetate Sleeve	1	Ice	Soil			48 HR
24				Acetate Sleeve	1	Ice	Soil			48 HR
25				Acetate Sleeve	1	Ice	Soil			48 HR
26				Acetate Sleeve	1	Ice	Soil			48 HR
27				Acetate Sleeve	1	Ice	Soil			48 HR
28				Acetate Sleeve	1	Ice	Soil			48 HR
29				Acetate Sleeve	1	Ice	Soil			48 HR
30				Acetate Sleeve	1	Ice	Soil			48 HR
31				Acetate Sleeve	1	Ice	Soil			48 HR
32				Acetate Sleeve	1	Ice	Soil			48 HR
33				Acetate Sleeve	1	Ice	Soil			48 HR
34				Acetate Sleeve	1	Ice	Soil			48 HR
35				Acetate Sleeve	1	Ice	Soil			48 HR
36				Acetate Sleeve	1	Ice	Soil			48 HR
37				Acetate Sleeve	1	Ice	Soil			48 HR
38				Acetate Sleeve	1	Ice	Soil			48 HR
39				Acetate Sleeve	1	Ice	Soil			48 HR
40				Acetate Sleeve	1	Ice	Soil			48 HR

Relinquished By: Jody Rhoades
Print Name: Jody Rhoades
Date: 2/3/03
Time: 16:00

Received By: [illegible]
Print Name: WILFIEMS
Date: 2-3-03
Time: 16:05

Received By:
Print Name:
Date:
Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15416 841855 SR680 Sunol Grade
Received	02/05/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

2950 Fite Circle, Suite 110 - Sacramento, California 95827 - (916) 362-8047 - FAX (916) 362-0047

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15416 **Workorder ID** 841855 SR680 Sunol Grade

Parameter pH
Method 9045 PH

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15416001	B55-1.5-0	7.0	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416015	B48-4.5-0.6	9.0	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416038	B44-3-0.9	8.2	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416042	B43-3-0.6	8.3	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416056	B36-EP-0.3	8.5	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416073	B34-3-0.6	8.2	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416080	B33-3-0	8.1	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416096	B29-EP-0.6	7.4	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416118	B27-1.5-0.3	8.1	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416120	B27-3-0	8.0	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416140	B25-EP-0.6	8.2	0.10	SU	02/04/03	02/07/03	Soil	1:1
15416157	B98-3-0.9	8.4	0.10	SU	02/04/03	02/07/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15416 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15416001	B55-1.5-0	28.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416002	B55-1.5-0.3	18.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416003	B55-1.5-0.6	30.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416004	B55-3-0	99.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416005	B55-3-0.3	101	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416006	B55-3-0.6	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416007	B51-3-0	164	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416008	B51-3-0.3	57.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416009	B51-3-0.6	13.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416010	B51-3-0.9	7.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416011	B51-4.5-0	71.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416012	B50-6-0	28.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416013	B48-4.5-0	32.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416014	B48-4.5-0.3	4.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416015	B48-4.5-0.6	3.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416016	B48-4.5-0.9	3.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416017	B47-6-0	11.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416018	B46-1.5-0	36.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416019	B46-1.5-0.3	20.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416020	B46-1.5-0.6	19.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416021	B46-3-0	74.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416022	B46-3-0.3	72.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416023	B46-3-0.6	23.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416024	B45-1.5-0	27.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416025	B45-1.5-0.3	40.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416026	B45-1.5-0.6	18.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416027	B45-3-0	39.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416028	B45-3-0.3	27.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416029	B45-3-0.6	38.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416030	B45-4.5-0	61.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416031	B44-1.5-0	145	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416032	B44-1.5-0.3	81.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416033	B44-1.5-0.6	20.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416034	B44-1.5-0.9	11.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15416 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15416035	B44-3-0	127	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416036	B44-3-0.3	25.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416037	B44-3-0.6	3.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416038	B44-3-0.9	12.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416039	B44-6-0	28.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416040	B43-3-0	41.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416041	B43-3-0.3	13.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416042	B43-3-0.6	89.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416043	B42-3-0	104	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416044	B42-3-0.3	28.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416045	B42-3-0.6	20.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416046	B42-4.5-0	42.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416047	B41-3-0	94.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416048	B41-3-0.3	20.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416049	B41-3-0.6	9.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416050	B41-6-0	46.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416051	B38-6-0	26.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416052	B37-3-0	15.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416053	B37-3-0.3	27.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416054	B37-3-0.6	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416055	B36-EP-0	17.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416056	B36-EP-0.3	11.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416057	B36-EP-0.6	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416058	B36-1.5-0	51.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416059	B36-1.5-0.3	53.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416060	B36-1.5-0.6	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416061	B36-1.5-0.9	5.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416062	B36-3-0	46.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416063	B36-3-0.3	18.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416064	B36-3-0.6	36.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416065	B36-4.5-0	97.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416066	B35-3-0	36.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416067	B35-3-0.3	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416068	B35-3-0.6	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15416 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15416069	B35-3-0.9	7.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416070	B35-6-0	33.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416071	B34-3-0	18.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416072	B34-3-0.3	7.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416073	B34-3-0.6	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416074	B33-EP-0	59.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416075	B33-EP-0.3	132	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416076	B33-EP-0.6	33.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416077	B33-1.5-0	68.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416078	B33-1.5-0.3	55.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416079	B33-1.5-0.6	13.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416080	B33-3-0	92.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416081	B33-3-0.3	7.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416082	B33-3-0.6	5.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416083	B33-4.5-0	28.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416084	B32-3-0	142	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416085	B32-3-0.3	32.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416086	B32-3-0.6	7.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416087	B32-6-0	48.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416088	B31-3-0	30.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416089	B31-3-0.3	8.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416090	B31-3-0.6	7.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416091	B31-3-0.9	8.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416092	B30-4.5-0	63.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416093	B29-6-0	34.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416094	B29-EP-0	26.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416095	B29-EP-0.3	196	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416096	B29-EP-0.6	32.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416097	B29-EP-0.9	10.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416098	B29-1.5-0	79.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416099	B29-1.5-0.3	ND	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416100	B29-1.5-0.6	8.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416101	B29-3-0	76.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416102	B29-3-0.3	9.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15416 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15416103	B29-3-0.6	12.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416104	B28-EP-0	48.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416105	B28-EP-0.3	289	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416106	B28-EP-0.6	33.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416107	B28-1.5-0	182	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416108	B28-1.5-0.3	31.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416109	B28-1.5-0.6	8.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416110	B28-1.5-0.9	12.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416111	B28-3-0	ND	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416112	B28-3-0.3	7.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416113	B28-3-0.6	5.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416114	B27-EP-0	76.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416115	B27-EP-0.3	14.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416116	B27-EP-0.6	5.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416117	B27-1.5-0	69.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416118	B27-1.5-0.3	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416119	B27-1.5-0.6	4.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416120	B27-3-0	61.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416121	B27-3-0.3	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416122	B27-3-0.6	4.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416123	B27-4.5-0	63.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416124	B27-4.5-0.3	7.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416125	B27-4.5-0.6	2.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416126	B27-4.5-0.9	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416127	B26-EP-0	80.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416128	B26-EP-0.3	87.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416129	B26-EP-0.6	24.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416130	B26-EP-0.9	4.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416131	B26-1.5-0	134	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416132	B26-1.5-0.3	15.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416133	B26-1.5-0.6	5.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416134	B26-3-0	55.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416135	B26-3-0.3	47.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416136	B26-3-0.6	40.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15416 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B Soil Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15416137	B26-6-0	30.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416138	B25-EP-0	15.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416139	B25-EP-0.3	9.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416140	B25-EP-0.6	4.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416141	B25-1.5-0	34.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416142	B25-1.5-0.3	4.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416143	B25-1.5-0.6	4.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416144	B25-3-0	19.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416145	B25-3-0.3	12.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416146	B25-3-0.6	6.00	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416147	B99-3-0	103	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416148	B99-3-0.3	31.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416149	B99-3-0.6	47.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416150	B99-4.5-0	53.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416151	B98-1.5-0	213	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416152	B98-1.5-0.3	132	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416153	B98-1.5-0.6	132	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416154	B98-3-0	111	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416155	B98-3-0.3	10.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416156	B98-3-0.6	27.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416157	B98-3-0.9	24.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416158	B97-3-0	260	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416159	B97-3-0.3	27.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1
15416160	B97-3-0.6	28.0	1.0	mg/Kg	02/04/03	02/06/03	Soil	1:1

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CHAIN OF CUSTODY

B FLOOR

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B55-1.5-0	2/4/03	9:10	Baggie	1	Ice	Soil	X	X	5-Day
2	B55-1.5-0.3			Baggie	1	Ice	Soil			5-Day
3	B55-1.5-0.6			Baggie	1	Ice	Soil			5-Day
4	B55-3-0			Baggie	1	Ice	Soil			5-Day
5	B55-3-0.3			Baggie	1	Ice	Soil			5-Day
6	B55-3-0.6			Baggie	1	Ice	Soil			5-Day
7	B51-3-0		9:20	Baggie	1	Ice	Soil			5-Day
8	B51-3-0.3			Baggie	1	Ice	Soil			5-Day
9	B51-3-0.6			Baggie	1	Ice	Soil			5-Day
10	B51-3-0.9			Baggie	1	Ice	Soil			5-Day
11	B51-4.5-0			Baggie	1	Ice	Soil			5-Day
12	B50-6-0		9:35	Baggie	1	Ice	Soil			5-Day
13	B48-4.5-0		9:45	Baggie	1	Ice	Soil			5-Day
14	B48-4.5-0.3			Baggie	1	Ice	Soil			5-Day
15	B48-4.5-0.6			Baggie	1	Ice	Soil		X	5-Day
16	B48-4.5-0.9			Baggie	1	Ice	Soil			5-Day
17	B47-6-0		9:50	Baggie	1	Ice	Soil			5-Day
18	B46-1.5-0		10:00	Baggie	1	Ice	Soil			5-Day
19	B46-1.5-0.3			Baggie	1	Ice	Soil			5-Day
20	B46-1.5-0.6			Baggie	1	Ice	Soil			5-Day
21	B46-3-0			Baggie	1	Ice	Soil			5-Day
22	B46-3-0.3			Baggie	1	Ice	Soil			5-Day
23	B46-3-0.6			Baggie	1	Ice	Soil			5-Day
24	B45-1.5-0		10:15	Baggie	1	Ice	Soil			5-Day
25	B45-1.5-0.3			Baggie	1	Ice	Soil			5-Day
26	B45-1.5-0.6			Baggie	1	Ice	Soil			5-Day
27	B45-3-0			Baggie	1	Ice	Soil			5-Day
28	B45-3-0.3			Baggie	1	Ice	Soil			5-Day
29	B45-3-0.6			Baggie	1	Ice	Soil			5-Day
30	B45-4.5-0			Baggie	1	Ice	Soil			5-Day
31	B44-1.5-0		10:30	Baggie	1	Ice	Soil			5-Day
32	B44-1.5-0.3			Baggie	1	Ice	Soil			5-Day
33	B44-1.5-0.6			Baggie	1	Ice	Soil			5-Day
34	B44-1.5-0.9			Baggie	1	Ice	Soil			5-Day
35	B44-3-0			Baggie	1	Ice	Soil			5-Day
36	B44-3-0.3			Baggie	1	Ice	Soil			5-Day
37	B44-3-0.6			Baggie	1	Ice	Soil			5-Day
38	B44-3-0.9			Baggie	1	Ice	Soil		X	5-Day
39	B44-6-0			Baggie	1	Ice	Soil			5-Day
40	B43-3-0		10:40	Baggie	1	Ice	Soil			5-Day

Relinquished By:	Received By:	Received By:
Print Name: Jody Rhoades	Print Name: Will Fleming	Print Name:
Date: 2/4/03	Date: 2/4/03	Date:
Time: 16 30	Time: 16:30	Time:

CHAIN OF CUSTODY

15416

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B43-3-0.3	2/4/03	10:40	Baggie	1	Ice	Soil	X		5-Day
2	B43-3-0.6			Baggie	1	Ice	Soil		X	5-Day
3	B42-3-0		11:00	Baggie	1	Ice	Soil			5-Day
4	B42-3-0.3			Baggie	1	Ice	Soil			5-Day
5	B42-3-0.6			Baggie	1	Ice	Soil			5-Day
6	B42-4.5-0			Baggie	1	Ice	Soil			5-Day
7	B41-3-0		11:15	Baggie	1	Ice	Soil			5-Day
8	B41-3-0.3			Baggie	1	Ice	Soil			5-Day
9	B41-3-0.6			Baggie	1	Ice	Soil			5-Day
10	B41-6-0			Baggie	1	Ice	Soil			5-Day
11	B38-6-0		11:20	Baggie	1	Ice	Soil			5-Day
12	B37-3-0		11:30	Baggie	1	Ice	Soil			5-Day
13	B37-3-0.3			Baggie	1	Ice	Soil			5-Day
14	B37-3-0.6			Baggie	1	Ice	Soil			5-Day
15	B36-EP-0		11:45	Baggie	1	Ice	Soil			5-Day
16	B36-EP-0.3			Baggie	1	Ice	Soil		X	5-Day
17	B36-EP-0.6			Baggie	1	Ice	Soil			5-Day
18	B36-1.5-0			Baggie	1	Ice	Soil			5-Day
19	B36-1.5-0.3			Baggie	1	Ice	Soil			5-Day
20	B36-1.5-0.6			Baggie	1	Ice	Soil			5-Day
21	B36-1.5-0.9			Baggie	1	Ice	Soil			5-Day
22	B36-3-0			Baggie	1	Ice	Soil			5-Day
23	B36-3-0.3			Baggie	1	Ice	Soil			5-Day
24	B36-3-0.6			Baggie	1	Ice	Soil			5-Day
25	B36-4.5-0			Baggie	1	Ice	Soil			5-Day
26	B35-3-0		11:55	Baggie	1	Ice	Soil			5-Day
27	B35-3-0.3			Baggie	1	Ice	Soil			5-Day
28	B35-3-0.6			Baggie	1	Ice	Soil			5-Day
29	B35-3-0.9			Baggie	1	Ice	Soil			5-Day
30	B35-6-0			Baggie	1	Ice	Soil			5-Day
31	B34-3-0		12:05	Baggie	1	Ice	Soil			5-Day
32	B34-3-0.3			Baggie	1	Ice	Soil			5-Day
33	B34-3-0.6			Baggie	1	Ice	Soil			5-Day
34	B33-EP-0		12:15	Baggie	1	Ice	Soil			5-Day
35	B33-EP-0.3			Baggie	1	Ice	Soil			5-Day
36	B33-EP-0.6			Baggie	1	Ice	Soil			5-Day
37	B33-1.5-0			Baggie	1	Ice	Soil		X	5-Day
38	B33-1.5-0.3			Baggie	1	Ice	Soil			5-Day
39	B33-1.5-0.6			Baggie	1	Ice	Soil			5-Day
40				Baggie	1	Ice	Soil			5-Day

Reliquished By:	Received By:	Received By:
Print Name: Jody Rhoades	Print Name: Will Fiema	Print Name:
Date: 2/4/03	Date: 2/4/03	Date:
Time: 1630	Time: 16:30	Time:

CHAIN OF CUSTODY

15416

Company:
IT Corporation
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Send Results To:
Martha Adams
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Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
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Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preservative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B33-3-0	2/4/03	12:15	Baggie	1	Ice	Soil	X	X	5-Day
2	B33-3-0.3			Baggie	1	Ice	Soil			5-Day
3	B33-3-0.6			Baggie	1	Ice	Soil			5-Day
4	B33-4.5-0			Baggie	1	Ice	Soil			5-Day
5	B32-3-0		12:35	Baggie	1	Ice	Soil			5-Day
6	B32-3-0.3			Baggie	1	Ice	Soil			5-Day
7	B32-3-0.6			Baggie	1	Ice	Soil			5-Day
8	B32-6-0			Baggie	1	Ice	Soil			5-Day
9	B31-3-0		12:45	Baggie	1	Ice	Soil			5-Day
10	B31-3-0.3			Baggie	1	Ice	Soil			5-Day
11	B31-3-0.6			Baggie	1	Ice	Soil			5-Day
12	B31-3-0.9			Baggie	1	Ice	Soil			5-Day
13	B30-4.5-0		12:55	Baggie	1	Ice	Soil			5-Day
14	B29-6-0		13:10	Baggie	1	Ice	Soil			5-Day
15	B29-EP-0			Baggie	1	Ice	Soil			5-Day
16	B29-EP-0.3			Baggie	1	Ice	Soil			5-Day
17	B29-EP-0.6			Baggie	1	Ice	Soil		X	5-Day
18	B29-EP-0.9			Baggie	1	Ice	Soil			5-Day
19	B29-1.5-0			Baggie	1	Ice	Soil			5-Day
20	B29-1.5-0.3			Baggie	1	Ice	Soil			5-Day
21	B29-1.5-0.6			Baggie	1	Ice	Soil			5-Day
22	B29-3-0			Baggie	1	Ice	Soil			5-Day
23	B29-3-0.3			Baggie	1	Ice	Soil			5-Day
24	B29-3-0.6			Baggie	1	Ice	Soil			5-Day
25	B28-EP-0		13:25	Baggie	1	Ice	Soil			5-Day
26	B28-EP-0.3			Baggie	1	Ice	Soil			5-Day
27	B28-EP-0.6			Baggie	1	Ice	Soil			5-Day
28	B28-1.5-0			Baggie	1	Ice	Soil			5-Day
29	B28-1.5-0.3			Baggie	1	Ice	Soil			5-Day
30	B28-1.5-0.6			Baggie	1	Ice	Soil			5-Day
31	B28-1.5-0.9			Baggie	1	Ice	Soil			5-Day
32	B28-3-0			Baggie	1	Ice	Soil			5-Day
33	B28-3-0.3			Baggie	1	Ice	Soil			5-Day
34	B28-3-0.6			Baggie	1	Ice	Soil			5-Day
35	B27-EP-0		13:35	Baggie	1	Ice	Soil			5-Day
36	B27-EP-0.3			Baggie	1	Ice	Soil			5-Day
37	B27-EP-0.6			Baggie	1	Ice	Soil			5-Day
38	B27-1.5-0			Baggie	1	Ice	Soil			5-Day
39	B27-1.5-0.3			Baggie	1	Ice	Soil		X	5-Day
40	B27-1.5-0.6			Baggie	1	Ice	Soil			5-Day

Reliquished By: Jody Rhoades
Print Name: Jody Rhoades
Date:
Time: 16:30

Received By: [signature]
Print Name: Will Fleming
Date: 2/4/03
Time: 16:30

Received By:
Print Name:
Date:
Time:

CHAIN OF CUSTODY

15416

Company:
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 565-4183 Fax: (916) 565-4356

Laboratory:
Sparger Technology
3050 Fite Circle, Suite 112, Sacramento, CA 95827
Phone: 916-362-8947
Fax: 916-362-0947

Send Results To:
Martha Adams
IT Corporation
1326 North Market Boulevard
Sacramento, CA 95834

Project:
Caltrans SR 680 Sunol Grade
Location: SR 680
Project #:841855
Contract: 43A0078

Samplers:
J. Rhodes
J. Cheng

	Sample ID:	Date	Time	Container	Total	Preserv-ative Used	Matrix	ANALYSES: EPA 6010, Lead Only	ANALYSES: 9045A: pH	TAT
1	B27-3-0	2/4/03	13:35	Baggie	1	Ice	Soil	X	X	5-Day
2	B27-3-0.3			Baggie	1	Ice	Soil			5-Day
3	B27-3-0.6			Baggie	1	Ice	Soil			5-Day
4	B27-4.5-0			Baggie	1	Ice	Soil			5-Day
5	B27-4.5-0.3			Baggie	1	Ice	Soil			5-Day
6	B27-4.5-0.6			Baggie	1	Ice	Soil			5-Day
7	B27-4.5-0.9			Baggie	1	Ice	Soil			5-Day
8	B26-EP-0		13:50	Baggie	1	Ice	Soil			5-Day
9	B26-EP-0.3			Baggie	1	Ice	Soil			5-Day
10	B26-EP-0.6			Baggie	1	Ice	Soil			5-Day
11	B26-EP-0.9			Baggie	1	Ice	Soil			5-Day
12	B26-1.5-0			Baggie	1	Ice	Soil			5-Day
13	B26-1.5-0.3			Baggie	1	Ice	Soil			5-Day
14	B26-1.5-0.6			Baggie	1	Ice	Soil			5-Day
15	B26-3-0			Baggie	1	Ice	Soil			5-Day
16	B26-3-0.3			Baggie	1	Ice	Soil			5-Day
17	B26-3-0.6			Baggie	1	Ice	Soil			5-Day
18	B26-6-0			Baggie	1	Ice	Soil			5-Day
19	B25-EP-0		14:10	Baggie	1	Ice	Soil			5-Day
20	B25-EP-0.3			Baggie	1	Ice	Soil			5-Day
21	B25-EP-0.6			Baggie	1	Ice	Soil		X	5-Day
22	B25-1.5-0			Baggie	1	Ice	Soil			5-Day
23	B25-1.5-0.3			Baggie	1	Ice	Soil			5-Day
24	B25-1.5-0.6			Baggie	1	Ice	Soil			5-Day
25	B25-3-0			Baggie	1	Ice	Soil			5-Day
26	B25-3-0.3			Baggie	1	Ice	Soil			5-Day
27	B25-3-0.6			Baggie	1	Ice	Soil			5-Day
28	B99-3-0		14:30	Baggie	1	Ice	Soil			5-Day
29	B99-3-0.3			Baggie	1	Ice	Soil			5-Day
30	B99-3-0.6			Baggie	1	Ice	Soil			5-Day
31	B99-4.5-0			Baggie	1	Ice	Soil			5-Day
32	B98-1.5-0		14:50	Baggie	1	Ice	Soil			5-Day
33	B98-1.5-0.3			Baggie	1	Ice	Soil			5-Day
34	B98-1.5-0.6			Baggie	1	Ice	Soil			5-Day
35	B98-3-0			Baggie	1	Ice	Soil			5-Day
36	B98-3-0.3			Baggie	1	Ice	Soil			5-Day
37	B98-3-0.6			Baggie	1	Ice	Soil			5-Day
38	B98-3-0.9			Baggie	1	Ice	Soil		X	5-Day
39	B97-3-0		15:10	Baggie	1	Ice	Soil			5-Day
40	B97-3-0.3			Baggie	1	Ice	Soil			5-Day
	B97-3-0.6									

Relinquished By:	Received By:	Received By:
Print Name: Jody Rhoades	Print Name: Will Fleming	Print Name:
Date: 2/4/03	Date: 2-4-03	Date:
Time: 16 30	Time: 16:30	Time:

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15370 841855 SR680 Sunol Grade
Received	01/24/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15370 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15370001	B156-EP-0	0.738	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370002	B156-EP-0.3	2.25	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370003	B154-1.5-0	ND	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370004	B153-3-0	0.596	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370005	B153-3-0.3	4.02	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370006	B153-3-0.6	5.87	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370007	B152-EP-0	27.4	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370008	B152-1.5-0.6	0.723	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370009	B151-EP-0	6.59	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370010	B151-1.5-0.3	1.12	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370011	B151-1.5-0.6	0.832	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370012	B151-3-0	ND	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370013	B150-EP-0.6	1.56	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370014	B144-EP-0.6	0.851	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370015	B139-EP-0	5.92	0.050	mg/L	01/13/03	01/24/03	Soil	1:1
15370016	B138-EP-0.6	0.829	0.050	mg/L	01/13/03	01/29/03	Soil	1:1
15370017	B138-1.5-0	4.02	0.050	mg/L	01/13/03	01/29/03	Soil	1:1
15370018	B138-1.5-0.6	ND	0.050	mg/L	01/13/03	01/29/03	Soil	1:1
15370019	B156-3-0	0.669	0.050	mg/L	01/13/03	01/29/03	Soil	1:1
15370020	B160-1.5-0	1.30	0.050	mg/L	01/13/03	01/29/03	Soil	1:1

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AFloor

RUN STLC ON 48 HR TAT							
1	15342010	B156-EP-0	1/13/03 0:00	58.6	Lead	mg/Kg	6010B Soil Pb
2	15342011	B156-EP-0.3	1/13/03 0:00	134	Lead	mg/Kg	6010B Soil Pb
3	15342020	B154-1.5-0	1/13/03 0:00	9.14	Lead	mg/Kg	6010B Soil Pb
4	15342032	B153-3-0	1/13/03 0:00	80.5	Lead	mg/Kg	6010B Soil Pb
5	15342033	B153-3-0.3	1/13/03 0:00	216	Lead	mg/Kg	6010B Soil Pb
6	15342034	B153-3-0.6	1/13/03 0:00	842	Lead	mg/Kg	6010B Soil Pb
7	15342035	B152-EP-0	1/13/03 0:00	673	Lead	mg/Kg	6010B Soil Pb
8	15342040	B152-1.5-0.6	1/13/03 0:00	58.1	Lead	mg/Kg	6010B Soil Pb
9	15342044	B151-EP-0	1/13/03 0:00	480	Lead	mg/Kg	6010B Soil Pb
10	15342048	B151-1.5-0.3	1/13/03 0:00	113	Lead	mg/Kg	6010B Soil Pb
11	15342049	B151-1.5-0.6	1/13/03 0:00	64.6	Lead	mg/Kg	6010B Soil Pb
12	15342050	B151-3-0	1/13/03 0:00	40.8	Lead	mg/Kg	6010B Soil Pb
13	15342055	B150-EP-0.6	1/13/03 0:00	78.7	Lead	mg/Kg	6010B Soil Pb
14	15342058	B144-EP-0.6	1/13/03 0:00	72.6	Lead	mg/Kg	6010B Soil Pb
15	15342059	B139-EP-0	1/13/03 0:00	110	Lead	mg/Kg	6010B Soil Pb
16	15342064	B138-EP-0.6	1/13/03 0:00	307	Lead	mg/Kg	6010B Soil Pb
17	15342065	B138-1.5-0	1/13/03 0:00	214	Lead	mg/Kg	6010B Soil Pb
18	15342067	B138-1.5-0.6	1/13/03 0:00	20.6	Lead	mg/Kg	6010B Soil Pb
19	15342078	B156-3-0	1/13/03 0:00	72.1	Lead	mg/Kg	6010B Soil Pb
20	15342081	B160-1.5-0	1/13/03 0:00	92.4	Lead	mg/Kg	6010B Soil Pb

RECEIVING

1/24/03 8:00

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15371 841855 SR680 Sunol Grade
Received	01/24/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15371 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15371001	B54-EP-0.3	2.31	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371002	B52-EP-0	0.794	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371003	B51-EP-0	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371004	B51-EP-0.6	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371005	B51-1.5-0	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371006	B48-EP-0	0.817	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371007	B47-EP-0.6	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371008	B40-EP-0.3	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371009	B40-3-0.3	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371010	B122-EP-0	0.910	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371011	B124-EP-0	1.57	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371012	B117-EP-0	1.08	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371013	B116-EP-0	6.15	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371014	B116-1.5-0.6	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371015	B115-EP-0	1.98	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371016	B115-1.5-0	8.28	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371017	B99-EP-0	2.81	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371018	B99-EP-0.3	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371019	B99-1.5-0	ND	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371020	B97-1.5-0	2.56	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371021	B96-EP-0	4.98	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15371022	B93-EP-0	12.8	0.050	mg/L	01/14/03	01/29/03	Soil	1:1

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A Floor

RUN STLC ON 48 HR TAT							
1	15343002	B54-EP-0.3	1/14/03 0:00	199	Lead	mg/Kg	6010B Soil Pb
2	15343014	B52-EP-0	1/14/03 0:00	83.6	Lead	mg/Kg	6010B Soil Pb
3	15343017	B51-EP-0	1/14/03 0:00	163	Lead	mg/Kg	6010B Soil Pb
4	15343019	B51-EP-0.6	1/14/03 0:00	2.51	Lead	mg/Kg	6010B Soil Pb
5	15343020	B51-1.5-0	1/14/03 0:00	6.16	Lead	mg/Kg	6010B Soil Pb
6	15343042	B48-EP-0	1/14/03 0:00	71.6	Lead	mg/Kg	6010B Soil Pb
7	15343053	B47-EP-0.6	1/14/03 0:00	8.04	Lead	mg/Kg	6010B Soil Pb
8	15343074	B40-EP-0.3	1/14/03 0:00	11.3	Lead	mg/Kg	6010B Soil Pb
9	15343080	B40-3-0.3	1/14/03 0:00	12.1	Lead	mg/Kg	6010B Soil Pb
10	15343114	B122-EP-0	1/14/03 0:00	64.2	Lead	mg/Kg	6010B Soil Pb
11	15343118	B124-EP-0	1/14/03 0:00	83.4	Lead	mg/Kg	6010B Soil Pb
12	15343130	B117-EP-0	1/14/03 0:00	110	Lead	mg/Kg	6010B Soil Pb
13	15343133	B116-EP-0	1/14/03 0:00	647	Lead	mg/Kg	6010B Soil Pb
14	15343138	B116-1.5-0.6	1/14/03 0:00	5.56	Lead	mg/Kg	6010B Soil Pb
15	15343143	B115-EP-0	1/14/03 0:00	56.1	Lead	mg/Kg	6010B Soil Pb
16	15343146	B115-1.5-0	1/14/03 0:00	122	Lead	mg/Kg	6010B Soil Pb
17	15343169	B99-EP-0	1/14/03 0:00	369	Lead	mg/Kg	6010B Soil Pb
18	15343170	B99-EP-0.3	1/14/03 0:00	7.44	Lead	mg/Kg	6010B Soil Pb
19	15343172	B99-1.5-0	1/14/03 0:00	30.4	Lead	mg/Kg	6010B Soil Pb
20	15343178	B97-1.5-0	1/14/03 0:00	182	Lead	mg/Kg	6010B Soil Pb
21	15343181	B96-EP-0	1/14/03 0:00	165	Lead	mg/Kg	6010B Soil Pb
22	15343188	B93-EP-0	1/14/03 0:00	359	Lead	mg/Kg	6010B Soil Pb

RECEIVING
1/24/03 08:00

Main Identity

From: "Adams, Martha J" <Martha.Adams@shawgrp.com>
To: "'Jennifer Riley'" <jenniferriley@spargertechnology.com>
Sent: Friday, January 24, 2003 7:16 AM
Attach: WET Req 1.xls; WET Req 2.xls; WET Req 3.xls; WET Req 4.xls
Subject: WET Request - Sunol Grade

Attached are the WET requests for Sunol Grade. 48 hour TAT.

-----Original Message-----
From: Jennifer Riley [mailto:jenniferriley@spargertechnology.com]
Sent: Thursday, January 23, 2003 6:57 AM
To: Martha Adams
Subject: Regarding TAT for Sunol

Dear Martha,

On the samples we received last night, their assigned due date is January 29th. This is on a 5-day TAT which is 5 working days not including Saturday and Sunday.
If you have any questions about this let me know.

Thanks,
Jennifer

RECEIVING
1/24/03 8:00

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15372 841855 SR680 Sunol Grade
Received	01/24/03

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Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15372 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15372001	B84-PS-0.3	ND	0.050	mg/L	01/16/03	01/24/03	Soil	1:1
15372002	B84-EP-0.3	1.42	0.050	mg/L	01/16/03	01/24/03	Soil	1:1
15372003	B121-PS-0.3	0.880	0.050	mg/L	01/16/03	01/24/03	Soil	1:1
15372004	B120-EP-0	2.36	0.050	mg/L	01/16/03	01/24/03	Soil	1:1
15372005	B83-1.5-0.6	ND	0.050	mg/L	01/16/03	01/24/03	Soil	1:1

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AFl001

RUN STLC ON 48 HR TAT								
1	15350001	B84-PS-0.3	1/16/03 0:00		1.81	Lead	mg/Kg	6010B Soil Pb
2	15350004	B84-EP-0.3	1/16/03 0:00		50.1	Lead	mg/Kg	6010B Soil Pb
3	15350010	B121-PS-0.3	1/16/03 0:00		114	Lead	mg/Kg	6010B Soil Pb
4	15350015	B120-EP-0	1/16/03 0:00		116	Lead	mg/Kg	6010B Soil Pb
5	15350026	B83-1.5-0.6	1/16/03 0:00		6.42	Lead	mg/Kg	6010B Soil Pb

RECEIVING
1/24/03 8:00

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15374 841855 SR680 Sunol Grade
Received	01/24/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15374 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15374001	B150-3-0.3	1.35	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374002	B149-EP-0	8.59	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374003	B148-EP-0	3.53	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374004	B147-EP-0	2.38	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374005	B147-EP-0.6	ND	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374006	B161-EP-0	ND	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374007	B161-EP-0.3	ND	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374008	B146-EP-0.9	0.906	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374009	B145-EP-0	2.42	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374010	B144-PS-0.6	ND	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374011	B142-EP-0.3	11.3	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374012	B142-EP-0.9	ND	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374013	B141-EP-0	6.42	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374014	B140-EP-0	10.1	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15374015	B130-EP-0	ND	0.050	mg/L	01/15/03	01/29/03	Soil	1:1

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A Floor

RUN STLC ON 48 HR TAT

1	15348016	B150-3-0.3	1/15/03 0:00	85.9	Lead	mg/Kg	6010B Soil Pb
2	15348020	B149-EP-0	1/15/03 0:00	491	Lead	mg/Kg	6010B Soil Pb
3	15348023	B148-EP-0	1/15/03 0:00	253	Lead	mg/Kg	6010B Soil Pb
4	15348028	B147-EP-0	1/15/03 0:00	79.9	Lead	mg/Kg	6010B Soil Pb
5	15348030	B147-EP-0.6	1/15/03 0:00	15	Lead	mg/Kg	6010B Soil Pb
6	15348051	B161-EP-0	1/15/03 0:00	10	Lead	mg/Kg	6010B Soil Pb
7	15348052	B161-EP-0.3	1/15/03 0:00	4.34	Lead	mg/Kg	6010B Soil Pb
8	15348065	B146-EP-0.9	1/15/03 0:00	91.3	Lead	mg/Kg	6010B Soil Pb
9	15348066	B145-EP-0	1/15/03 0:00	205	Lead	mg/Kg	6010B Soil Pb
10	15348073	B144-PS-0.6	1/15/03 0:00	147	Lead	mg/Kg	6010B Soil Pb
11	15348077	B142-EP-0.3	1/15/03 0:00	659	Lead	mg/Kg	6010B Soil Pb
12	15348079	B142-EP-0.9	1/15/03 0:00	6.89	Lead	mg/Kg	6010B Soil Pb
13	15348083	B141-EP-0	1/15/03 0:00	558	Lead	mg/Kg	6010B Soil Pb
14	15348086	B140-EP-0	1/15/03 0:00	561	Lead	mg/Kg	6010B Soil Pb
15	15348093	B130-EP-0	1/15/03 0:00	24	Lead	mg/Kg	6010B Soil Pb

RECEIVING
1/24/03 8:00

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15379 841855 SR680 Sunol Grade
Received	01/27/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

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MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15379 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15379001	B156-4.5-0	ND	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379002	B131-1.5-1	1.29	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379003	B131-3-0	0.603	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379004	B125-1.5-0	1.24	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379005	B113-1.5-0	13.9	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379006	B113-1.5-0.6	6.67	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379007	B113-3-0	2.33	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379008	B113-6-0	4.35	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379009	B107-3-0	1.71	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379010	B105-1.5-0	1.36	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379011	B105-3-0	1.69	0.050	mg/L	01/20/03	01/29/03	Soil	1:1
15379012	B105-4.5-0	1.43	0.050	mg/L	01/20/03	01/29/03	Soil	1:1

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B-Floor

1	15367004	B156-4.5-0	1/20/2003 0:00	51.2	Lead	mg/Kg	6010B Soil Pb	
2	15367012	B131-1.5-0	1/20/2003 0:00	63.1	Lead	mg/Kg	6010B Soil Pb	
3	15367015	B131-3-0	1/20/2003 0:00	53.4	Lead	mg/Kg	6010B Soil Pb	
4	15367019	B125-1.5-0	1/20/2003 0:00	71	Lead	mg/Kg	6010B Soil Pb	
5	15367022	B113-1.5-0	1/20/2003 0:00	211	Lead	mg/Kg	6010B Soil Pb	
6	15367024	B113-1.5-0.6	1/20/2003 0:00	175	Lead	mg/Kg	6010B Soil Pb	
7	15367025	B113-3-0	1/20/2003 0:00	89.4	Lead	mg/Kg	6010B Soil Pb	
8	15367027	B113-6-0	1/20/2003 0:00	205	Lead	mg/Kg	6010B Soil Pb	
9	15367028	B107-3-0	1/20/2003 0:00	70.5	Lead	mg/Kg	6010B Soil Pb	
10	15367034	B105-1.5-0	1/20/2003 0:00	77.3	Lead	mg/Kg	6010B Soil Pb	
11	15367037	B105-3-0	1/20/2003 0:00	81.5	Lead	mg/Kg	6010B Soil Pb	
12	15367040	B105-4.5-0	1/20/2003 0:00	93.6	Lead	mg/Kg	6010B Soil Pb	
	WET Request 5							
	48 TAT							
	1/27/2003							
	841855							

48 HOUR
Rush!

RECEIVING
1/27/03 13:00

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15380 841855 SR680 Sunol Grade
Received	01/27/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

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Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15380 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15380001	B106-1.5-0	2.98	0.050	mg/L	01/17/03	01/29/03	Soil	1:1
15380002	B105-EP-0	ND	0.050	mg/L	01/17/03	01/29/03	Soil	1:1
15380003	B112-EP-0	5.62	0.050	mg/L	01/17/03	01/29/03	Soil	1:1

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AF/001

15353022	B106-1.5-0	1/17/2003 0:00	126	Lead	mg/Kg	6010B Soil Pb	
15353028	B105-EP-0	1/17/2003 0:00	56.5	Lead	mg/Kg	6010B Soil Pb	
15353050	B112-EP-0	1/17/2003 0:00	147	Lead	mg/Kg	6010B Soil Pb	
WET Request 6							
48 hour TAT							
1/27/2003							
841855							

48 Hour
Rush!

RECEIVING
1/27/03 13:00

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15392 841855 SR680 Sunol Grade
Received	01/30/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

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Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15392 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15392001	B100-3-0	2.20	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392002	B85-3-0	1.29	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392003	B84-3-0	0.548	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392004	B159-1.5-0	5.81	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392005	B147-1.5-0.3	ND	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392006	B159-3-0	4.28	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392007	B100-3-0.6	ND	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392008	B158-3-0	2.32	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392009	B158-6-0	1.32	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392010	B158-4.5-0	0.739	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392011	B149-1.5-0.3	1.10	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392012	B149-3-0.3	3.14	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392013	B148-1.5-0	1.43	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392014	B146-3-0	8.77	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392015	B146-3-0.6	2.49	0.050	mg/L	01/22/03	02/04/03	Soil	1:1
15392016	B146-6-0	2.07	0.050	mg/L	01/22/03	02/04/03	Soil	1:1

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AFloor

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15368 **Date:** 1/30/03
Shaw E & I Project # 841855 SR680 Sunol

The following samples were analyzed for total lead. Please fax us a confirmation requesting to begin the STLC analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	QUEUE	PROJ CODE	SHSN	RESULT	CUST SAMPLE ID
1	ICP	6010 S Pb	15368001	87.8	B100-3-0
2	ICP	6010 S Pb	15368004	79.6	B85-3-0
3	ICP	6010 S Pb	15368007	97.4	B84-3-0
4	ICP	6010 S Pb	15368014	277	B159-1.5-0
5	ICP	6010 S Pb	15368046	40.5	B147-1.5-0.3
6	ICP	6010 S Pb	15368017	178	B159-3-0
7	ICP	6010 S Pb	15368003	11.2	B100-3-0.6
8	ICP	6010 S Pb	15368024	130	B158-3-0
9	ICP	6010 S Pb	15368027	76.9	B158-6-0
10	ICP	6010 S Pb	15368030	64.8	B150-4.5-0
11	ICP	6010 S Pb	15368032	71.1	B149-1.5-0.3
12	ICP	6010 S Pb	15368035	234	B149-3-0.3
13	ICP	6010 S Pb	15368039	74.7	B148-1.5-0
14	ICP	6010 S Pb	15368058	217	B146-3-0
15	ICP	6010 S Pb	15368060	121	B146-3-0.6
16	ICP	6010 S Pb	15368061	149	B146-6-0

1/22/03

RECEIVING
1/30/03 12:45

48 HOUR
Rush!

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15393 841855 SR680 Sunol Grade
Received	01/30/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

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LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
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QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15393 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15393001	B145-1.5-0	2.31	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393002	B145-1.5-0.3	1.41	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393003	B145-3-0	1.92	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393004	B64-PS-0.3	ND	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393005	B64-PS-0.6	ND	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393006	B64-EP-0	ND	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393007	B76-EP-0	8.30	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393008	B75-EP-0	6.03	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393009	B72-EP-0	1.15	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393010	B72-1.5-0	1.82	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393011	B72-3-0	1.50	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393012	B62-EP-0.3	5.34	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393013	B62-EP-0	2.58	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393014	B61-EP-0	0.742	0.050	mg/L	01/23/03	02/04/03	Soil	1:1
15393015	B145-3-0.6	0.663	0.050	mg/L	01/23/03	02/04/03	Soil	1:1

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BF/005

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15373 **Date:** 1/30/03
Shaw E & I Project # 841855 SR680 Sunol

The following samples were analyzed for total lead. Please fax us a confirmation requesting to begin the STLC analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	QUEUE	PROC CODE	HSN	Result	CLIENT SAMPLE ID
1	ICP	6010 S Pb	15373001	83.8	B145-1.5-0
2	ICP	6010 S Pb	15373002	64.1	B145-1.5-0.3
3	ICP	6010 S Pb	15373004	74.9	B145-3-0
4	ICP	6010 S Pb	15373037	56	B64-PS-0.3
5	ICP	6010 S Pb	15373038	56.7	B64-PS-0.6
6	ICP	6010 S Pb	15373039	68.2	B64-EP-0
7	ICP	6010 S Pb	15373049	458	B76-EP-0
8	ICP	6010 S Pb	15373052	199	B75-EP-0
9	ICP	6010 S Pb	15373075	116	B72-EP-0
10	ICP	6010 S Pb	15373078	72.7	B72-1.5-0
11	ICP	6010 S Pb	15373081	65.3	B72-3-0
12	ICP	6010 S Pb	15373084	178	B62-EP-0.3
13	ICP	6010 S Pb	15373085	54.6	B62-EP-0
14	ICP	6010 S Pb	15373088	67.6	B61-EP-0
15	ICP	6010 S Pb	15373006	33.3	B145-3-0.6

1/23/03

48 Hour
Rush!

RECEIVING
1/30/03 12:45

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15408 841855 SR680 Sunol Grade
Received	02/05/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8047 • FAX (916) 362-0047

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15408 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15408001	B144-1.5-0	3.92	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408002	B144-1.5-0.6	2.02	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408003	B144-3-0	5.30	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408004	B144-3-0.3	0.522	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408005	B144-3-0.6	3.35	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408006	B143-1.5-0	1.70	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408007	B46-EP-0	3.50	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408008	B45-EP-0.3	8.26	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408009	B44-EP-0	23.4	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408010	B35-EP-0	1.15	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408011	B31-EP-0	2.25	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408012	B38-3-0	0.0805	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408013	B30-EP-0.3	1.89	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408014	B43-EP-0	2.56	0.050	mg/L	01/24/03	02/07/03	Soil	1:1
15408015	B143-3-0	1.17	0.050	mg/L	01/24/03	02/07/03	Soil	1:1

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B-F/001

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15376 **Date:** 2/3/03
IT Project # 841855 SR680 Sunol Grade

The following samples were analyzed for total lead. Please fax us a confirmation requesting to begin the STLC analysis. Thank you.

48-hour TAT

Note: The units for the "Result" column are in ppm.

NO	QUEUE	PROC CODE	HSN	Result	CUST/SAMPLE ID
1	ICP	6010 S Pb	15376001	89.7	B144-1.5-0
2	ICP	6010 S Pb	15376003	77	B144-1.5-0.6
3	ICP	6010 S Pb	15376004	242	B144-3-0
4	ICP	6010 S Pb	15376005	56.3	B144-3-0.3
5	ICP	6010 S Pb	15376006	168	B144-3-0.6
6	ICP	6010 S Pb	15376008	79.8	B143-1.5-0
7	ICP	6010 S Pb	15376017	113	B46-EP-0
8	ICP	6010 S Pb	15376025	398	B45-EP-0.3
9	ICP	6010 S Pb	15376027	803	B44-EP-0
10	ICP	6010 S Pb	15376082	217	B35-EP-0
11	ICP	6010 S Pb	15376095	172	B31-EP-0
12	ICP	6010 S Pb	15376065	16	B38-3-0
13	ICP	6010 S Pb	15376097	182	B30-EP-0.3
14	ICP	6010 S Pb	15376033	71.8	B43-EP-0
15	ICP	6010 S Pb	15376011	90.5	B143-3-0

1/24/03

RECEIVED
2/4/03 12:15

48 Hour
Rush!

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15411 841855 SR680 Sunol Grade
Received	02/05/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample.
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15411 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15411001	B142-1.5-0.3	0.910	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411002	B142-1.5-0.6	2.18	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411003	B142-3-0	4.82	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411004	B142-3-0.6	3.01	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411005	B141-1.5-0	2.57	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411006	B141-3-0	3.20	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411007	B141-3-0.3	ND	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411008	B141-4.5-0	0.890	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411009	B140-1.5-0.6	7.86	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411010	B140-1.5-0.9	3.16	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411011	B139-1.5-0	2.07	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411012	B139-3-0.6	1.82	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411013	B135-1.5-0	ND	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411014	B135-3-0	ND	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411015	B132-1.5-0.3	4.46	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411016	B132-3-0	2.08	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411017	B132-3-0.3	1.27	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411018	B132-3-0.6	1.37	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411019	B132-4.5-0	1.36	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411020	B128-EP-0	11.6	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411021	B128-EP-0.3	24.9	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411022	B128-1.5-0	4.28	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411023	B128-1.5-0.3	4.74	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411024	B128-1.5-0.6	2.44	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411025	B128-3-0	3.63	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411026	B128-3-0.3	2.69	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411027	B122-1.5-0.3	0.691	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411028	B120-1.5-0	3.51	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411029	B120-1.5-0.3	1.87	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411030	B120-1.5-0.6	1.87	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411031	B119-1.5-0.3	3.27	0.050	mg/L	01/27/03	02/10/03	Soil	1:1
15411032	B119-1.5-0.6	2.43	0.050	mg/L	01/27/03	02/10/03	Soil	1:1

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AF1001

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15385 **Date:** 02/04/03
IT Project # 841855 SR680 Sunol Grade

The following samples were analyzed for total lead. Please fax us a confirmation requesting to begin the STLC analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	QUEUE	PROG CODE	HSN	Result	CUST SAMPLE ID
1	ICP	6010 S Pb	15385002	50.1	B142-1.5-0.3
2	ICP	6010 S Pb	15385003	97.5	B142-1.5-0.6
3	ICP	6010 S Pb	15385004	286	B142-3-0
4	ICP	6010 S Pb	15385006	143	B142-3-0.6
5	ICP	6010 S Pb	15385007	150	B141-1.5-0
6	ICP	6010 S Pb	15385010	135	B141-3-0
7	ICP	6010 S Pb	15385011	62	B141-3-0.3
8	ICP	6010 S Pb	15385013	67	B141-4.5-0
9	ICP	6010 S Pb	15385016	212	B140-1.5-0.6
10	ICP	6010 S Pb	15385017	75.2	B140-1.5-0.9
11	ICP	6010 S Pb	15385022	150	B139-1.5-0
12	ICP	6010 S Pb	15385027	79.2	B139-3-0.6
13	ICP	6010 S Pb	15385042	114	B135-1.5-0
14	ICP	6010 S Pb	15385045	72.8	B135-3-0
15	ICP	6010 S Pb	15385070	202	B132-1.5-0.3
16	ICP	6010 S Pb	15385073	136	B132-3-0
17	ICP	6010 S Pb	15385074	69.8	B132-3-0.3
18	ICP	6010 S Pb	15385075	85.7	B132-3-0.6
19	ICP	6010 S Pb	15385076	62.5	B132-45-0
20	ICP	6010 S Pb	15385077	581	B128-EP-0
21	ICP	6010 S Pb	15385078	552	B128-EP-0.3
22	ICP	6010 S Pb	15385080	183	B128-1.5-0
23	ICP	6010 S Pb	15385081	126	B128-1.5-0.3
24	ICP	6010 S Pb	15385082	92.8	B128-1.5-0.6
25	ICP	6010 S Pb	15385083	142	B128-3-0
26	ICP	6010 S Pb	15385084	174	B128-3-0.3

2/4/03

48 HOUR
Rush!

RECEIVING
2/4/03 13:00

15411

#	QUEUE	PROC CODE	HSN	Result	CUST SAMPLE ID
27	ICP	6010 S Pb	15385089	54.3	B122-1.5-0.3
28	ICP	6010 S Pb	15385098	228	B120-1.5-0
29	ICP	6010 S Pb	15385099	123	B120-1.5-0.3
30	ICP	6010 S Pb	15385100	137	B120-1.5-0.6
31	ICP	6010 S Pb	15385102	146	B119-1.5-0.3
32	ICP	6010 S Pb	15385103	108	B119-1.5-0.6

Rush!

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15419 841855 SR680 Sunol Grade
Received	02/05/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
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QC - Additional Quality Control
DIL - Results from a diluted sample
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Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Analytical Laboratory Division
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Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15419 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15419001	B118-1.5-0.3	7.48	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419002	B118-3-0	1.29	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419003	B118-3-0.6	1.41	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419004	B117-1.5-0.6	2.52	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419005	B117-3-0.3	6.09	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419006	B117-3-0.6	1.51	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419007	B114-1.5-0	1.81	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419008	B114-3-0.6	0.0950	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419009	B114-4.5-0	1.55	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419010	B110-3-0	6.59	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419011	B110-6-0	5.68	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419012	B109-EP-0	7.28	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419013	B109-1.5-0	13.1	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419014	B109-3-0	5.42	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419015	B108-EP-0	5.70	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419016	B108-EP-0.3	2.02	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419017	B108-EP-0.6	3.91	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419018	B108-1.5-0	1.66	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419019	B108-1.5-0.9	0.818	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419020	B104-1.5-0	9.02	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419021	B104-1.5-0.3	1.78	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419022	B104-3-0.6	0.319	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419023	B104-6-0	2.88	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419024	B103-EP-0	3.11	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419025	B103-1.5-0.3	2.27	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419026	B103-3-0	4.35	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419027	B102-EP-0	0.842	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419028	B102-EP-0.3	5.34	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419029	B102-EP-0.6	3.25	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419030	B102-1.5-0	7.40	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419031	B102-3-0.3	4.34	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419032	B102-3-0.6	4.12	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419033	B102-4.5-0	2.84	0.050	mg/L	01/28/03	02/11/03	Soil	1:1
15419034	B108-3-0	5.36	0.050	mg/L	01/28/03	02/11/03	Soil	1:1

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Environmental Laboratories

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15419 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15419035	B108-3-0.3	2.69	0.050	mg/L	01/28/03	02/11/03	Soil	1:1

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AF1001

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15388 **Date:** 02/05/03
IT Project # 841855 SR680 Sunol Grade

The following samples were analyzed for total lead. Please fax us a confirmation requesting to begin the STLC analysis. Thank you.

48 Hr. TAT

Note: The units for the "Result" column are in ppm.

	Queue	Proc Code	HSN	Cust Sample ID			Result
1	ICP	6010 S Pb	15388002	B118-1.5-0.3			279
2	ICP	6010 S Pb	15388004	B118-3-0			95.2
3	ICP	6010 S Pb	15388006	B118-3-0.6			378
4	ICP	6010 S Pb	15388009	B117-1.5-0.6			120
5	ICP	6010 S Pb	15388011	B117-3-0.3			205
6	ICP	6010 S Pb	15388012	B117-3-0.6			62.2
7	ICP	6010 S Pb	15388019	B114-1.5-0			85.8
8	ICP	6010 S Pb	15388023	B114-3-0.6			4.41
9	ICP	6010 S Pb	15388025	B114-4.5-0			95.5
10	ICP	6010 S Pb	15388029	B110-3-0			166
11	ICP	6010 S Pb	15388032	B110-6-0			169
12	ICP	6010 S Pb	15388033	B109-EP-0			204
13	ICP	6010 S Pb	15388036	B109-1.5-0			389
14	ICP	6010 S Pb	15388039	B109-3-0			161
15	ICP	6010 S Pb	15388042	B108-EP-0			130
16	ICP	6010 S Pb	15388043	B108-EP-0.3			62.1
17	ICP	6010 S Pb	15388044	B108-EP-0.6			167
18	ICP	6010 S Pb	15388045	B108-1.5-0			68.1
19	ICP	6010 S Pb	15388048	B108-1.5-0.9			113
20	ICP	6010 S Pb	15388049	B104-1.5-0			207
21	ICP	6010 S Pb	15388050	B104-1.5-0.3			58
22	ICP	6010 S Pb	15388054	B104-3-0.6			18.1
23	ICP	6010 S Pb	15388055	B104-6-0			102
24	ICP	6010 S Pb	15388056	B103-EP-0			113
25	ICP	6010 S Pb	15388058	B103-1.5-0.3			67.7
26	ICP	6010 S Pb	15388060	B103-3-0			253
27	ICP	6010 S Pb	15388063	B102-EP-0			38.2
28	ICP	6010 S Pb	15388064	B102-EP-0.3			127
29	ICP	6010 S Pb	15388065	B102-EP-0.6			111

1/28/03

RECEIVING 2/5/03 10:30 48 Hr TAT

1e 15419

30	ICP	6010 S Pb	15388066	B102-1.5-0			225
31	ICP	6010 S Pb	15388070	B102-3-0.3			175
32	ICP	6010 S Pb	15388071	B102-3-0.6			142
33	ICP	6010 S Pb	15388072	B102-4.5-0			151
34	ICP	6010 S Pb	15388076	B108-3-0			137
35	ICP	6010 S Pb	15388077	B108-3-0.3			109

48 Hr TAT

RECEIVING
2/5/03 10:30

Shaw Environmental & Infrastructure, Inc.

Shaw The Shaw Group Inc.™

1326 North Market Boulevard
Sacramento, California 95834
916-926-3300
Fax: 916-565-4356

Fax

To: Jenn R.

From: M. Rivera in c/o M. Adams

Fax: 362-0947

Pages: 3

Phone:

Date: 2-5-03

RE:

CC:

☐ Urgent ☑ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

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Revised 05/02/02

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15424 841855 SR680 Sunol Grade
Received	02/07/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15424 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15424001	B16-1.5-0.0	3.38	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424002	B14-3.0-0.0	1.31	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424003	B12-1.5-0.0	2.50	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424004	B12-3.0-0.0	1.19	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424005	B78-3.0-0.0	0.586	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424006	B59-EP-0.0	0.918	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424007	B57-EP-0.0	3.53	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424008	B57-EP-0.3	2.27	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424009	B56-EP-0.0	14.9	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424010	B38-EP-0.0	1.48	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424011	B11-3.0-0.0	1.01	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424012	B23-1.5-0.0	1.99	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424013	B22-3-0.3	2.67	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424014	B20-EP-0.3	4.98	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424015	B17-EP-0.0	5.83	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424016	B17-1.5-0.0	1.33	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424017	B13-EP-0.0	1.43	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424018	B13-1.5-0.0	0.899	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424019	B69-3-0.6	1.91	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424020	B69-1.5-0.3	2.66	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424021	B24-EP-0.0	2.14	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424022	B24-3-0.3	ND	0.050	mg/L	01/29/03	02/14/03	Soil	1:1
15424023	B23-EP-0.0	2.87	0.050	mg/L	01/29/03	02/14/03	Soil	1:1

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BFloor

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15391 **Date:** 2/6/03
IT Project # 841855 SR680 Sunol Grade

The following samples were analyzed for total lead. Please email us a confirmation requesting to begin the STLC analysis. Thank you.

48 hr TAT

Note: The units for the "Result" column are in ppm.

#	QUEUE	PROC CODE	LSN	Result	CUST SAMPLE ID
1	ICP	6010 S Pb	15391016	166	B16-1.5-0.0
2	ICP	6010 S Pb	15391026	65.9	B14-3.0-0.0
3	ICP	6010 S Pb	15391032	126	B12-1.5-0.0
4	ICP	6010 S Pb	15391036	54.5	B12-3.0-0.0
5	ICP	6010 S Pb	15391039	65.7	B78-3.0-0.0
6	ICP	6010 S Pb	15391042	83.7	B59-EP-0.0
7	ICP	6010 S Pb	15391050	189	B57-EP-0.0
8	ICP	6010 S Pb	15391051	104	B57-EP-0.3
9	ICP	6010 S Pb	15391053	596	B56-EP-0.0
10	ICP	6010 S Pb	15391056	113	B38-EP-0.0
11	ICP	6010 S Pb	15391081	105	B11-3.0-0.0
12	ICP	6010 S Pb	15391084	270	B23-1.5-0.0
13	ICP	6010 S Pb	15391098	364	B22-3-0.3
14	ICP	6010 S Pb	15391101	457	B20-EP-0.3
15	ICP	6010 S Pb	15391113	308	B17-EP-0.0
16	ICP	6010 S Pb	15391117	78.5	B17-1.5-0.0
17	ICP	6010 S Pb	15391129	56.3	B13-EP-0.0
18	ICP	6010 S Pb	15391132	86.5	B13-1.5-0.0
19	ICP	6010 S Pb	15391145	90.9	B69-3-0.6
20	ICP	6010 S Pb	15391147	174	B69-1.5-0.3
21	ICP	6010 S Pb	15391167	55.5	B24-EP-0.0
22	ICP	6010 S Pb	15391174	52.9	B24-3-0.3
23	ICP	6010 S Pb	15391176	249	B23-EP-0.0

X29

48HR TAT

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2/6/03 12:50

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15425 841855 SR680 Sunol Grade
Received	02/07/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
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LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15425 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15425001	B64-1.5-0.3	2.92	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425002	B64-3-0.6	1.45	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425003	B63-1.5-0	1.96	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425004	B62-1.5-0	2.64	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425005	B62-1.5-0.3	2.26	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425006	B62-1.5-0.6	3.15	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425007	B62-3-0	1.24	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425008	B61-1.5-0.3	1.40	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425009	B60-1.5-0	1.43	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425010	B60-1.5-0.6	1.50	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425011	B58-1.5-0	2.45	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425012	B58-1.5-0.3	1.73	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425013	B58-3-0	1.05	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425014	B57-1.5-0	2.16	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425015	B57-1.5-0.3	1.26	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425016	B54-1.5-0	4.42	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425017	B54-1.5-0.3	2.79	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425018	B54-1.5-0.6	3.03	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425019	B54-3-0	2.68	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425020	B54-4.5-0	0.582	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425021	B53-6-0	0.911	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425022	B52-1.5-0	0.505	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425023	B52-3-0	1.51	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425024	B70-1.5-0	2.86	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425025	B68-1.5-0	5.17	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425026	B67-1.5-0.3	1.25	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425027	B66-1.5-0	3.33	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425028	B66-1.5-0.3	3.22	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425029	B65-1.5-0	7.38	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425030	B65-1.5-0.3	10.1	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425031	B52-1.5-0.9	ND	0.050	mg/L	02/03/03	02/14/03	Soil	1:1
15425032	B58-1.5-0.6	ND	0.050	mg/L	02/03/03	02/14/03	Soil	1:1

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AFloor

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15406 **Date:** 2/7/03
IT Project # 841855 SR680 Sunol Grade

The following samples were analyzed for total lead. Please fax us a confirmation requesting to begin the STLC analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	DUE DT	PROC CODE	USN	RESULT	CUST SAMPLE ID
1	ICP	6010 S Pb	15406002	158	B64-1.5-0.3
2	ICP	6010 S Pb	15406006	65	B64-3-0.6
3	ICP	6010 S Pb	15406007	118	B63-1.5-0
4	ICP	6010 S Pb	15406014	126	B62-1.5-0
5	ICP	6010 S Pb	15406015	245	B62-1.5-0.3
6	ICP	6010 S Pb	15406016	78	B62-1.5-0.6
7	ICP	6010 S Pb	15406017	54	B62-3-0
8	ICP	6010 S Pb	15406022	97	B61-1.5-0.3
9	ICP	6010 S Pb	15406027	85	B60-1.5-0
10	ICP	6010 S Pb	15406029	72	B60-1.5-0.6
11	ICP	6010 S Pb	15406045	94	B58-1.5-0
12	ICP	6010 S Pb	15406046	230	B58-1.5-0.3
13	ICP	6010 S Pb	15406048	67	B58-3-0
14	ICP	6010 S Pb	15406052	287	B57-1.5-0
15	ICP	6010 S Pb	15406053	78	B57-1.5-0.3
16	ICP	6010 S Pb	15406059	234	B54-1.5-0
17	ICP	6010 S Pb	15406060	206	B54-1.5-0.3
18	ICP	6010 S Pb	15406061	75	B54-1.5-0.6
19	ICP	6010 S Pb	15406062	167	B54-3-0
20	ICP	6010 S Pb	15406065	50	B54-4.5-0
21	ICP	6010 S Pb	15406066	58	B53-6-0
22	ICP	6010 S Pb	15406067	77	B52-1.5-0
23	ICP	6010 S Pb	15406071	116	B52-3-0
24	ICP	6010 S Pb	15406078	324	B70-1.5-0
25	ICP	6010 S Pb	15406083	320	B68-1.5-0
26	ICP	6010 S Pb	15406092	104	B67-1.5-0.3
27	ICP	6010 S Pb	15406097	124	B66-1.5-0
28	ICP	6010 S Pb	15406098	147	B66-1.5-0.3

2/3

48 Hr

RECEIVING
2/7/03 15:15

p. 2 of 14525

	QUEUE	PROJ/CODE	RSN	Report	CUST'S/WREF ID
29	ICP	6010 S Pb	15406104	233	B65-1.5-0
30	ICP	6010 S Pb	15406105	216	B65-1.5-0.3
31	ICP	6010 S Pb	15406070	37	B52-1.5-0.9
32	ICP	6010 S Pb	15406047	13	B58-1.5-0.6

48 Hr

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2/7/03 15:15

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15427 841855 SR680 Sunol Grade
Received	02/07/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

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MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
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DIL - Results from a diluted sample
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RL - Reporting Limit

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Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15427 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15427001	B10-EP-0	2.66	0.050	mg/L	01/30/03	02/14/03	Soil	1:1
15427002	B10-3.0-0.0	1.02	0.050	mg/L	01/30/03	02/14/03	Soil	1:1
15427003	B21-4.5-0.0	1.02	0.050	mg/L	01/30/03	02/14/03	Soil	1:1
15427004	B18-4.5-0.0	ND	0.050	mg/L	01/30/03	02/14/03	Soil	1:1
15427005	B14-1.5-0.0	0.610	0.050	mg/L	01/30/03	02/14/03	Soil	1:1
15427006	B13-3.0-0.0	0.807	0.050	mg/L	01/30/03	02/14/03	Soil	1:1
15427007	B20-3-0.0	0.854	0.050	mg/L	01/30/03	02/14/03	Soil	1:1
15427008	B19-3-0.0	1.34	0.050	mg/L	01/30/03	02/14/03	Soil	1:1
15427009	B15-3-0.0	0.770	0.050	mg/L	01/30/03	02/14/03	Soil	1:1

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B-Floor

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15398 **Date:** 2/7/03
IT Project # 841855 SR680 Sunol Grade

The following samples were analyzed for total lead and results were 50 ppm or greater. Please email us a confirmation requesting to begin the STLC analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	QUEUE	PROC CODE	HSN	Result	CUST SAMPLE ID
1	ICP	6010 S Pb	15398006	202	B10-EP-0.0
2	ICP	6010 S Pb	15398010	56.5	B10-3.0-0.0
3	ICP	6010 S Pb	15398013	52.9	B21-4.5-0.0
4	ICP	6010 S Pb	15398015	59.8	B18-4.5-0.0
5	ICP	6010 S Pb	15398017	58.8	B14-1.5-0.0
6	ICP	6010 S Pb	15398020	52.9	B13-3.0-0.0
7	ICP	6010 S Pb	15398036	217	B20-3-0.0
8	ICP	6010 S Pb	15398039	284	B19-3-0.0
9	ICP	6010 S Pb	15398042	56.5	B15-3-0.0

V 30/03

HS HR

RECEIVING

2/7/03 8:45

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15428 841855 SR680 Sunol Grade
Received	02/07/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

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MSD - Matrix Spike Duplicate
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LCSD - Lab Control Sample Duplicate
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DIL - Results from a diluted sample
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RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15428 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15428001	B152-EP-0	3.41	0.050	mg/L	01/13/03	02/11/03	Soil	1:1

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15342035	B152-EP-0	01/13/2003 0:00	673	Lead	mg/Kg	6010B Soil Pb	
Re-run this sample for WET							
5-day TAT							
########							
Sunol Grade 841855							

RECEIVING

1/30/03 13:03

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15433 841855 SR680 Sunol Grade
Received	02/07/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

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MSD - Matrix Spike Duplicate
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LCSD - Lab Control Sample Duplicate
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QC - Additional Quality Control
DIL - Results from a diluted sample
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RL - Reporting Limit

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Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15433 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15433001	B55-3-0	1.63	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433002	B55-3-0.3	1.30	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433003	B51-3-0	1.70	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433004	B51-3-0.3	0.648	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433005	B51-4.5-0	1.03	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433006	B46-3-0	1.71	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433007	B46-3-0.3	1.77	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433008	B44-1.5-0	2.32	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433009	B44-1.5-0.3	2.45	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433010	B43-3-0.6	ND	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433011	B42-3-0	1.67	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433012	B41-3-0	2.77	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433013	B36-1.5-0	1.12	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433014	B36-1.5-0.3	0.787	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433015	B33-1.5-0	0.632	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433016	B33-1.5-0.3	1.07	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433017	B33-3-0	1.20	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433018	B30-4.5-0	0.588	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433019	B29-EP-0.3	3.94	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433020	B29-1.5-0	1.88	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433021	B29-3-0	ND	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433022	B28-EP-0.3	ND	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433023	B28-1.5-0	2.43	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433024	B27-3-0	1.27	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433025	B26-EP-0	1.15	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433026	B26-1.5-0	1.87	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433027	B26-3-0	1.01	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433028	B99-3-0	1.75	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433029	B98-1.5-0	7.10	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433030	B98-1.5-0.3	5.57	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433031	B98-1.5-0.6	2.42	0.050	mg/L	02/04/03	02/14/03	Soil	1:1
15433032	B98-3-0	2.78	0.050	mg/L	02/04/03	02/14/03	Soil	1:1

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p 1 of 2

BFloor

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15416 **Date:** 2/7/03
IT Project # 841855 SR680 Sunol Grade

The following samples were analyzed for total lead. Please email us a confirmation requesting to begin the STLC analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	QUEUE	PROC CODE	HSN	Result	CUST SAMPLE ID
1	ICP	6010 S Pb	15416004	99	B55-3-0
2	ICP	6010 S Pb	15416005	101	B55-3-0.3
3	ICP	6010 S Pb	15416007	164	B51-3-0
4	ICP	6010 S Pb	15416008	57	B51-3-0.3
5	ICP	6010 S Pb	15416011	71	B51-4.5-0
6	ICP	6010 S Pb	15416021	74	B46-3-0
7	ICP	6010 S Pb	15416022	72	B46-3-0.3
8	ICP	6010 S Pb	15416031	145	B44-1.5-0
9	ICP	6010 S Pb	15416032	81	B44-1.5-0.3
10	ICP	6010 S Pb	15416042	89	B43-3-0.6
11	ICP	6010 S Pb	15416043	104	B42-3-0
12	ICP	6010 S Pb	15416047	94	B41-3-0
13	ICP	6010 S Pb	15416058	51	B36-1.5-0
14	ICP	6010 S Pb	15416059	53	B36-1.5-0.3
15	ICP	6010 S Pb	15416077	68	B33-1.5-0
16	ICP	6010 S Pb	15416078	55	B33-1.5-0.3
17	ICP	6010 S Pb	15416080	92	B33-3-0
18	ICP	6010 S Pb	15416092	63	B30-4.5-0
19	ICP	6010 S Pb	15416095	196	B29-EP-0.3
20	ICP	6010 S Pb	15416098	79	B29-1.5-0
21	ICP	6010 S Pb	15416101	76	B29-3-0
22	ICP	6010 S Pb	15416105	289	B28-EP-0.3
23	ICP	6010 S Pb	15416107	182	B28-1.5-0
24	ICP	6010 S Pb	15416120	61	B27-3-0
25	ICP	6010 S Pb	15416127	80	B26-EP-0
26	ICP	6010 S Pb	15416131	134	B26-1.5-0
27	ICP	6010 S Pb	15416134	55	B26-3-0
28	ICP	6010 S Pb	15416147	103	B99-3-0

2/4/03

48 Hr

RECEIVED
2/7/03 15:30

	QUEUE	PROBECODE	HSN	RESULTS	CUST SAMPLE ID
29	ICP	6010 S Pb	15416151	213	B98-1.5-0
30	ICP	6010 S Pb	15416152	132	B98-1.5-0.3
31	ICP	6010 S Pb	15416153	132	B98-1.5-0.6
32	ICP	6010 S Pb	15416154	111	B98-3-0

YS
HC

RECEIVING
2/7/03 15:30

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15438 841855 SR680 Sunol Grade
Received	02/11/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15438 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15438001	B91-EP-0	3.30	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438002	B91-3-0	1.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438003	B91-3-0.3	0.950	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438004	B90-EP-0	4.80	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438005	B90-EP-0.6	2.70	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438006	B90-1.5-0	2.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438007	B89-EP-0	4.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438008	B89-EP-0.3	5.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438009	B89-1.5-0	3.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438010	B89-1.5-0.3	2.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438011	B89-3-0	3.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438012	B89-6-0	1.40	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438013	B88-EP-0	6.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438014	B88-1.5-0	1.40	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438015	B88-1.5-0.3	1.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438016	B88-3-0	1.30	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438017	B87-EP-0	1.70	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438018	B87-1.5-0	2.40	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438019	B87-1.5-0.3	2.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438020	B87-3-0	1.30	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438021	B86-EP-0	4.33	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438022	B86-EP-0.3	0.296	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438023	B86-1.5-0	1.93	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438024	B86-3-0	1.83	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438025	B86-6-0	2.15	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438026	B76-1.5-0	3.06	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438027	B76-1.5-0.3	2.29	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438028	B76-1.5-0.6	0.728	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438029	B76-3-0	2.57	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438030	B75-EP-0	6.90	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438031	B75-1.5-0	1.93	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438032	B75-1.5-0.3	2.78	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438033	B75-3-0	2.06	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438034	B75-4.5-0	2.27	0.050	mg/L	01/31/03	02/14/03	Soil	1:1

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15438 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead (continued)
Method 6010B STLC Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15438035	B74-6-0	3.76	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438036	B96-1.5-0	16.5	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438037	B96-3-0	4.07	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438038	B96-4.5-0	2.24	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438039	B96-4.5-0.3	1.44	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438040	B95-1.5-0	11.7	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438041	B95-1.5-0.3	4.70	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438042	B95-3-0	6.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438043	B95-6-0	4.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438044	B94-1.5-0	3.20	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438045	B93-1.5-0	4.30	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438046	B93-1.5-0.3	5.00	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438047	B93-3-0	4.20	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438048	B93-4.5-0	3.20	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438049	B92-1.5-0	1.70	0.050	mg/L	01/31/03	02/14/03	Soil	1:1
15438050	B92-3-0	0.830	0.050	mg/L	01/31/03	02/14/03	Soil	1:1

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BFloor

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15401 **Date:** 2/7/03
IT Project # 841855 SR680 Sunol Grade

The following samples were analyzed for total lead. Please fax us a confirmation requesting to begin the STLC analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	QUEUE	PROC CODE	LSN	Result	CUST SAMPLE ID
1	ICP	6010 S Pb	15401001	111	B91-EP-0
2	ICP	6010 S Pb	15401007	94.3	B91-3-0
3	ICP	6010 S Pb	15401008	50.5	B91-3-0.3
4	ICP	6010 S Pb	15401010	174	B90-EP-0
5	ICP	6010 S Pb	15401012	265	B90-EP-0.6
6	ICP	6010 S Pb	15401013	75.8	B90-1.5-0
7	ICP	6010 S Pb	15401020	262	B89-EP-0
8	ICP	6010 S Pb	15401021	177	B89-EP-0.3
9	ICP	6010 S Pb	15401024	178	B89-1.5-0
10	ICP	6010 S Pb	15401025	55.6	B89-1.5-0.3
11	ICP	6010 S Pb	15401027	118	B89-3-0
12	ICP	6010 S Pb	15401030	74.7	B89-6-0
13	ICP	6010 S Pb	15401031	347	B88-EP-0
14	ICP	6010 S Pb	15401034	90.8	B88-1.5-0
15	ICP	6010 S Pb	15401035	58.8	B88-1.5-0.3
16	ICP	6010 S Pb	15401037	53.7	B88-3-0
17	ICP	6010 S Pb	15401040	123	B87-EP-0
18	ICP	6010 S Pb	15401043	180	B87-1.5-0
19	ICP	6010 S Pb	15401044	106	B87-1.5-0.3
20	ICP	6010 S Pb	15401046	80.6	B87-3-0
21	ICP	6010 S Pb	15401051	140	B86-EP-0
22	ICP	6010 S Pb	15401052	122	B86-EP-0.3
23	ICP	6010 S Pb	15401055	153	B86-1.5-0
24	ICP	6010 S Pb	15401058	77.7	B86-3-0
25	ICP	6010 S Pb	15401061	86.1	B86-6-0
26	ICP	6010 S Pb	15401062	188	B76-1.5-0
27	ICP	6010 S Pb	15401063	64.2	B76-1.5-0.3
28	ICP	6010 S Pb	15401064	61.2	B76-1.5-0.6
29	ICP	6010 S Pb	15401066	135	B76-3-0

1/31/03

48 HR

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15438

	QUEUE	PROC CODE	LAB ISN	RESULT	CUST SAMPLE ID
30	ICP	6010 S Pb	15401069	226	B75-EP-0
31	ICP	6010 S Pb	15401072	108	B75-1.5-0
32	ICP	6010 S Pb	15401073	69.4	B75-1.5-0.3
33	ICP	6010 S Pb	15401075	78.8	B75-3-0
34	ICP	6010 S Pb	15401079	139	B75-4.5-0
35	ICP	6010 S Pb	15401080	90.5	B74-6-0
36	ICP	6010 S Pb	15401082	758	B96-1.5-0
37	ICP	6010 S Pb	15401085	127	B96-3-0
38	ICP	6010 S Pb	15401088	93	B96-4.5-0
39	ICP	6010 S Pb	15401089	73	B96-4.5-0.3
40	ICP	6010 S Pb	15401092	352	B95-1.5-0
41	ICP	6010 S Pb	15401093	90	B95-1.5-0.3
42	ICP	6010 S Pb	15401095	156	B95-3-0
43	ICP	6010 S Pb	15401098	96	B95-6-0
44	ICP	6010 S Pb	15401099	152	B94-1.5-0
45	ICP	6010 S Pb	15401105	103	B93-1.5-0
46	ICP	6010 S Pb	15401106	62	B93-1.5-0.3
47	ICP	6010 S Pb	15401108	71	B93-3-0
48	ICP	6010 S Pb	15401111	341	B93-4.5-0
49	ICP	6010 S Pb	15401112	93	B92-1.5-0
50	ICP	6010 S Pb	15401116	65	B92-3-0

48 HR

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15394 841855 SR680 Sunol Grade
Received	01/30/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15394 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC-DI

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15394001	B153-3-0.6	ND	0.010	mg/L	01/13/03	02/04/03	Soil	1:1
15394002	B152-EP-0	0.588	0.010	mg/L	01/13/03	02/04/03	Soil	1:1
15394003	B151-EP-0	0.691	0.010	mg/L	01/13/03	02/04/03	Soil	1:1
15394004	B139-EP-0	0.580	0.010	mg/L	01/13/03	02/04/03	Soil	1:1
15394005	B156-EP-0.3	ND	0.010	mg/L	01/13/03	02/04/03	Soil	1:1
15394006	B138-1.5-0	0.889	0.010	mg/L	01/13/03	02/04/03	Soil	1:1
15394007	B116-EP-0	0.761	0.010	mg/L	01/14/03	02/04/03	Soil	1:1
15394008	B115-1.5-0	ND	0.010	mg/L	01/14/03	02/04/03	Soil	1:1
15394009	B93-EP-0	ND	0.010	mg/L	01/14/03	02/04/03	Soil	1:1
15394010	B122-EP-0	ND	0.010	mg/L	01/14/03	02/04/03	Soil	1:1
15394011	B149-EP-0	0.654	0.010	mg/L	01/15/03	02/04/03	Soil	1:1
15394012	B142-EP-0.3	0.764	0.010	mg/L	01/15/03	02/04/03	Soil	1:1
15394013	B141-EP-0	1.51	0.010	mg/L	01/15/03	02/04/03	Soil	1:1
15394014	B140-EP-0	0.508	0.010	mg/L	01/15/03	02/04/03	Soil	1:1

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A Floor (15342, 15343, 15348)

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15371
Shaw E & I Project # 841855 **Date:** 1/30/03

The following samples were analyzed for STLC. Please fax us a confirmation requesting to begin the STLC-DI analysis. Thank you.

5 day TAT

Note: The units for the "Result" column are in ppm.

	LAB WO ID	QUEUE	PROG CODE	HSN	Result	CUST SAMPLE ID
1	15370	ICP	6010 C Pb	15370006	5.87	B153-3-0.6
2	15370	ICP	6010 C Pb	15370007	27.4	B152-EP-0
3	15370	ICP	6010 C Pb	15370009	6.59	B151-EP-0
4	15370	ICP	6010 C Pb	15370015	5.92	B139-EP-0
5	15370	ICP	6010 C Pb	15370002	2.25	B156-EP-0.3
6	15370	ICP	6010 C Pb	15370017	4.02	B138-1.5-0

	LAB WO ID	QUEUE	PROG CODE	HSN	Result	CUST SAMPLE ID
7	15371	ICP	6010 C Pb	15371013	6.15	B116-EP-0
8	15371	ICP	6010 C Pb	15371016	8.28	B115-1.5-0
9	15371	ICP	6010 C Pb	15371022	12.8	B93-EP-0
10	15371	ICP	6010 C Pb	15371010	0.91	B122-EP-0

	LAB WO ID	QUEUE	PROG CODE	HSN	Result	CUST SAMPLE ID
11	15374	ICP	6010 C Pb	15374002	8.59	B149-EP-0
12	15374	ICP	6010 C Pb	15374011	11.3	B142-EP-0.3
13	15374	ICP	6010 C Pb	15374013	6.42	B141-EP-0
14	15374	ICP	6010 C Pb	15374014	10.1	B140-EP-0

RECEIVING
1/30/03 13:00

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15418 841855 SR680 Sunol Grade
Received	02/05/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
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LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15418 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC-DI

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15418001	B113-1.5-0	1.52	0.010	mg/L	01/20/03	02/10/03	Soil	1:1
15418002	B113-1.5-0.6	ND	0.010	mg/L	01/20/03	02/10/03	Soil	1:1
15418003	B112-EP-0	ND	0.010	mg/L	01/17/03	02/10/03	Soil	1:1
15418004	B96-EP-0	0.853	0.010	mg/L	01/14/03	02/10/03	Soil	1:1

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AFloor/BFloor (15343,15353,15367)

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15379,15380
IT Project # 841855 SR680 Sunol Grade **Date:** 02/04/03

The following samples were analyzed for STLC. Please fax us a confirmation requesting to begin the STLC-DI analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

LAB WO ID	QUEUE	PROC CODE	PROC DESC	HSN	Result	CUST SAMPLE ID
15379	ICP	6010 C Pb	Pb by ICP	15379005	13.9	B113-1.5-0
15379	ICP	6010 C Pb	Pb by ICP	15379006	6.67	B113-1.5-0.6

1/20/03

LAB WO ID	QUEUE	PROC CODE	PROC DESC	HSN	Result	CUST SAMPLE ID
15380	ICP	6010 C Pb	Pb by ICP	15380003	5.62	B112-EP-0

1/17/03

LAB WO ID	QUEUE	PROC CODE	PROC DESC	HSN	Result	CUST SAMPLE ID
15371	ICP	6010 C Pb	Pb by ICP	15371021	4.98	B96-EP-0

1/14/03

RECEIVING
2/5/03 8:30 AM

48 Hr Rush

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Environmental Laboratories

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Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15423 841855 SR680 Sunol Grade
Received	02/07/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

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DIL - Results from a diluted sample
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RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
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Analytical Laboratory Division
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Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15423 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC-DI

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15423001	B159-1.5-0	1.23	0.010	mg/L	01/22/03	02/14/03	Soil	1:1
15423002	B146-3-0	ND	0.010	mg/L	01/22/03	02/14/03	Soil	1:1
15423003	B76-EP-0	ND	0.010	mg/L	01/23/03	02/14/03	Soil	1:1
15423004	B75-EP-0	ND	0.010	mg/L	01/23/03	02/14/03	Soil	1:1
15423005	B62-EP-0.3	ND	0.010	mg/L	01/23/03	02/14/03	Soil	1:1
15423006	B159-3-0	ND	0.010	mg/L	01/22/03	02/11/03	Soil	1:1
15423007	B149-3-0.3	ND	0.010	mg/L	01/22/03	02/14/03	Soil	1:1

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BFloor (15373)
AFloor (15368)

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15392, 15393
Shaw E & I Project # 841855 SR680 **Date:** 02/05/03

The following samples were analyzed for STLC. Please fax us a confirmation requesting to begin the STLC-DI analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	LAB WO ID	QUEUE	PROC CODE	PROC DESC	HSN	Result	CUST SAMPLE ID
1	15392	ICP	6010 C Pb	Pb by ICP STLC	15392004	5.81	B159-1.5-0
2	15392	ICP	6010 C Pb	Pb by ICP STLC)	15392014	8.77	B146-3-0

1/22

	LAB WO ID	QUEUE	PROC CODE	PROC DESC	HSN	Result	CUST SAMPLE ID
3	15393	ICP	6010 C Pb	Pb by ICP STLC	15393007	8.3	B76-EP-0
4	15393	ICP	6010 C Pb	Pb by ICP STLC	15393008	6.03	B75-EP-0
5	15393	ICP	6010 C Pb	Pb by ICP STLC	15393012	5.34	B62-EP-0.3

1/23

	LAB WO ID	QUEUE	PROC CODE	PROC DESC	HSN	Result	CUST SAMPLE ID
6	15392	ICP	6010 C Pb	Pb by ICP STLC	15392006	4.28	B159-3-0
7	15392	ICP	6010 C Pb	Pb by ICP STLC)	15392012	3.14	B149-3-0.3

1/22

RECEIVING
2/6/03 12:15

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Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15431 841855 SR680 Sunol Grade
Received	02/07/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

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Ray James
Laboratory Director

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Sparger Technology, Inc.
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Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15431 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC-DI

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15431001	B143-1.5-0	0.224	0.010	mg/L	01/24/03	02/11/03	Soil	1:1
15431002	B45-EP-0.3	1.31	0.010	mg/L	01/24/03	02/11/03	Soil	1:1
15431003	B44-EP-0	2.27	0.010	mg/L	01/24/03	02/11/03	Soil	1:1
15431004	B46-EP-0	0.562	0.010	mg/L	01/24/03	02/11/03	Soil	1:1

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BFloor (15376)

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15408
IT Project # 841855 SR680 Sunol Grade **Date:** 02/07/03

The following samples were analyzed for STLC. Please email us a confirmation requesting to begin the STLC-DI analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

[illegible]	LAB WO-ID	QUEUE	PROC-CODE	PROC-DESC	HSN	RESULT	CUST-SAMPLE-ID
1	15408	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15408006	1.7	B143-1.5-0
2	15408	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15408008	8.26	B45-EP-0.3
3	15408	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15408009	23.4	B44-EP-0
4	15408	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15408007	3.5	B46-EP-0

48 Hr

RECEIVED
2/7/03 11:15

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Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15445 841855 SR680 Sunol Grade
Received	02/11/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

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Ray James
Laboratory Director

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Sparger Technology, Inc.
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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15445 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC-DI

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15445001	B140-1.5-0.6	9.30	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445002	B128-EP-0	4.70	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445003	B128-EP-0.3	13.8	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445004	B119-1.5-0.3	0.973	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445005	B120-1.5-0	1.21	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445006	B128-3-0	1.86	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445007	B128-1.5-0	1.67	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445008	B132-1.5-0.3	1.28	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445009	B128-1.5-0.3	0.815	0.010	mg/L	01/27/03	02/20/03	Soil	1:1
15445010	B142-3-0	1.25	0.010	mg/L	01/27/03	02/20/03	Soil	1:1

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A Floor (15385)

Client's Name: Martha Adams **Company**: Shaw E & I

Work Order # 15411
IT Project # 841855 SR680 Sunol Grade **Date:** 2/11/03

The following samples were analyzed for STLC. Please fax us a confirmation requesting to begin the STLC-DI analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	LAB_WO_ID	QUEUE	PROC_CODE	PROC_DESC	HSN	Result	CUST_SAMPLE_ID
1	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411009	7.86	B140-1.5-0.6
2	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411020	11.6	B128-EP-0
3	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411021	24.9	B128-EP-0.3
4	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411031	3.27	B119-1.5-0.3
5	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411028	3.51	B120-1.5-0
6	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411025	3.63	B128-3-0
7	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411022	4.28	B128-1.5-0
8	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411015	4.46	B132-1.5-0.3
9	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411023	4.74	B128-1.5-0.3
10	15411	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15411003	4.82	B142-3-0

1/27/03

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2/11/03 14:40

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Environmental Laboratories

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Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15462 841855 SR680 Sunol Grade
Received	02/18/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

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DIL - Results from a diluted sample
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Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15462 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC-DI

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15462001	B118-1.5-0.3	1.67	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462002	B117-3-0.3	1.31	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462003	B118-3-0.6	ND	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462004	B110-6-0	1.09	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462005	B109-EP-0	1.90	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462006	B109-1.5-0	1.80	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462007	B102-3-0.3	0.914	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462008	B108-EP-0	1.15	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462009	B104-1.5-0	1.53	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462010	B102-EP-0.3	0.939	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462011	B102-1.5-0	1.55	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462012	B108-3-0	1.08	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462013	B103-3-0	0.930	0.010	mg/L	01/28/03	02/20/03	Soil	1:1
15462014	B109-3-0	0.831	0.010	mg/L	01/28/03	02/20/03	Soil	1:1

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A Floor (15388)

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15419
IT Project # 841855 SR680 Sunol Grade **Date:** 2/18/03

The following samples were analyzed for STLC. Please fax us a confirmation requesting to begin the STLC-DI analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	LAB WO#ID	QUEUE	PROC CODE	PROC DESC	SHSN	RESULT	CUST SAMPLE ID
1	15419	ICP	6010 C Pb	Pb by ICP STLC	15419001	7.48	B118-1.5-0.3
2	15419	ICP	6010 C Pb	Pb by ICP STLC	15419005	6.09	B117-3-0.3
3	15419	ICP	6010 C Pb	Pb by ICP STLC	15419003	1.41	B118-3-0.6
4	15419	ICP	6010 C Pb	Pb by ICP STLC	15419011	5.68	B110-6-0
5	15419	ICP	6010 C Pb	Pb by ICP STLC	15419012	7.28	B109-EP-0
6	15419	ICP	6010 C Pb	Pb by ICP STLC	15419013	13.1	B109-1.5-0
7	15419	ICP	6010 C Pb	Pb by ICP STLC	15419031	4.34	B102-3-0.3
8	15419	ICP	6010 C Pb	Pb by ICP STLC	15419015	5.7	B108-EP-0
9	15419	ICP	6010 C Pb	Pb by ICP STLC	15419020	9.02	B104-1.5-0
10	15419	ICP	6010 C Pb	Pb by ICP STLC	15419028	5.34	B102-EP-0.3
11	15419	ICP	6010 C Pb	Pb by ICP STLC	15419030	7.4	B102-1.5-0
12	15419	ICP	6010 C Pb	Pb by ICP STLC	15419034	5.36	B108-3-0
13	15419	ICP	6010 C Pb	Pb by ICP STLC	15419026	4.35	B103-3-0
14	15419	ICP	6010 C Pb	Pb by ICP STLC	15419014	5.42	B109-3-0

48 HOUR
Rush!

RECEIVING
2/18/03 12:50

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Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15463 841855 SR680 Sunol Grade
Received	02/18/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

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Ray James
Laboratory Director

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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15463 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B STLC-DI

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15463001	B56-EP-0.0	5.14	0.010	mg/L	01/29/03	02/20/03	Soil	1:1
15463002	B17-EP-0.0	1.55	0.010	mg/L	01/29/03	02/20/03	Soil	1:1
15463003	B20-EP-0.3	1.14	0.010	mg/L	01/29/03	02/20/03	Soil	1:1
15463004	B68-1.5-0	2.03	0.010	mg/L	02/03/03	02/20/03	Soil	1:1
15463005	B65-1.5-0	2.16	0.010	mg/L	02/03/03	02/20/03	Soil	1:1
15463006	B65-1.5-0.3	4.17	0.010	mg/L	02/03/03	02/20/03	Soil	1:1
15463007	B54-1.5-0	1.15	0.010	mg/L	02/03/03	02/20/03	Soil	1:1
15463008	B98-1.5-0	1.96	0.010	mg/L	02/04/03	02/20/03	Soil	1:1
15463009	B98-1.5-0.3	1.50	0.010	mg/L	02/04/03	02/20/03	Soil	1:1

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Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15424, 15425
IT Project # 841855 **Date:** 2/18/03

The following samples were analyzed for. Please fax us a confirmation requesting to begin the STLC-DI analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

BFloor (15391)

SL	LAB WO ID	QUEUE	PROC CODE	PROC DESC	LTSN	Result	CUST SAMPLE ID
1	15424	ICP	6010 C Pb	Pb by ICP STLC	15424009	14.9	B56-EP-0.0
2	15424	ICP	6010 C Pb	Pb by ICP STLC	15424015	5.83	B17-EP-0.0
3	15424	ICP	6010 C Pb	Pb by ICP STLC	15424014	4.98	B20-EP-0.3

AFloor (15406)

SL	LAB WO ID	QUEUE	PROC CODE	PROC DESC	LTSN	Result	CUST SAMPLE ID
4	15425	ICP	6010 C Pb	Pb by ICP STLC	15425025	5.17	B68-1.5-0
5	15425	ICP	6010 C Pb	Pb by ICP STLC	15425029	7.38	B65-1.5-0
6	15425	ICP	6010 C Pb	Pb by ICP STLC	15425030	10.1	B65-1.5-0.3
7	15425	ICP	6010 C Pb	Pb by ICP STLC	15425016	4.42	B54-1.5-0

SFloor (15416)

SL	LAB WO ID	QUEUE	PROC CODE	PROC DESC	LTSN	Result	CUST SAMPLE ID
8	15433	ICP	6010 C Pb	Pb by ICP STLC	15433029	7.1	B98-1.5-0
9	15433	ICP	6010 C Pb	Pb by ICP STLC	15433030	5.57	B98-1.5-0.3

48 HOUR

Rush!

RECEIVING

2/18/03 13:00

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15381 841855 SR680 Sunol Grade
Received	01/27/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

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- MSD - Matrix Spike Duplicate
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- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
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- RL - Reporting Limit

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Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

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Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15381 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B TCLP Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15381001	B119-EP-0	2.10	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15381002	B119-EP-0.3	1.71	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15381003	B97-EP-0	1.26	0.050	mg/L	01/14/03	01/29/03	Soil	1:1
15381004	B144-EP-0	3.03	0.050	mg/L	01/13/03	01/29/03	Soil	1:1
15381005	B143-EP-0	1.36	0.050	mg/L	01/15/03	01/29/03	Soil	1:1
15381006	B95-EP-0	0.723	0.050	mg/L	01/17/03	01/29/03	Soil	1:1

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A-Floor

1	15343124	B119-EP-0	1/14/2003 0:00	1110	Lead	mg/Kg	6010B Soil Pb	
2	15343125	B119-EP-0.3	1/14/2003 0:00	1440	Lead	mg/Kg	6010B Soil Pb	
3	15343175	B97-EP-0	1/14/2003 0:00	2110	Lead	mg/Kg	6010B Soil Pb	
4	15342056	B144-EP-0	1/13/2003 0:00	1730	Lead	mg/Kg	6010B Soil Pb	
5	15348033	B143-EP-0	1/15/2003 0:00	1330	Lead	mg/Kg	6010B Soil Pb	
6	15353040	B95-EP-0	1/17/2003 0:00	1090	Lead	mg/Kg	6010B Soil Pb	
TCLP Request 1								
5 day TAT								
1/27/2003								
841855								

RECEIVING

1/27/03 13:00

Shaw™ EMCON/OWT, Inc.

1326 North Market Boulevard
Sacramento, CA 95834
Phone: (916) 928-3300
Fax: (916) 565-4356

Fax

To: Jennifer
From: Martha
Fax:
Pages: 4
Phone:
Date: 1.27.03
RE:
CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

WET x TCLP

RECEIVING
1/27/03 13:00

Confidentiality Notice

This information contained in this fax is intended for the use of the individual or entity named and may contain information that is confidential, privileged and/or otherwise exempt from disclosure under applicable law. If you are not the intended recipient, any dissemination, distribution or copying of this communication is strictly prohibited. If you received this communication in error, please notify us immediately by telephone and return the original fax to us at the address shown. Thank you!

Revised 05/02/02

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15430 841855 SR680 Sunol Grade
Received	02/07/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15430 **Workorder ID** 841855 SR680 Sunol Grade

Parameter Lead
Method 6010B TCLP Pb

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15430001	B45-EP-0.3	1.63	0.050	mg/L	01/24/03	02/11/03	Soil	1:1
15430002	B44-EP-0	2.66	0.050	mg/L	01/24/03	02/11/03	Soil	1:1

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BFloor (15376)

Client's Name: Martha Adams **Company:** Shaw E & I

Work Order # 15408
IT Project # 841855 SR680 Sunol Grade **Date:** 02/07/03

The following samples were analyzed for STLC. Please email us a confirmation requesting to begin the TCLP analysis. Thank you.

48 hour TAT

Note: The units for the "Result" column are in ppm.

	LAB WO ID	QUEUE	PROC CODE	PROC DESC	HSN	RESULT	CUST SAMPLE ID
1	15408	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15408008	8.26	B45-EP-0.3
2	15408	ICP	6010 C Pb	Pb by ICP (STLC Digestate)	15408009	23.4	B44-EP-0

48 Hr

RECEIVED
2/7/03 11:15

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Scientific Division

Martha Adams
Shaw Environmental & Infrastructure
1326 N. Market Blvd.
Sacramento, CA 95834

Client	Shaw Environmental & Infrastructure
Workorder	15397 841855 SR680 Sunol Grade
Received	01/31/03

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

DUP - Matrix Duplicate
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MSD - Matrix Spike Duplicate
LCS - Lab Control Sample
LCSD - Lab Control Sample Duplicate
RPD - Relative Percent Difference
QC - Additional Quality Control
DIL - Results from a diluted sample
ND - None Detected
RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	Shaw Environmental & Infrastructure	**Workorder ID**	841855 SR680 Sunol Grade
Workorder #	15397	**Sampled**	01/30/03
Laboratory ID	15397001	**Received**	01/30/03
Sample ID	SB60-GW	**Reported**	02/10/03
Matrix	Water		

GC/MS Semivolatiles - 8270C

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilut
1,2-Dichlorobenzene	01/31/03	02/10/03	ND	10	ug/L	1
1,2,4-Trichlorobenzene	01/31/03	02/10/03	ND	10	ug/L	1
1,3-Dichlorobenzene	01/31/03	02/10/03	ND	10	ug/L	1
1,4-Dichlorobenzene	01/31/03	02/10/03	ND	10	ug/L	1
2-Chloronaphthalene	01/31/03	02/10/03	ND	10	ug/L	1
2-Chlorophenol	01/31/03	02/10/03	ND	10	ug/L	1
2-Methylnaphthalene	01/31/03	02/10/03	ND	10	ug/L	1
2-Methylphenol(o-Cresol)	01/31/03	02/10/03	ND	10	ug/L	1
2-Nitrophenol	01/31/03	02/10/03	ND	10	ug/L	1
2,4-Dichlorophenol	01/31/03	02/10/03	ND	10	ug/L	1
2,4-Dimethylphenol	01/31/03	02/10/03	ND	10	ug/L	1
2,4-Dinitrophenol	01/31/03	02/10/03	ND	50	ug/L	1
2,4-Dinitrotoluene	01/31/03	02/10/03	ND	10	ug/L	1
2,4,5-Trichlorophenol	01/31/03	02/10/03	ND	50	ug/L	1
2,4,6-Trichlorophenol	01/31/03	02/10/03	ND	10	ug/L	1
2,6-Dinitrotoluene	01/31/03	02/10/03	ND	10	ug/L	1
2-Nitroaniline	01/31/03	02/10/03	ND	50	ug/L	1
3,3'-Dichlorobenzidine	01/31/03	02/10/03	ND	20	ug/L	1
3-Nitroaniline	01/31/03	02/10/03	ND	50	ug/L	1
4Bromophenylphenylether	01/31/03	02/10/03	ND	10	ug/L	1
4-Chloro-3-methylphenol	01/31/03	02/10/03	ND	10	ug/L	1
4-Chloroaniline	01/31/03	02/10/03	ND	10	ug/L	1
4-Methylphenol(p-Cresol)	01/31/03	02/10/03	ND	10	ug/L	1
4-Nitroaniline	01/31/03	02/10/03	ND	50	ug/L	1
4-Nitrophenol	01/31/03	02/10/03	ND	50	ug/L	1
4,6-Dinitro-2-methylphenol	01/31/03	02/10/03	ND	50	ug/L	1
4Chlorophenylphenylether	01/31/03	02/10/03	ND	10	ug/L	1
Acenaphthene	01/31/03	02/10/03	ND	10	ug/L	1
Acenaphthylene	01/31/03	02/10/03	ND	10	ug/L	1
Anthracene	01/31/03	02/10/03	ND	10	ug/L	1
Benzo(a)anthracene	01/31/03	02/10/03	ND	10	ug/L	1
Benzo(a)pyrene	01/31/03	02/10/03	ND	10	ug/L	1

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Test Certificate of Analysis

Client ID	Shaw Environmental & Infrastructure	**Workorder ID**	841855 SR680 Sunol Grade
Workorder #	15397	**Sampled**	01/30/03
Laboratory ID	15397001	**Received**	01/30/03
Sample ID	SB60-GW	**Reported**	02/10/03
Matrix	Water		

GC/MS Semivolatiles - 8270C (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Benzo(b)fluoranthene	01/31/03	02/10/03	ND	10	ug/L	1:
Benzo(g,h,i)perylene	01/31/03	02/10/03	ND	10	ug/L	1:
Benzo(k)fluoranthene	01/31/03	02/10/03	ND	10	ug/L	1:
Benzoic acid	01/31/03	02/10/03	ND	50	ug/L	1:
Benzyl alcohol	01/31/03	02/10/03	ND	10	ug/L	1:
Bis2-Chloroethoxymethane	01/31/03	02/10/03	ND	10	ug/L	1:
Bis(2-Chloroethyl)ether	01/31/03	02/10/03	ND	10	ug/L	1:
bis2-chloroisopropylether	01/31/03	02/10/03	ND	10	ug/L	1:
bis2-ethylhexylphthalate	01/31/03	02/10/03	ND	10	ug/L	1:
Butylbenzylphthalate	01/31/03	02/10/03	ND	10	ug/L	1:
Chrysene	01/31/03	02/10/03	ND	10	ug/L	1:
Di-n-butylphthalate	01/31/03	02/10/03	ND	10	ug/L	1:
Di-n-octylphthalate	01/31/03	02/10/03	ND	10	ug/L	1:
Dibenzo(a,h)anthracene	01/31/03	02/10/03	ND	10	ug/L	1:
Dibenzofuran	01/31/03	02/10/03	ND	10	ug/L	1:
Diethylphthalate	01/31/03	02/10/03	ND	10	ug/L	1:
Dimethyl-phthalate	01/31/03	02/10/03	ND	10	ug/L	1:
Fluoranthene	01/31/03	02/10/03	ND	10	ug/L	1:
Fluorene	01/31/03	02/10/03	ND	10	ug/L	1:
Hexachlorobenzene	01/31/03	02/10/03	ND	10	ug/L	1:
Hexachlorobutadiene	01/31/03	02/10/03	ND	10	ug/L	1:
Hexachlorocyclopentadiene	01/31/03	02/10/03	ND	10	ug/L	1:
Hexachloroethane	01/31/03	02/10/03	ND	10	ug/L	1:
Indeno(1,2,3-cd)pyrene	01/31/03	02/10/03	ND	10	ug/L	1:
Isophorone	01/31/03	02/10/03	ND	10	ug/L	1:
N-Nitroso-di-propylamine	01/31/03	02/10/03	ND	10	ug/L	1:
N-Nitrosodiphenylamine	01/31/03	02/10/03	ND	10	ug/L	1:
Naphthalene	01/31/03	02/10/03	ND	10	ug/L	1:
Nitrobenzene	01/31/03	02/10/03	ND	10	ug/L	1:
Pentachlorophenol	01/31/03	02/10/03	ND	50	ug/L	1:
Phenanthrene	01/31/03	02/10/03	ND	10	ug/L	1:
Phenol	01/31/03	02/10/03	ND	10	ug/L	1:

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Laboratory ID	15397001	**Received**	01/30/03
Sample ID	SB60-GW	**Reported**	02/10/03
Matrix	Water		

GC/MS Semivolatiles - 8270C (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilut
Pyrene	01/31/03	02/10/03	ND	10	ug/L	1:1

Surrogates	Result	Recovery	Limits
2,4,6-Tribromophenol	127 ug/L	64 %	(10 - 123)
2-Fluorobiphenyl	72 ug/L	72 %	(43 - 135)
2-Fluorophenol	41 ug/L	20 %	(21 - 100)
p-Terphenyl-d14	76 ug/L	76 %	(33 - 141)
Nitrobenzene-D5	68 ug/L	68 %	(35 - 114)
Phenol-D6	38 ug/L	19 %	(10 - 94)

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Laboratory ID	15397001	**Received**	01/30/03
Sample ID	SB60-GW	**Reported**	02/10/03
Matrix	Water		

EPA Method 7470A Mercury - EPA 7470A

Parameter	Prep Date	Analyzed	Result	RL	Units	Diluti
Mercury	02/07/03	02/10/03	ND	0.00020	mg/L	1:

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Test Certificate of Analysis

Client ID	Shaw Environmental & Infrastructure	**Workorder ID**	841855 SR680 Sunol Grade
Workorder #	15397	**Sampled**	01/30/03
Laboratory ID	15397001	**Received**	01/30/03
Sample ID	SB60-GW	**Reported**	02/10/03
Matrix	Water		

Metals, CAM16 - 6010B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilut
Antimony	02/06/03	02/10/03	ND	0.060	mg/L	1:
Arsenic	02/06/03	02/10/03	ND	0.080	mg/L	1
Barium	**02/06/03**	**02/10/03**	**0.46**	**0.020**	**mg/L**	**1**
Beryllium	02/06/03	02/10/03	ND	0.0030	mg/L	1:
Cadmium	02/06/03	02/10/03	ND	0.0050	mg/L	1
Chromium	02/06/03	02/10/03	ND	0.010	mg/L	1
Cobalt	02/06/03	02/10/03	ND	0.050	mg/L	1:
Copper	02/06/03	02/10/03	ND	0.020	mg/L	1:
Lead	02/06/03	02/10/03	ND	0.010	mg/L	1
Molybdenum	02/06/03	02/10/03	ND	0.050	mg/L	1
Nickel	02/06/03	02/10/03	ND	0.040	mg/L	1:
Selenium	02/06/03	02/10/03	ND	0.10	mg/L	1
Silver	02/06/03	02/10/03	ND	0.010	mg/L	1
Thallium	02/06/03	02/10/03	ND	0.10	mg/L	1:
Vanadium	02/06/03	02/10/03	ND	0.050	mg/L	1:
Zinc	**02/06/03**	**02/10/03**	**0.038**	**0.015**	**mg/L**	**1**

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
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Test Certificate of Analysis

Client ID Shaw Environmental & Infrastructure
Workorder # 15397 **Workorder ID** 841855 SR680 Sunol Grade

Parameter TPHdiesel
Method 8015M DHS

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
15397001	SB60-GW	ND	50	ug/L	01/30/03	02/03/03	Water	1:1
15397002	Equipment Blank	ND	50	ug/L	01/30/03	02/03/03	Water	1:1

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Analytical Laboratory BIOR / 22-1
3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD
C.O.C. No. 23948
Page _____ **of** _____ STAL Invoice Number: [redacted]

Company: SHAW E+I
Phone: 916-565-4183
Project Manager: MARTHA ADAMS
FAX: 916-565-4356
Report Address:
SHAW E + I
1326 N. MARKET BLVD
SACRAMENTO. CA
Billing Name & Address:
Project Name: SUNOL GRADE
Project/Job#: 841855
Project Location: I-680, SUNOL GRADE
P.O.#:

ANALYSIS REQUEST

REMARKS: 1. RUN TPH DIESEL
2. RUN 6010 Metals Scan - (Filter Prior to Analysis)
3. RUN EPA 8270; if Enough Water

Sampler's Name: Ian Markham, Jody Rhoades

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	TCLP: BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel ~~TPH motor oil/kerosene (8015)~~	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260	EPA 625/8270/~~525~~ (if Enough Water)	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	MCLD	Total: CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	6010 Metals Scan	TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	SB60-GW	01/30	1115			1				X		X						X						X										X		
2	↓		1115			1				X		X																					X	X		
3	↓		1115	3					X			X																	X					X		
4	TRIP BLANK	01/30	–	1								X																	X					X		
5	EQUIPMENT BLANK	01/30	–			X						X						X																X		
6																																				
7																																				
8																																				
9																																				
10																																				

Relinquished by:	Received by:	Relinquished by:	Received by:
Jody Rhoades	M. Fleming		
Date: 1/30/03 Time: 16:40	Date: 1/30/03 Time: 16:40	Date: Time:	Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

1. DEFINITIONS

1.1 "Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample.

1.2 "Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

1.3 "Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

1.4 "Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

1.5 "Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services.

1.6 "Terms and Conditions" means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

2. ORDERS

2.1 The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis.

2.2 Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250.

3. PAYMENT TERMS

3.1 Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work.

3.2 Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

3.3 The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required.

4. RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

4.1 Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

4.2 Sparger reserves the absolute right, excercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client.

4.3 Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies. Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

4.4 Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed. Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed.

4.5 At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

4.6 Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5.

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied. No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

5.2 The liability and obligations of Sparger, and the remedies of the Client in connection with any services performed by Sparger will be limited to repeating the services performed or, at the sole option of Sparger, refunding in full or in part fees paid by the Client for such services. Sparger's obligation to repeat any services with respect to any sample will be contingent on the Client's providing, at the request of Sparger and at the Client's expense, an additional sample if necessary. Any reanalysis generating Results consistent with the original Results will be at the Client's expense. Except as otherwise specifically provided herein Sparger shall have no liability, obligation or responsibility of any kind for any losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) for any representation or warranty of any kind with respect to Sparger's services or Results.

5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control.

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirely, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results.

5.5 The Client represents and warrants that any sample delivered to Sparger will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by the Client. The Client further warrants that any sample containing any hazardous substances which is to be delivered to Sparger's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.

5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

6.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by Sparger as provided in Section 7.1, embodies the whole agreement of the parties. There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, unless made in accordance with Section 7.1; and these Terms and Conditions shall supersede all previous communications, representations, or agreements; either verbal or written, between the Client and Sparger. Sparger specifically rejects all additional inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to Sparger.

6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable.

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions. Sparger shall not be deemed to have amended or waived any provision, term or condition, or to have given any required consent to approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver.

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client.

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed.

SPARGER TECHNOLOGY, INC.
Analytical Laboratory
3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD
C.O.C. No. 23948
Page _____ **of** _____
STAL Invoice Number: 15397

Company: SHAW E + I
Phone: 916-565-4183
Project Manager: MARTHA ADAMS
FAX: 916-565-4356
Report Address:
SHAW E + I
1326 N. MARKET BLVD
SACRAMENTO, CA
Billing Name & Address:
Project Name: SUNOL GRADE
Project/Job#: 841855
Project Location: I 680, SUNOL GRADE
P.O.#:

ANALYSIS REQUEST

REMARKS: 1. Run TPH DIESEL
2. Run 6010 metals Scan - (filter Prior to Analysis)
3. Run EPA 8270, if enough Water

Sampler's Name: Jim MORRIS, Jody RHOADES

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Sampling Date	Sampling Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	TCLP: BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)/MTBE	TPHdiesel/~~TPHmotor oil/kerosene(8015)~~	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260	EPA 625/8270/~~525~~ (if enough Water)	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	MTBE	Total: CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	6010 Metals Scan	TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1	SB60-GW	01/30	1115			1				X		X						X						X										X		
2	↓		1115			1				X		X																					X	X		
3	↓		1115	3					X			X																	X					X		
4	TRIP BLANK	01/30	–	1								X																	X					X		
5	Equipment Blank	01/30	–			X						X						X																X		
6																																				
7																																				
8																																				
9																																				
10																																				

Relinquished by:	Date: 1/30/03	Time: 16 40	Received by:	Date: 1/30/03	Time: 16 40
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

TERMS AND CONDITIONS OF SALE
SPARGER TECHNOLOGY, INC.

1. DEFINITIONS

1.1 "Acceptance" of a sample means the determination of Sparger to proceed with work following receipt and inspection of such sample

1.2 "Client" means the individual or entity who may request laboratory, consulting, or sampling services, and his or its heirs, successors, assigns and representatives.

1.3 "Sparger" means Sparger Technology, Inc., its divisions and its employees, servants, agents and representatives.

1.4 "Price List" means Sparger's standard price schedule as such document may be amended from time to time by Sparger.

1.5 "Results" means either data generated by Sparger from the analysis of one or more samples or the work product generated by Sparger in the performance of consulting services

1.6 "Terms and Conditions," means these Terms and Conditions of Sale, including the Price List, and any additions or amendments hereto which are agreed to in writing by Sparger as provided in Section 7.1.

2. ORDERS

2.1 The Client may order services by submitting a written Chain of Custody/Work Order to Sparger by placing a telephone order which will be subsequently confirmed in writing, or by negotiated contract. Any such order constitutes a) an acceptance by the Client of Sparger's offer to do business with the Client under these Terms and Conditions, and b) an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to Sparger or initiation of consulting services constitutes the Client's express assent to be governed by these Terms and Conditions. Sparger reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit analysis

2.2 Any order placed by the Client under Section 2.1 is subject to a minimum cancellation charge of $250.

3. PAYMENT TERMS

3.1 Services performed by Sparger will be in accordance with prices quoted and later confirmed in writing or as stated on the Price List, which prices are subject to change periodically without notice. The Client should confirm with Sparger the current price prior to placing an order for work.

3.2 Payment terms are net 30 days from the date of invoice by Sparger. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) per month or portion thereof from the due date until the date of payment. Failure to pay for services will result in collection or attorney fees paid by client. All payments shall be made in United States currency.

3.3 The prices stated on the Price List do not include any sales, use or other taxes unless specifically stated. Such taxes will be added to invoice prices when required.

4. RECEIPT OF SAMPLES AND DELIVERY OF SERVICES

4.1 Prior to Sparger's Acceptance of any sample (or after any revocation of Acceptance), the entire risk of loss of or damage to such sample will remain with the Client. In no event will Sparger have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from Sparger's premises.

4.2 Sparger reserves the absolute right, excercisable at any time, to refuse to receive delivery of, refuse to Accept, or revoke Acceptance of any sample which in the sole judgment of Sparger a) is of unsuitable volume, or b) may be or become unsuitable for, or may pose a risk in, handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to Sparger by the Client.

4.3 Where applicable, Sparger will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State agency, American Society for Testing Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies. Sparger reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Sparger, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Sparger's Standard Operating Procedures.

4.4 Upon timely delivery of samples, Sparger will use its best efforts to comply with storage, processing and analytical holding time limits as set forth in applicable EPA or state guidelines or otherwise requested by the Client or set forth on the Price List. However, unless specifically made part of a written agreement between Sparger and the Client, such time limits cannot be guaranteed Unless specifically indicated on the Price List or expressly made part of a written agreement between Sparger and the Client, analytical turnaround times are not guaranteed

4.5 At Sparger's sole discretion, verbal Results may be given in advance of the written report of Results. Such verbal Results are tentative Results only, subject to confirmation or change based on Sparger's standard quality assurance review procedures.

4.6 Sparger reserves the right to subcontract services ordered by the Client to another laboratory or laboratories if in Sparger's sole judgment it is reasonably necessary, appropriate or advisable to do so. Sparger will in no way be liable for any subcontracted services except as specifically provided in Section 5.

5. WARRANTIES, LIABILITY AND INDEMNIFICATION

5.1 Sparger warrants only that its services will fulfill obligations set forth in Sections 4.3 and 4.4 hereof. This warranty is the sole and exclusive warranty given by Sparger in connection with any services performed by Sparger or any Results generated from such services, and Sparger gives and makes no other representation or warranty of any kind, express or implied No representative of Sparger is authorized to give or make any other representation or warranty or modify this warranty in any way.

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5.3 In no event shall Sparger have any responsibility or liability to the Client for any failure or delay in performance by Sparger which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of Sparger. Such causes and circumstances shall include, but not be limited to, acts of God acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain from Sparger's usual sources sufficient services or supplies, or any other cause beyond Sparger's reasonable control.

5.4 All results provided by Sparger are strictly for the use of its Clients, and Sparger is in no way responsible for use of such Results by Clients or third parties. All Results should be considered in their entirety, and Sparger is in no way responsible for the separation, detachment, or other use of any portion of the Results

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5.6 The Client shall indemnify and hold harmless Sparger from and against any and all claims, suits, judgments, damages, losses, liabilities, expenses, payments, taxes, duties, fines and/or other costs (including but not limited to liability to a third party) arising out of a) the presence of hazardous substances in any sample of the Client regardless of the Client's compliance with paragraph 5.5 hereof, b) accidents occurring during the transport of any sample of the Client, c) events or delays caused by the Client or otherwise beyond Sparger's control, or d) negligence by the Client in the use, evaluation, or application of Results provided by Sparger.

6. ENTIRE AGREEMENT; SEVERABILITY

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6.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of these Terms and Conditions, the intent of the parties being that the provisions be severable

7. AMENDMENTS AND WAIVERS

7.1 Sparger shall not be subject to or bound by any provision, term or condition which is in addition to or inconsistent or conflicting with these Terms and Conditions Sparger shall not be deemed to have amended or waived any provision term or condition, or to have given any required consent or approval, or to have waived any breach by the Client of any of these Terms and Conditions, unless specifically set forth in writing and executed on behalf of Sparger by a duly authorized officer. No other employee, servant, agent or representative of Sparger has any authority whatsoever to add to, delete, alter or vary any of these Terms and Conditions in any manner, or to give any consent, approval or waiver, and Sparger shall not be bound by any such purported addition, deletion, alteration, variation, consent, approval or waiver

7.2 No waiver by Sparger of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client

8. GOVERNING LAW

8.1 These Terms and Condition, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state in which management of the subject project is performed

EMSL Analytical, Inc.

382 South Abbott Avenue
Milpitas, CA 95035
Phone: (408) 934-7010 Fax: (408) 934-7015

Attn.: Martha Adams
Shaw E & I
1326 North Market Blvd.
Sacramento, CA 95834

Monday, January 27, 2003

Ref Number: CA03172

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0001	Vargas 33-0306 - cement - North side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0002	Vargas 33-0306 - cement - South side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0003	Vargas 33-0306 - gasket compound	Brown Fibrous Heterogeneous	Teased/Crushed		None Detected	50%	Cellulose	50%	Other
0004	Vargas 33-0306 - cement	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0005	Vargas 33-0306 - cement	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0006	Vargas 33-0306 - grout	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Note: 3RD COPY OF REPORT!

Erik Rogers
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. Detection limit for quantitative1000 point count technique is 0.1%. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results whenrequested to physically separate and analyze layered samples.

Analysis performed by EMSL Milpitas (NVLAP Air and Bulk #101048-3, ELAP #1620)

EMSL Analytical, Inc.

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Milpitas, CA 95035
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Monday, January 27, 2003

Ref Number: CA03172

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0007	Vargas 33-0306 - cement patch	Grey Non-Fibrous Heterogeneous	Crushed	None Detected		5%	Cellulose	95%	Other
0008	Vargas 33-0306 - mortar	Grey Non-Fibrous Heterogeneous	Crushed	None Detected		5%	Cellulose	95%	Other
0009	Vargas 33-0306 - joint compound	White Fibrous Heterogeneous	Teased/Crushed	None Detected		50%	Synthetic	50%	Other
0010	Vargas 33-0306 - cement	Grey Non-Fibrous Heterogeneous	Crushed	None Detected		5%	Cellulose	95%	Other
0011	Mission 33-294 - cement - run off slope	Red Non-Fibrous Heterogeneous	Crushed	None Detected		5%	Cellulose	95%	Other
0012	Mission 33-294 - cement - patch from pillar	Grey Non-Fibrous Heterogeneous	Crushed	None Detected		5%	Cellulose	95%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

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Erik Rogers
Analyst

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Analysis performed by EMSL Milpitas (NVLAP Air and Bulk #101048-3, ELAP #1620)

EMSL Analytical, Inc.

382 South Abbott Avenue
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Attn.: Martha Adams
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1326 North Market Blvd.
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Monday, January 27, 2003

Ref Number: CA03172

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0013	Mission 33-294 - cement - pillar	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0014	Mission 33-294 - cement - loose chip	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0015	Mission 33-294 - cement - horz. run	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0016	Mission 33-294 - cement - drain canal	Red Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0017	Mission 33-294 - cement - water slope - North side	Red Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0018	Mission 33-294 - cement - retaining wall - North side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Note: 3RD COPY OF REPORT!

Erik Rogers
Analyst

Approved
Signatory

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Analysis performed by EMSL Milpitas (NVLAP Air and Bulk #101048-3, ELAP #1620)

Heterogeneous

EMSL Analytical, Inc.

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Phone: (408) 934-7010 Fax: (408) 934-7015

Attn.: Martha Adams
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1326 North Market Blvd.
Sacramento, CA 95834

Monday, January 27, 2003

Ref Number: CA03172

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0019	Mission 33-294 - expan. joint - North side	Grey/Brown Fibrous Heterogeneous	Teased/Crushed		None Detected	50%	Cellulose	50%	Other
0020	Warren - cement - North side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3% 5%	Cellulose Wollastonite	92%	Other
0021	Warren - cement compound - 300 sq. ft. good condition	Red Non-Fibrous Heterogeneous	Crushed		None Detected	5% 2%	Cellulose Wollastonite	93%	Other
0022	Warren - joint compound - W. side	Brown Fibrous Heterogeneous	Teased/Crushed		None Detected	50%	Cellulose	50%	Other
0023	Warren - cement - water slope - 4000 sq. ft. W. side	Red Non-Fibrous Heterogeneous	Crushed		None Detected	5% 2%	Cellulose Wollastonite	93%	Other
0024	Warren - mortar - w/stones - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5% 3%	Cellulose Wollastonite	92%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

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Analyst

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Ref Number: CA03172

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0025	Warren - cement - bridge support - S. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose 2% Wollastonite	93%	Other
0026	Warren - cement - E. side	Grey/Red Non-Fibrous Heterogeneous	Crushed		None Detected	2%	Cellulose 2% Wollastonite	96%	Other
0027	Warren - expan. joint - E. side	Brown Fibrous Heterogeneous	Teased/Crushed		None Detected	50%	Cellulose	50%	Other
0028	Warren - mortar - run off drain - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose 5% Glass	92%	Other
0029	Warren - cement - E. side	Red/Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0030	Warren - cement - bridge support - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	7%	Cellulose	93%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Note: 3RD COPY OF REPORT!

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Analyst

Approved
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382 South Abbott Avenue
Milpitas, CA 95035
Phone: (408) 934-7010 Fax: (408) 934-7015

Attn.: Martha Adams
Shaw E & I
1326 North Market Blvd.
Sacramento, CA 95834

Monday, January 27, 2003

Ref Number: CA03172

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0031	DWR-North - cement - 300 sq. ft. - W. side	Grey/Red Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0032	DWR-North - cement - facing - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0033	DWR-North - cement - horz. beam - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0034	DWR-North - joint compound - W. side	Brown Fibrous Heterogeneous	Teased/Crushed		None Detected	50%	Cellulose	50%	Other
0035	DWR-North - mortar - under support - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	8%	Cellulose	92%	Other
0036	DWR-North - cement - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3% 5%	Cellulose Wollastonite	92%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Note: 3RD COPY OF REPORT!

Erik Rogers
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. Detection limit for quantitative1000 point count technique is 0.1%. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results whenrequested to physically separate and analyze layered samples.

Analysis performed by EMSL Milpitas (NVLAP Air and Bulk #101048-3, ELAP #1620)

EMSL Analytical, Inc.

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Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0037	DWR-North - styrofoam - E. side	White/Tan Non-Fibrous Homogeneous	Crushed		None Detected	5%	Glass	95%	Other
0038	DWR-North - cement - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0039	DWR-South - cement - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0040	DWR-South - cement - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0041	DWR-South - cement - pillar- W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0042	DWR-South - joint compound - W. side	Brown Fibrous Heterogeneous	Crushed		None Detected	50%	Cellulose	50%	Other

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Ref Number: CA03172

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0043	DWR-South - surface compound - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0044	DWR-South - joint compound - W. side	Tan Fibrous Heterogeneous	Teased/Crushed		None Detected	50%	Cellulose	50%	Other
0045	DWR-South - cement - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0046	DWR-South 33-438 - cement - E. side	Red/Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0047	DWR-South 33-438 - cement - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0048	DWR-North - cement-E. side	Grey/Red Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other

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Ref Number: CA03172

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Performed by EPA 600/R-93/116 Method*

Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0049	DWR-North - cement-E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0050	DWR-North - joint compound - E. side	Brown Fibrous Heterogeneous	Teased/Crushed		None Detected	50%	Cellulose	50%	Other
0051	DWR-North - cement - under side - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0052	Jacklin 37-0303 - cement - drain slope - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0053	Jacklin 37-0303 - cement - drain slope - E. side	Grey/Red Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0054	Jacklin 37-0303 - cement - drain slope - W. side	Red/Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other

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Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0055	Jacklin 37-0303 - cement - drain slope - W. side	Grey/Red Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0056	Jacklin 37-303 - cement - E. side	Grey/Red Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0057	Jacklin 37-303 - cement - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0058	Jacklin 37-303 - cement - upper overpass - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0059	Jacklin 37-303 - cement - upper overpass - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0060	Jacklin 37-303 - cement - upper overpass - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	4%	Cellulose	96%	Other

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Project: 43A0078/CALTRANS

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0061	Jacklin 37-303 - cement - upper overpass - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0062	CAL-37-302 - cement - drain slope - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0063	CAL-37-302 - cement - drain - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	95%	Other
0064	CAL-37-302 - cement - upper op - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Cellulose	97%	Other
0065	CAL-37-302 - cement - upper op - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	2% 3%	Cellulose Wollastonite	95%	Other
0066	CAL-37-302 - cement - upper drain - W. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	2% 3%	Cellulose Wollastonite	95%	Other

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Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
0067	CAL-37-302 - cement - drain slope - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Wollastonite 2% Cellulose	95%	Other
0068	CAL-37-302 - cement - drain - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	3%	Wollastonite 2% Cellulose	95%	Other
0069	CAL-37-302 - cement - upper op - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose 2% Wollastonite	93%	Other
0070	CAL-37-302 - cement - upper op - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose 3% Wollastonite	92%	Other
0071	CAL-37-302 - cement - upper drain - E. side	Grey Non-Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose 3% Wollastonite	92%	Other

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Analysis performed by EMSL Milpitas (NVLAP Air and Bulk #101048-3, ELAP #1620)

CHAIN OF CUSTODY & SAMPLE SUBMITTAL FORM

PAGE 1 OF _____

JOBSITE: CALTRANS SUNOL

Job #: 841855

LAB LOGIN:

Collected By: Rudy Vonburg

Collection Date: 1/15/03

PE OF ANALYSIS: PLM X LEAD____ TEM Yamate II ____ TEM AHERA ____ OTHER_____ TAT_____

amples Received: 71 ~~60~~ # Samples Analyzed: _____ Analyze to First Positive: YES____ NO____

port Results To: MARTHA ADAMS PHONE #: (916) 565-4183 FAX #: (916) 565-4356
1326 N. MARKET BLVD
EMAIL:

ports Also To: SACRAMENTO, CA. 95834 PHONE #: _____ FAX #: _____
EMAIL:

Notes & Comments:

LOGIN # (lab use only)	FIELD #	LOCATION (bldg, rm #, area)	COLOR	MATERIAL or SUBSTRATE (ft w/size, mastic, tjc, etc.)	Notes: like condition, damage, quantity, inside what, underneath what, direction in building (NSEW), etc.
	0001	VARGAS 33-0306		CEMENT	North side
	0002	" "		"	South side
	0003	" "		GASKET COMPOUND	
	0004	" "		CEMENT	
	0005	" "		"	
	0006	" "		GROUT	
	0007	" "		CEMENT PATCH	
	0008	" "		MORTOR	
	0009	" "		JOINT COMPOUND	
	0010	" "		CEMENT	OVER BOLTED FITTINGS

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Rob Wright	1/16/03	10:15 AM	[illegible]	1/16	10:15

Chain of Custody Page 2 of _____ KSI Job #: _____ Lab Login: _____

LOGIN # (lab use only)	FIELD #	LOCATION (bldg, rm #, area)	COLOR	MATERIAL or SUBSTRATE (ft w/size, mastic, tjc, etc.)	Notes: like condition, damage, quantity, inside what, underneath what direction in building (NSEW), etc.
	0011	mission 33-294	Red	CEMENT	Run off Slope
	0012	mission 33-294		CEMENT	Patch from Pillar
	0013	mission 33-294		CEMENT	Pillar
	0014	mission 33-294		CEMENT	Loose Chip
	0015	mission 33-294		CEMENT	Horz. Run
	0016	mission 33-294	Red	CEMENT	Drain Canal
	0017	mission 33-294	Red	CEMENT	Water Slope - North side
	0018	mission 33-294		CEMENT	Retaining Wall - North side
	0019	mission 33-294	Black	Expan. Joint	North side
	0020	Warren		CEMENT	West side
	0021	Warren	Red	CEMENT Compound	300 Sq. Ft. Good Condition
	0022	Warren	Grayish	Joint Compound	West side
	0023	Warren	Red	CEMENT	Water Slope - 4,000 Sq. Ft. West side
	0024	Warren		MORTOR	w/ Stones - West side
	0025	Warren		CEMENT	Bridge Support - South side
	0026	Warren	Red	CEMENT	East side
	0027	Warren	Black	Expan. Joint	East - side
	0028	Warren		MORTOR	Run off drain - East side
	0029	Warren	Red	CEMENT	East side
	0030	Warren		CEMENT	Bridge Support - East side

Document1

RELEASED BY	DATE	TIME		RECEIVED BY	DATE	TIME
Rob Wright	1/16/03	10:15AM		[illegible]	1/16	10:19

ain ust Pag 5 of K od Log in

LOGIN # (lab use only)	FIELD #	LOCATION (bldg, rm #, area)	COLOR	MATERIAL or SUBSTRATE (ft w/size, mastic, tjc, etc.)	Notes: like condition, damage, quantity, inside what, underneath what direction in building (NSEW), etc.
	0031	GWR-North	Red	CEMENT	300 SQ. FT. - WEST side
	0032	GWR- North		CEMENT	FACING - WEST side
	0033	GWR- North		CEMENT	HORZ. BEAM - WEST side
	0034	GWR- North	BLACK	JOINT COMPOUND	WEST side
	0035	GWR- North		MORTOR	UNDER SUPPORT - WEST Side
	0036	GWR- North		CEMENT	EAST side
	0037	GWR- North	TAN/WHITE	STYROFOAM	EAST side
	0038	GWR- North		CEMENT	EAST side
	0039	GWR- South	BEIGE	CEMENT	WEST side
	0040	GWR - South		CEMENT	WEST side
	0041	GWR- South		CEMENT	PILLAR - WEST side
	0042	GWR- South	BLACK	JOINT COMPOUND	WEST side
	0043	GWR- South		SURFACE COMPOUND	WEST side
	0044	GWR - South	GRAYISH	JOINT COMPOUND	WEST side
	0045	GWR- South		CEMENT	WEST side
	0046	GWR- South 33-438	RED	CEMENT	EAST side
	0047	GWR- South 33-438		CEMENT	EAST side
	0048	GWR- North	RED	CEMENT	EAST side
	0049	GWR- North		CEMENT	BRIDGE SUPPORT - EAST SIDE
	0050	GWR- North	BLACK	JOINT COMPOUND	EAST side

Document1

RELEASED BY	DATE	TIME		RECEIVED BY	DATE	TIME
Rob Weight	~~10/15~~ 10/16/03	10:15AM		[illegible]	11/6	10:15

Chain of Custody Page 4 of _____ KSI Job #: _____ Lab Login: _____

LOGIN # (lab use only)	FIELD #	LOCATION (bldg, rm #, area)	COLOR	MATERIAL or SUBSTRATE (ft w/size, mastic, tjc, etc.)	Notes: like condition, damage, quantity, inside what, underneath what direction in building (NSEW), etc.
	0051	GWR- North		CEMENT	UNDERSIDE- EAST SIDE
	0052	JACKLIN 37-0303		CEMENT	DRAIN SLOPE- EAST SIDE
	0053	JACKLIN-37-0303	BEIGE	CEMENT	DRAIN SLOPE-EAST SIDE
	0054	JACKLIN-37-303	BEIGE	CEMENT	DRAIN SLOPE- WEST SIDE
	0055	JACKLIN-37-303		CEMENT	DRAIN SLOPE- WEST SIDE
	0056	JACKLIN-37-303	BEIGE	CEMENT	EAST SIDE
	0057	JACKLIN-37-303		CEMENT	EAST SIDE
	0058	JACKLIN-37-303	BEIGE	CEMENT	UPPER OVERPASS -EAST SIDE
	0059	JACKLIN-37-303		CEMENT	UPPER OVERPASS - EAST SIDE
	0060	JACKLIN-37-303		CEMENT	UPPER OVERPASS- WEST SIDE
	0061	JACKLIN-37-303	BEIGE	CEMENT	UPPER OVERPASS- WEST SIDE
	0062	CAL -37-302	BEIGE	CEMENT	DRAIN SLOPE- WEST SIDE
	0063	CAL-37-302		CEMENT	DRAIN WEST SIDE
	0064	CAL-37-302	BEIGE	CEMENT	UPPER OP WEST SIDE
	0065	CAL-37-302		CEMENT	UPPER OP WEST SIDE
	0066	CAL-37-302		CEMENT	UPPER DRAIN WEST SIDE
	0067	CAL-37-302		CEMENT	DRAIN SLOPE - EAST SIDE
	0068	CAL-37-302	BEIGE	CEMENT	DRAIN - EAST SIDE
	0069	CAL-37-302	BEIGE	CEMENT	UPPER OP - EAST SIDE
	0070	CAL-37-302		CEMENT	UPPER OP- EAST SIDE

Document1

RELEASED BY	DATE	TIME		RECEIVED BY	DATE	TIME
Rob Wenger	1/16/03	1015 AM		[illegible]	1/16	10:15

Chain of Custody Page 5 of 5 Kod # _____ Lab Login _____

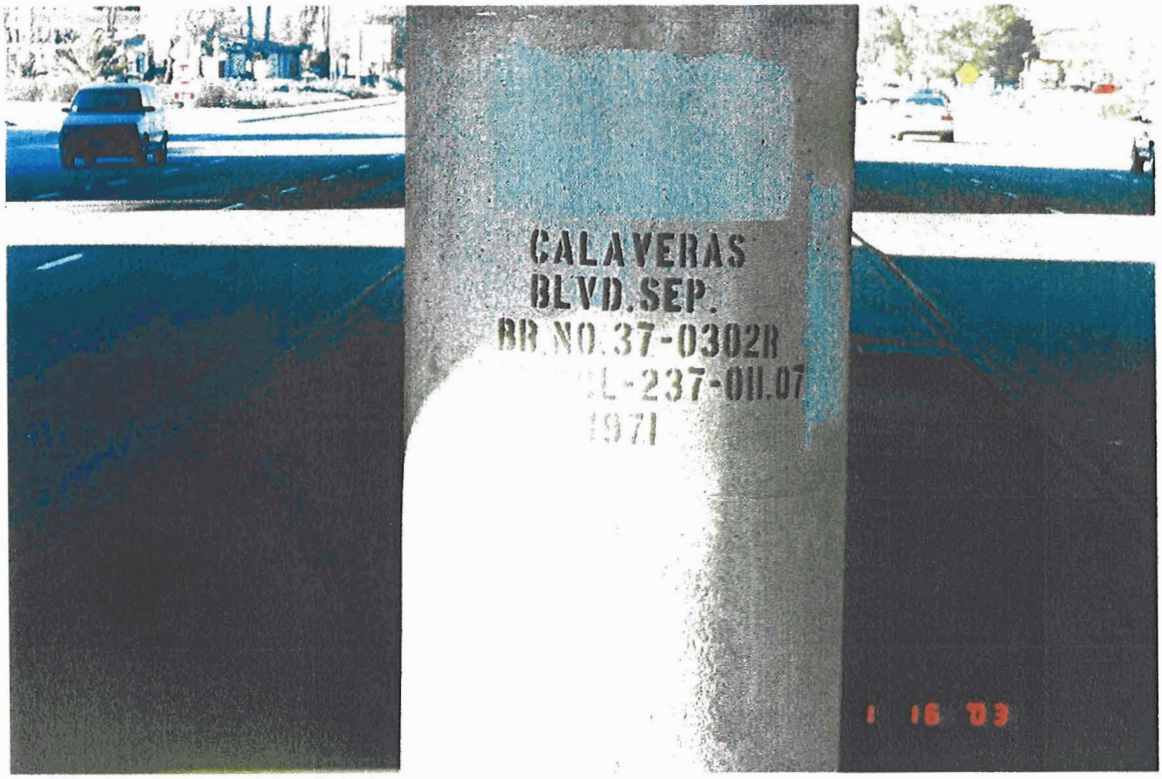
LOGIN # (lab use only)	FIELD #	LOCATION (bldg, rm #, area)	COLOR	MATERIAL or SUBSTRATE (ft w/size, mastic, tjc, etc.)	Notes: like condition, damage, quantity, inside what, underneath what direction in building (NSEW), etc.
	0071	CAL 37-302		CEMENT	UPPER DRAIN - WEST SIDE

Rob Wright

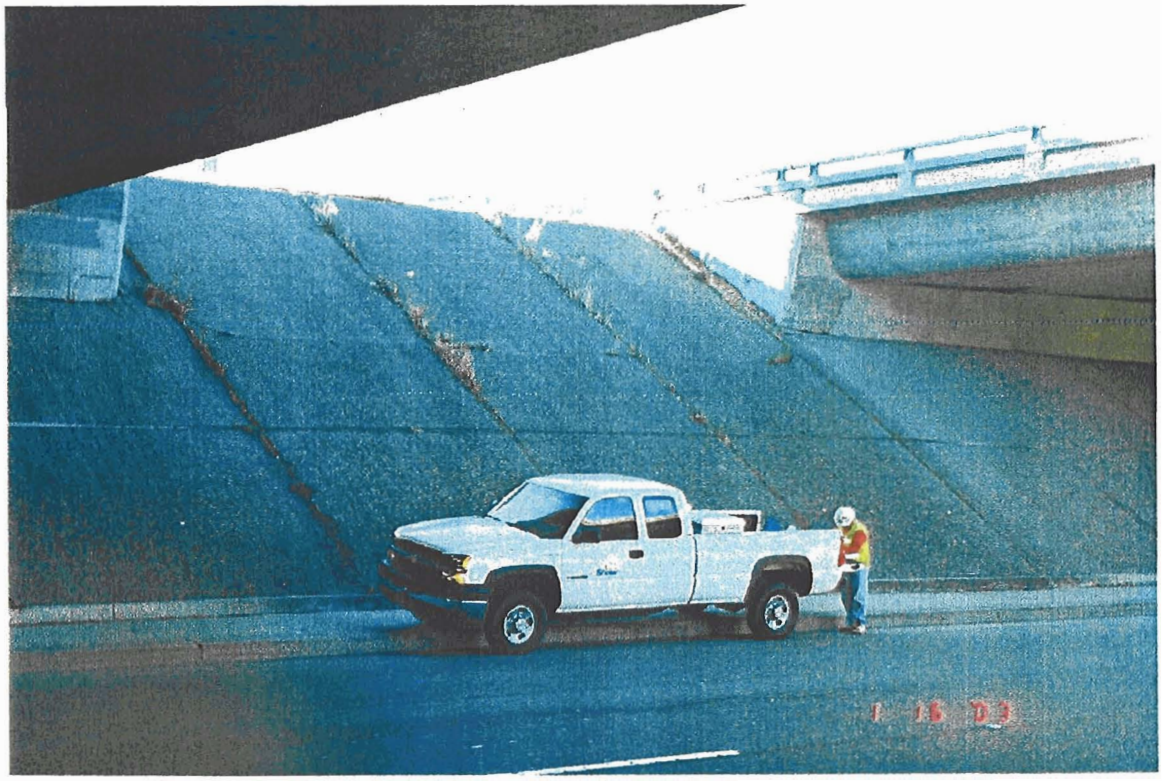
Document1

RELEASED BY	DATE	TIME		RECEIVED BY	DATE	TIME
Rob Wright	1/16/03	10:15AM		[illegible]	1/16	10:15

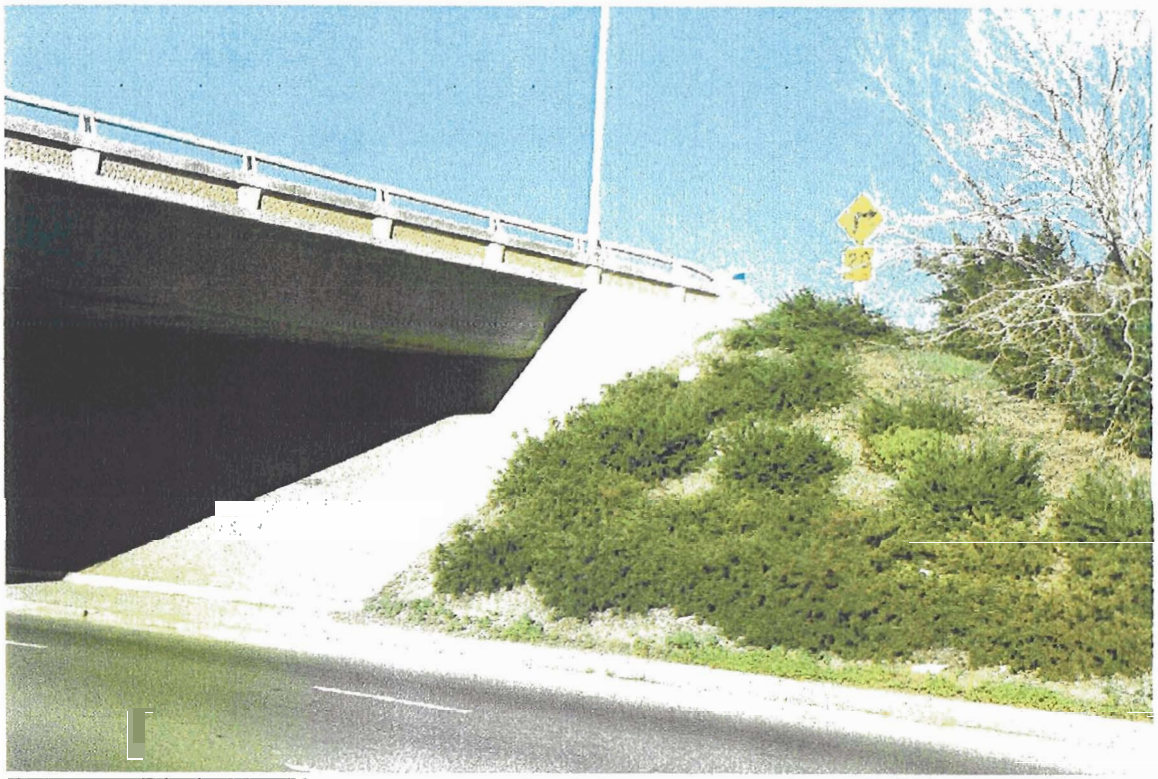
Appendix E
Asbestos Survey Sampling Location Photographs



Calaveras Blvd. Bridge Markings

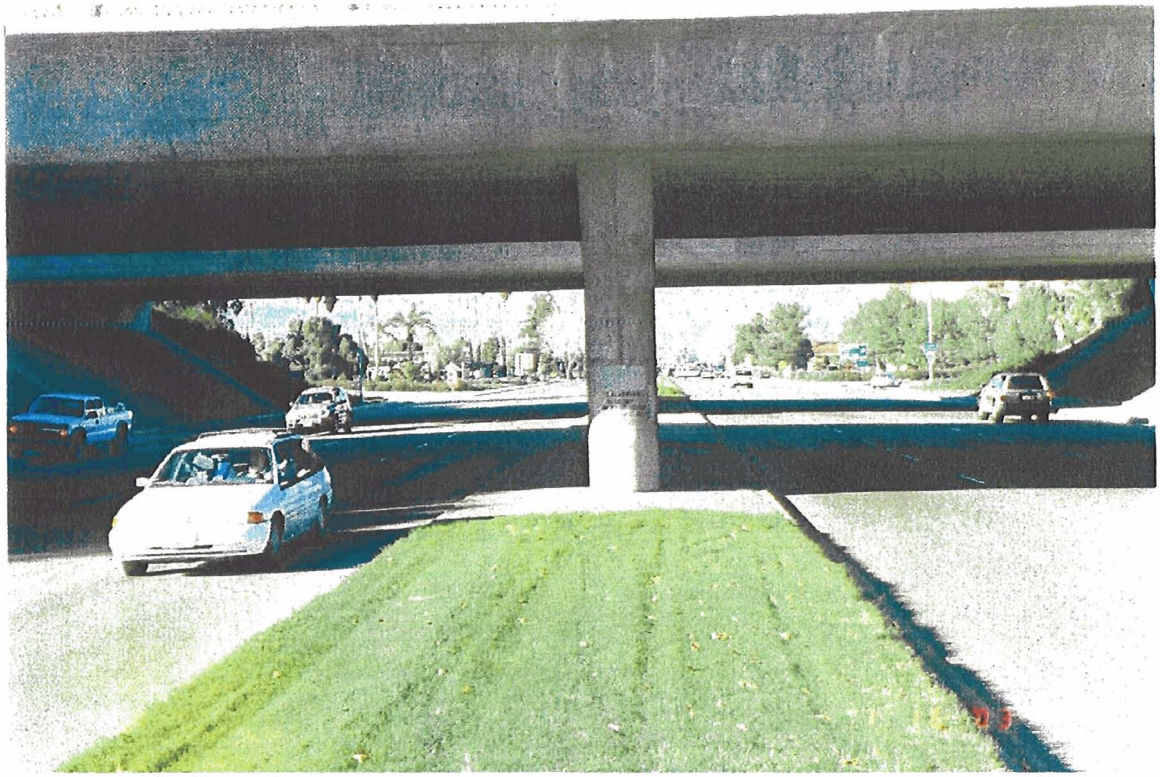


Calaveras Blvd. Showing two bridges and anti-erosion water runoff area.

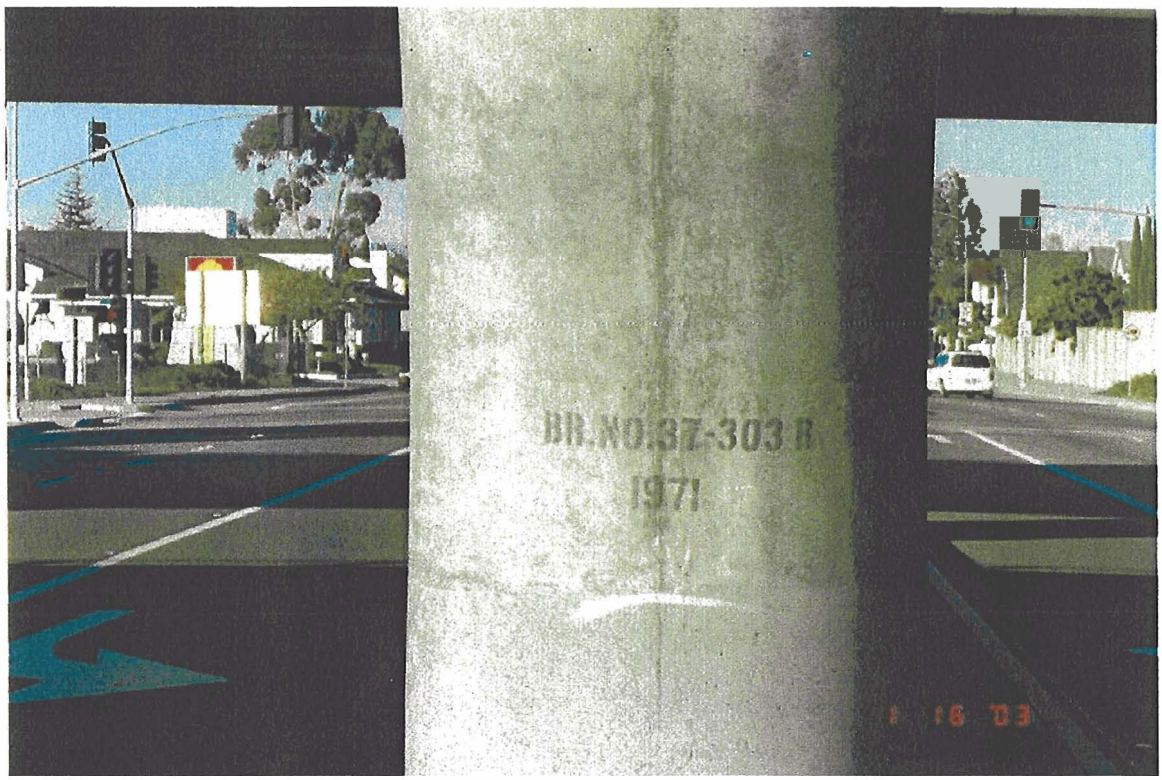


Calaveras Blvd. Northbound side, showing bridge anchor point and different cement treatments of the point.

Calaveras Blvd. Southbound side, showing north anchor point and different cement treatments including stucco (red) work.



Calaveras Blvd. Underpass area showing single pillar support.



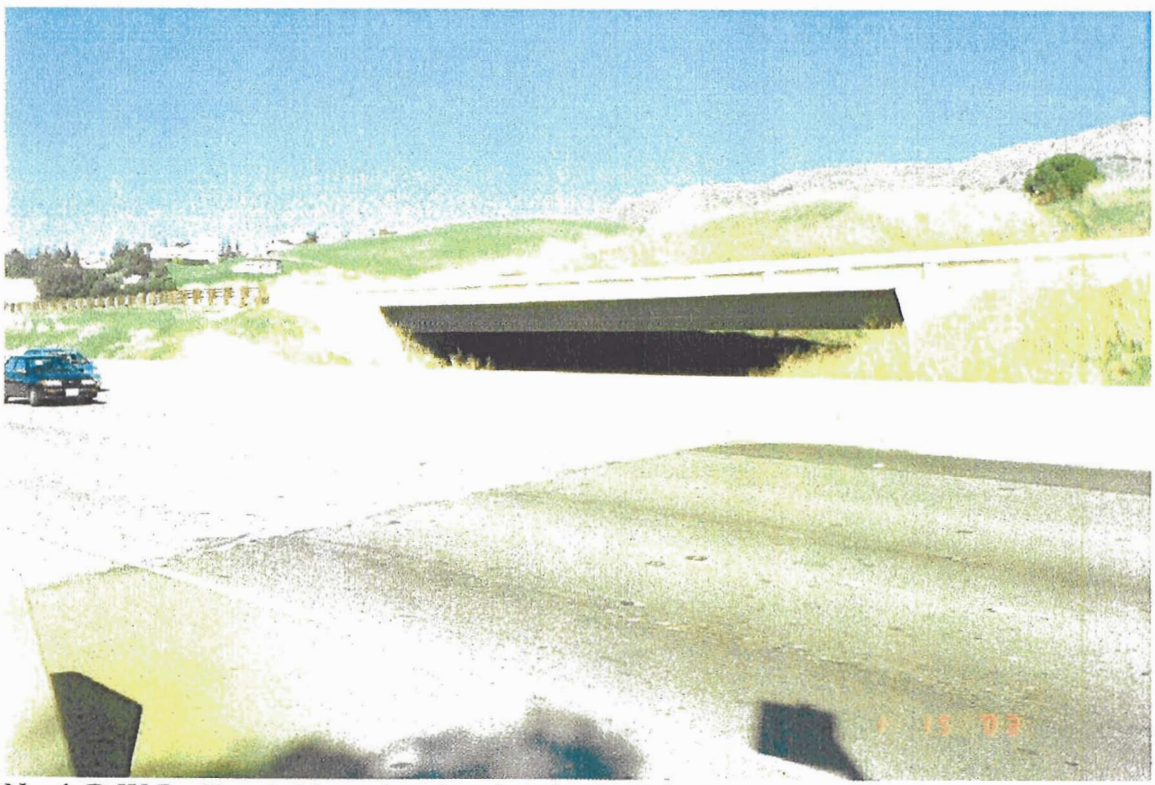
Jacklin Rd. Bridge Markings

Jacklin Rd. Bridge structure and single pillar support in underpass area.

South D.W.R. BR#33-0438L. Showing stucco treatment, expansion joint crevasse and Styrofoam cushion (1.5 inch).

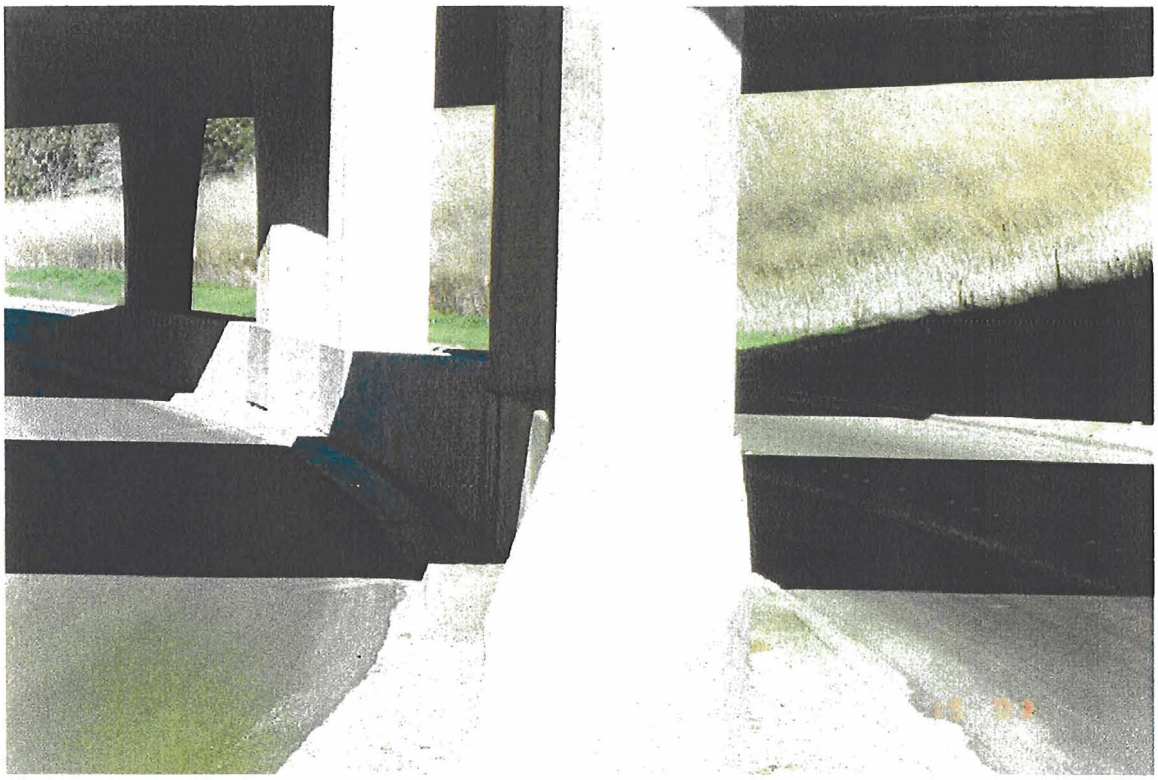
South D.W.R. BR#33-0438L. Showing limited anti-erosion cement work.

North D.W.R. BR#33-0439L. Showing two bridges; north and south bound. Also shows typical cement work and stucco treatment.

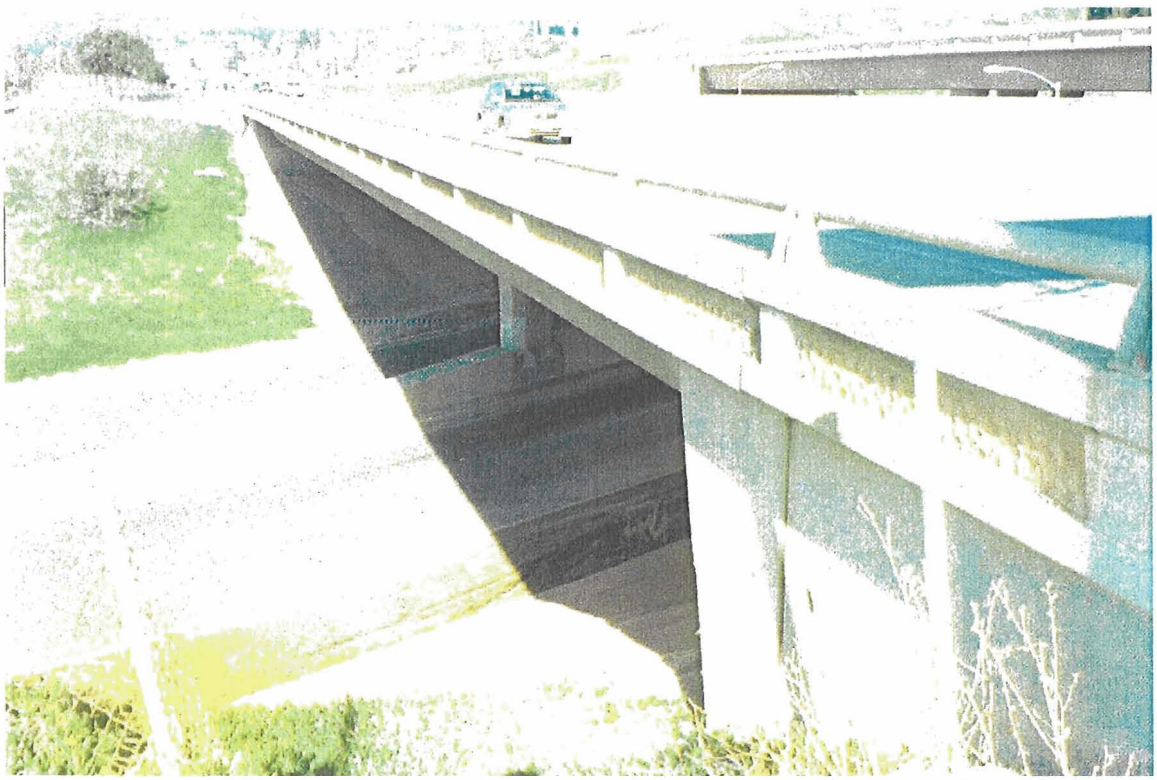


North D.W.R. Two bridges showing that the north and southbound lanes are of similar construction.

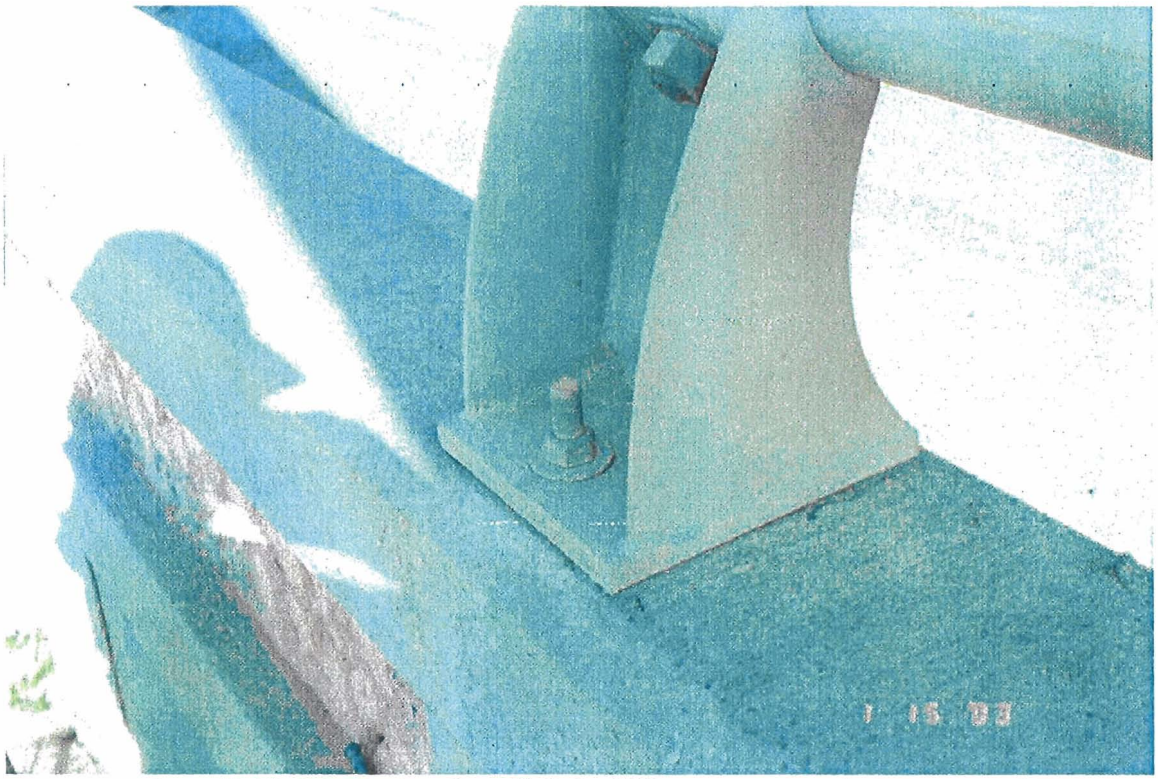
North D.W.R. Typical stucco and cement.



E. Warren Dr. Underpass. Showing bridge marking and pillar supports in underpass area.



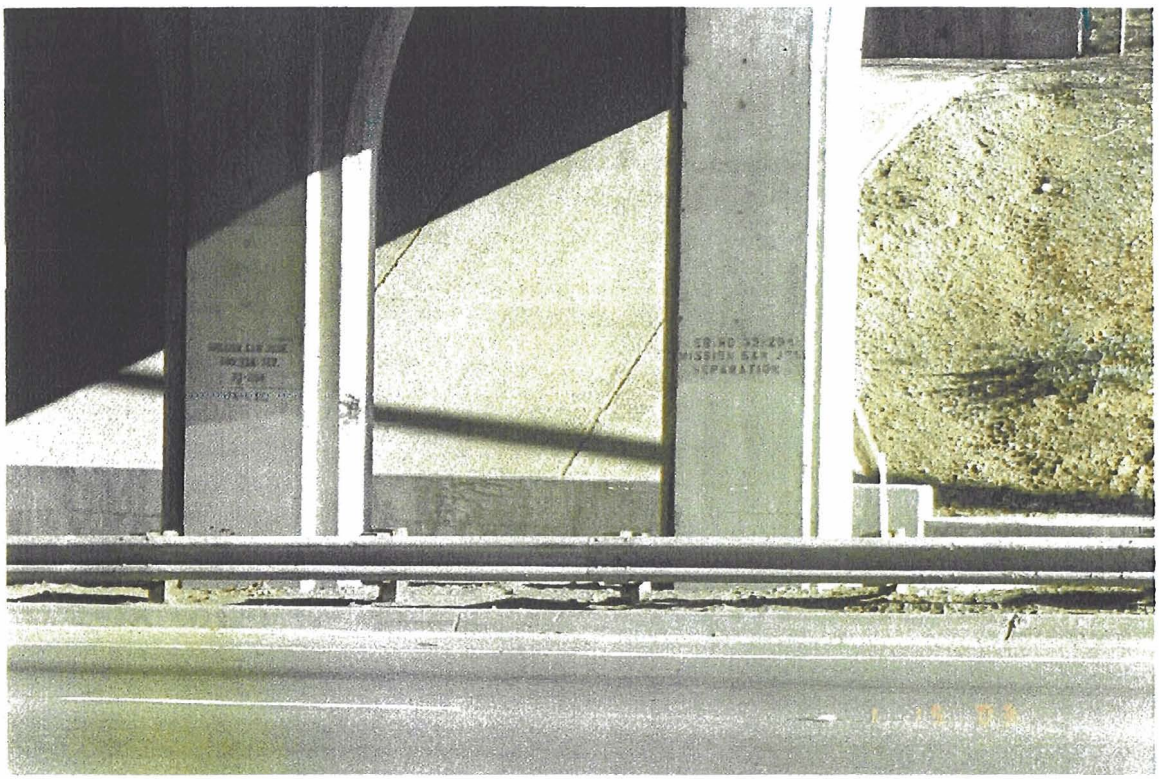
E. Warren Ave. 2 bridges showing bridge construction and steel horizontal rail.



E. Warren Ave. Bridge bolts showing slightly different construction than seen in other bridges.

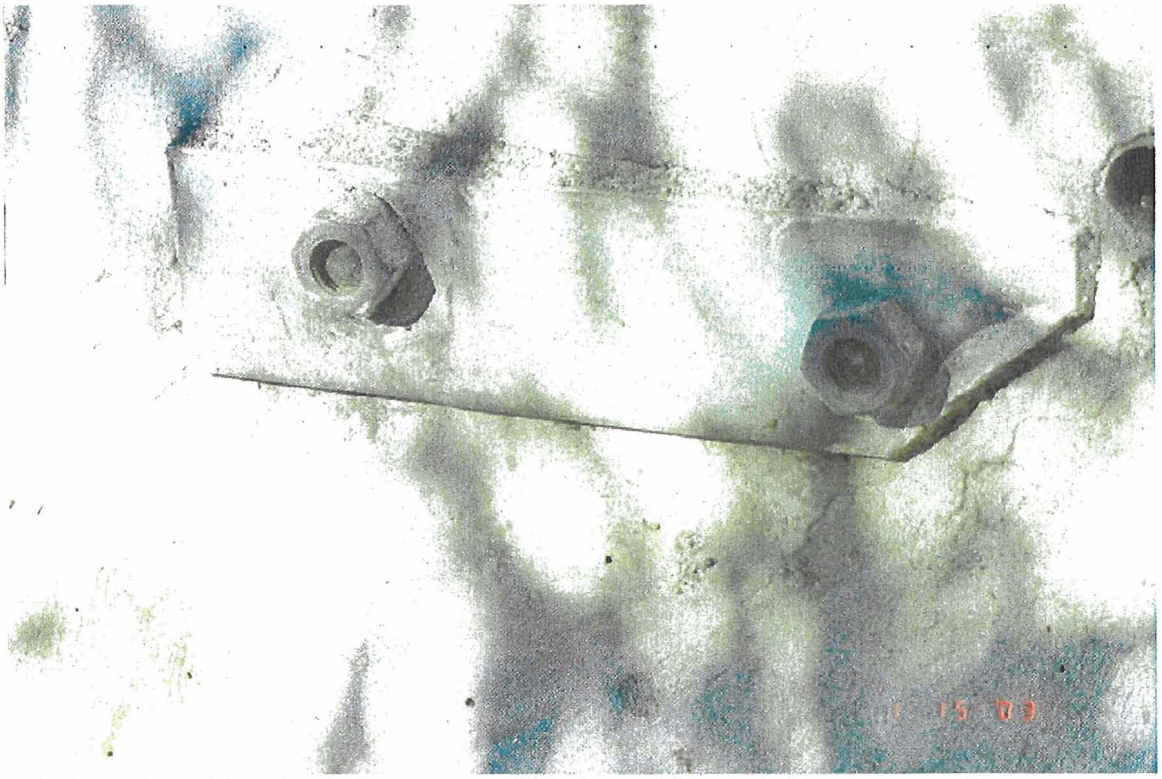
E. Warren Ave. Water runoff trough.

E. Warren Ave. Typical stucco work. Not the same, but similar to that seen on other bridges.



Mission Blvd. Showing bridge marking, pillar support, retaining wall on side, and anti-erosion cement surfacing.

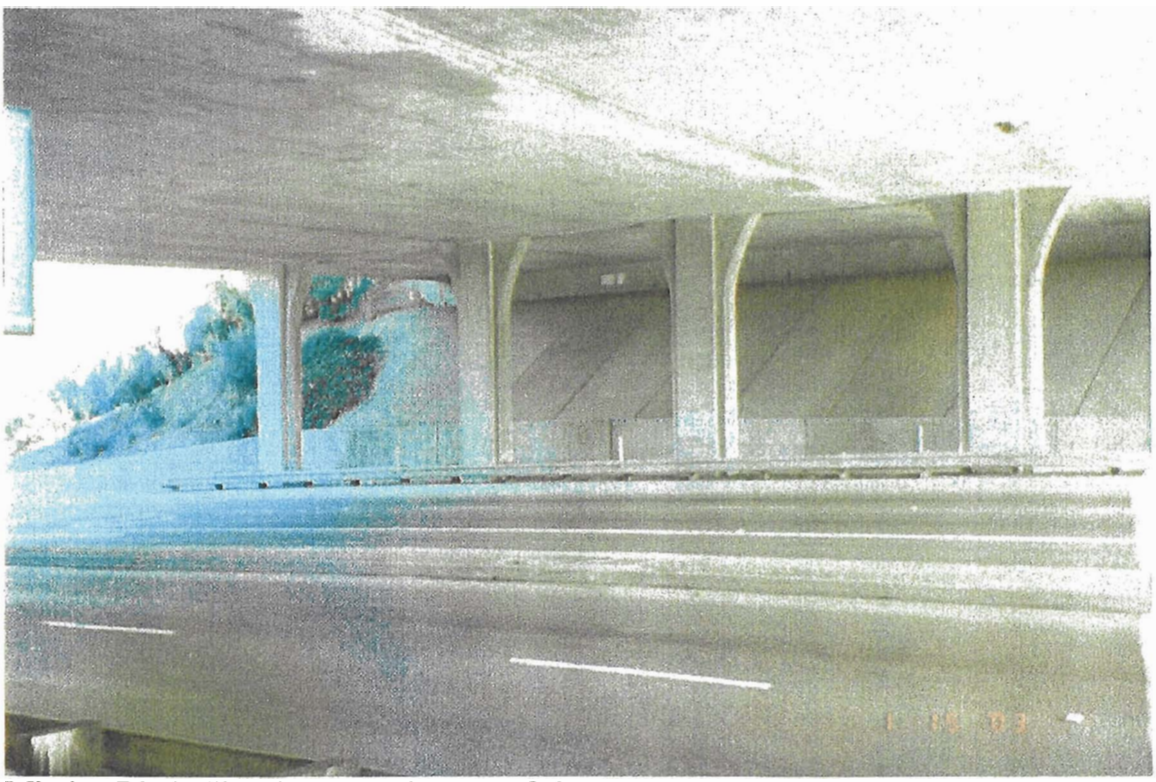
Mission Blvd. Runoff canal at side of bridge anchor point.



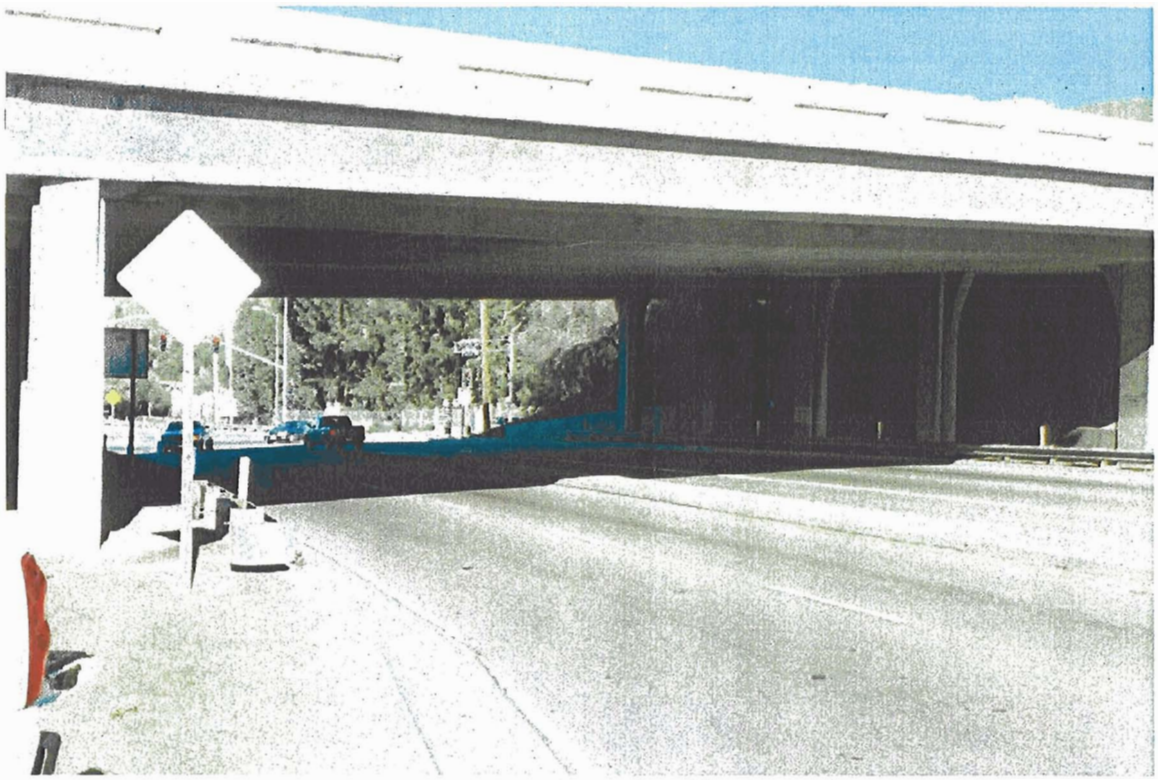
Mission Blvd. Showing bolt structure. Washer evident in bridge construction.

Mission Blvd. Patchwork (not sampled).

Mission Blvd. Slope support cement surfacing treatment.



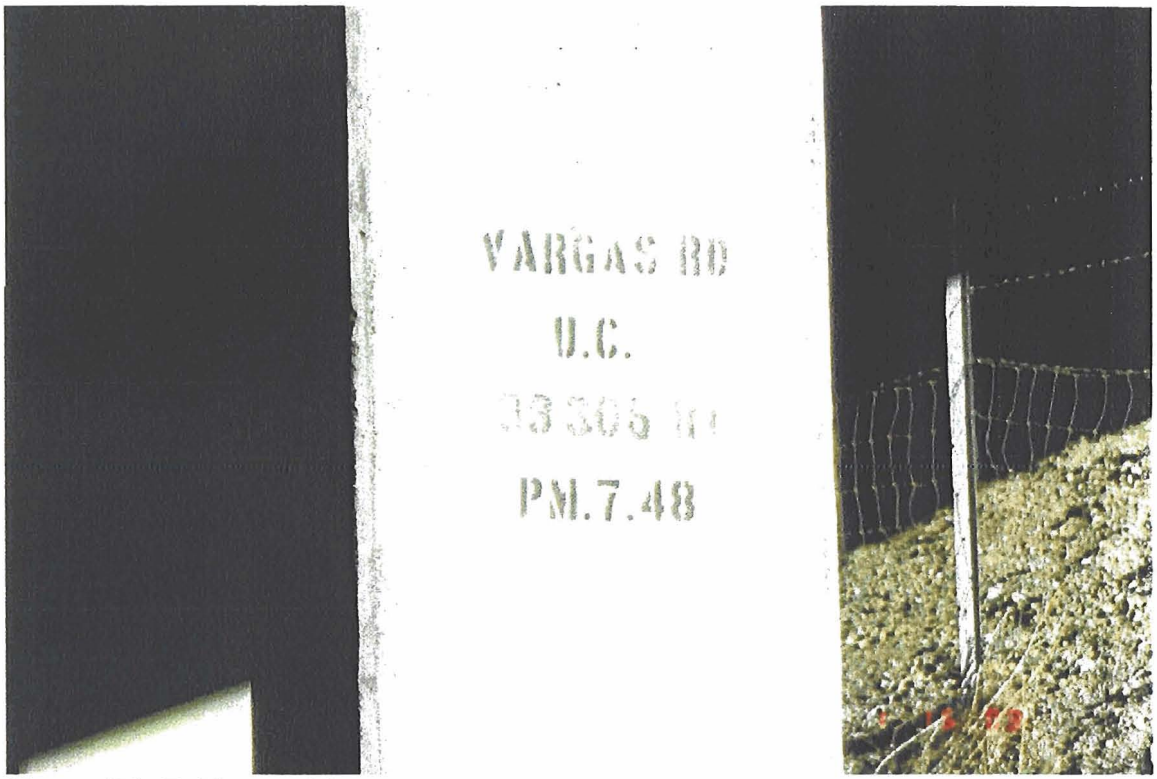
Mission Blvd. Showing extensiveness of slope support treatment.



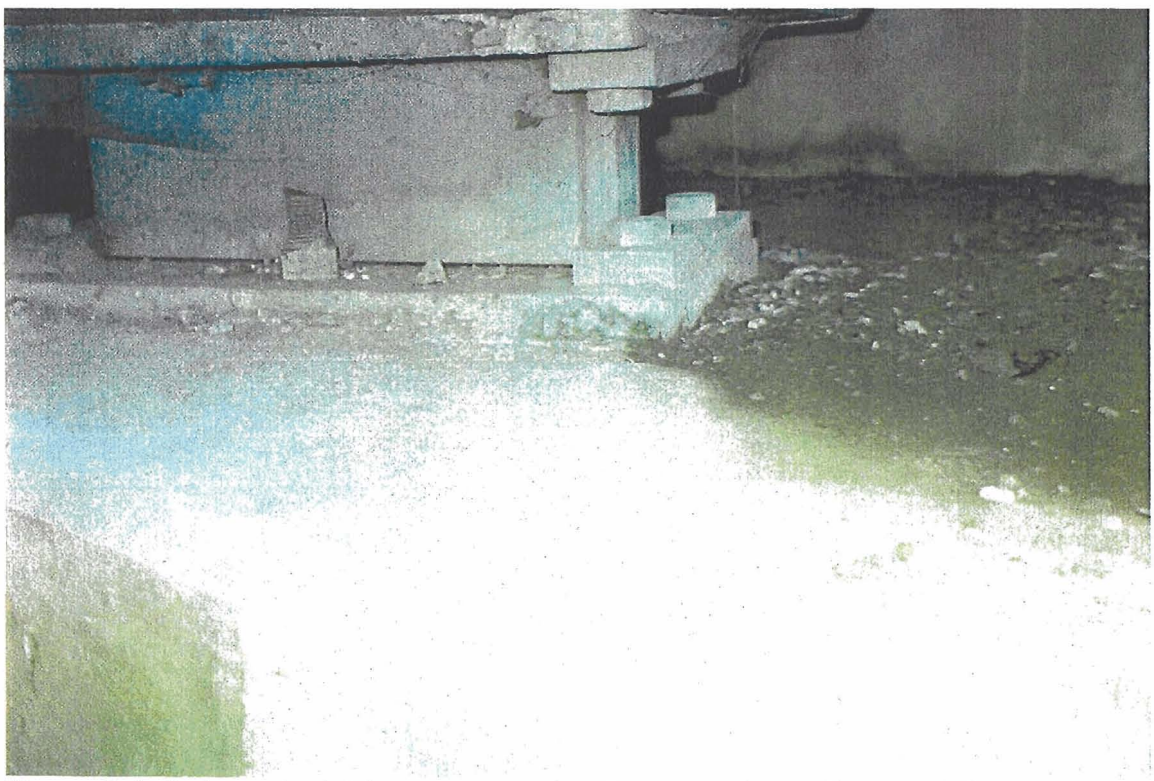
Mission Blvd. Showing underpass area and overhead horizontal cement work.

Mission Blvd. Cement sample on horizontal support. Typical cement sample taken from a horizontal support at an anchor point.

Mission Blvd. Loose cement debris.

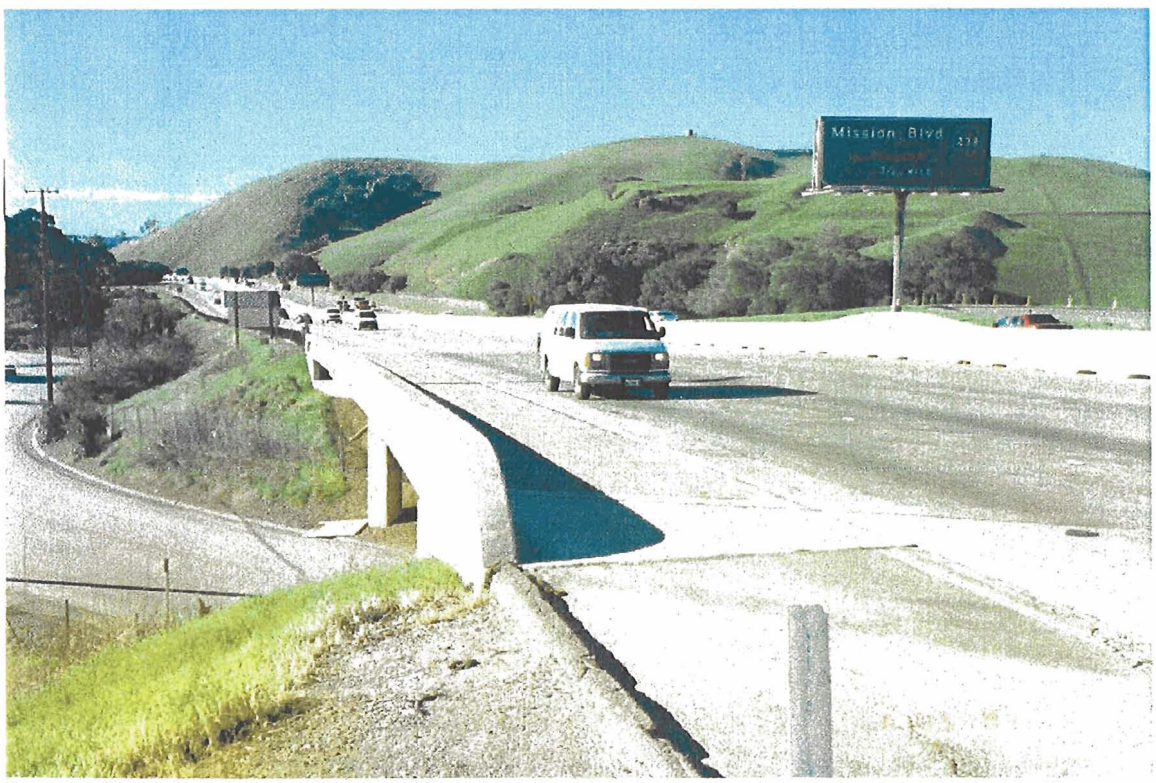


Vargas Rd. Bridge markings.



Vargas Rd. Bolts under bridge, may contain asbestos gaskets. Not sampled.

Vargas Rd. Joint compound. Looks like Styrofoam.



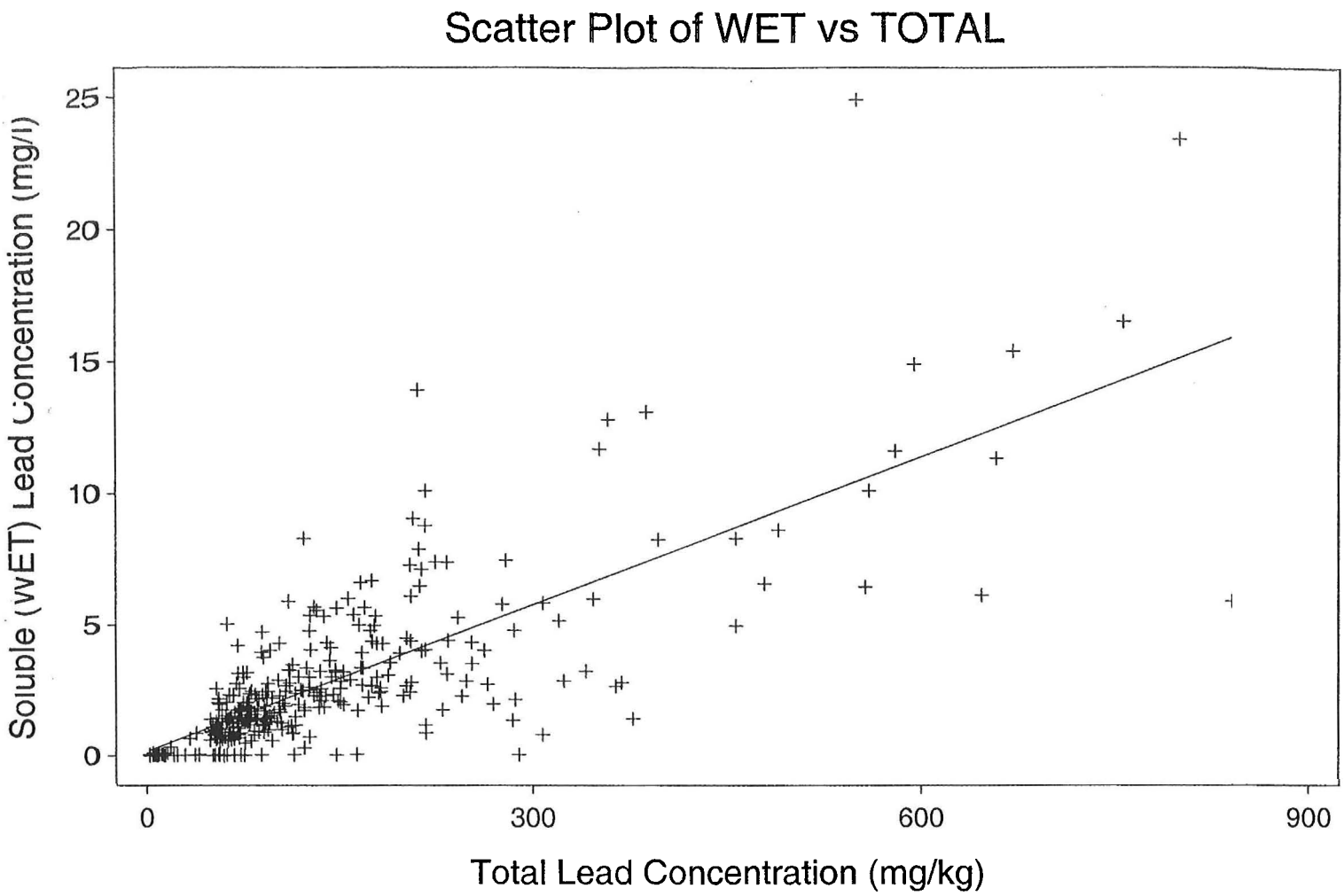
Vargas Rd. Southbound lane. Showing simpler anchor point construction than other bridges.

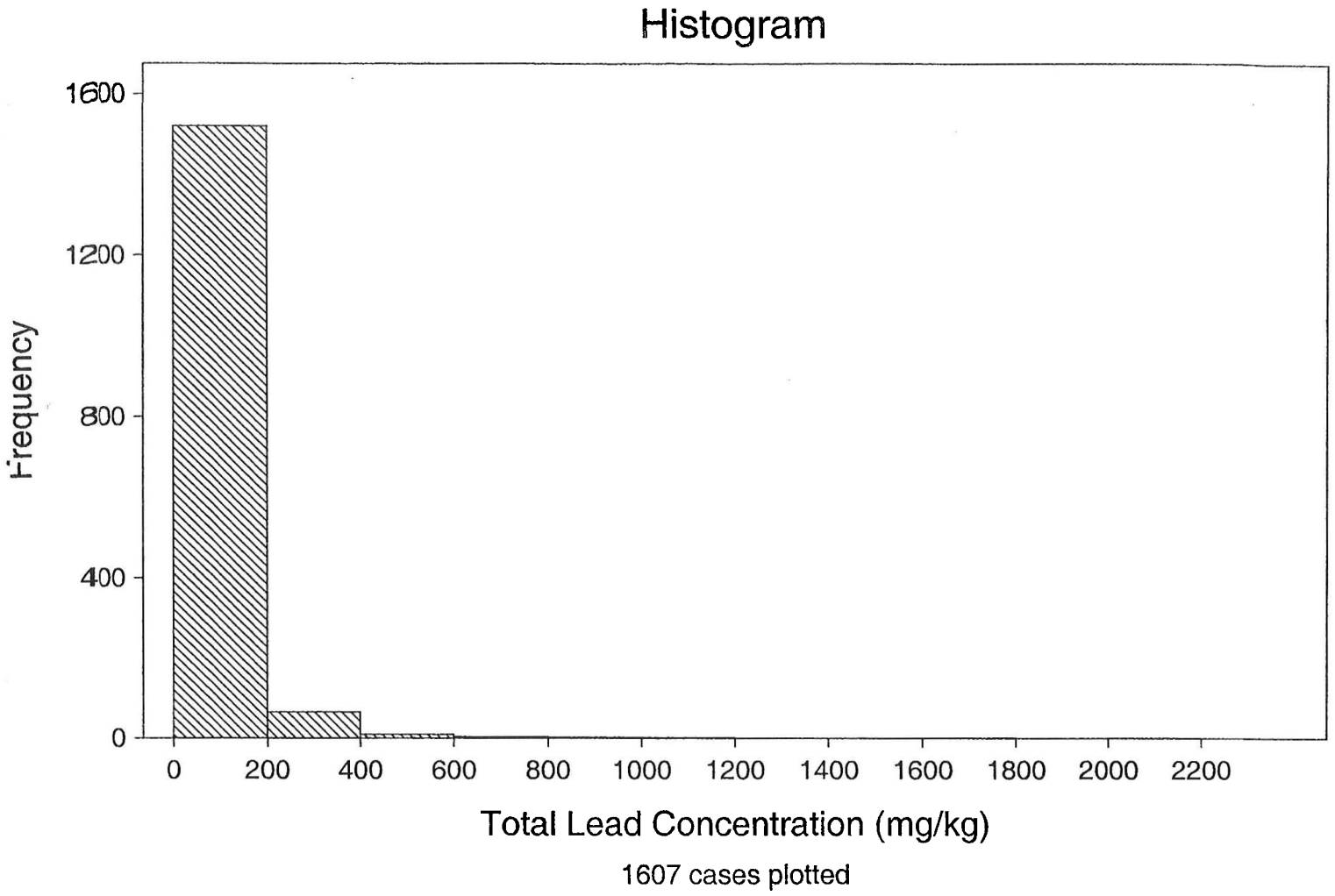
Vargas Rd. Underpass from the south. Showing double pillar support.

Appendix F
Statistical Analysis Spreadsheets

Bootstrap
90% Upper Confidence Limits
2,000 Iterations

Total population	58.3 mg/kg
Beneath Pavement Surface	12.2 mg/kg
Edge of Pavement	87.0 mg/kg
1.5 Meters from Pavement	60.9 mg/kg
3.0 Meters from Pavement	54.4 mg/kg
4.5 Meters from Pavement	56.8 mg/kg
6.0 Meters from Pavement	48.1 mg/kg


Scatter Plot of WET vs TOTAL
Soluble (WET) Lead Concentration (mg/l)
25
20
15
10
5
0
0
300
600
900
Total Lead Concentration (mg/kg)


Histogram
Frequency
1600
1200
800
400
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
Total Lead Concentration (mg/kg)
1607 cases plotted

TATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:11:08 PM

DESCRIPTIVE STATISTICS

ARIABLE	N	MEAN	SD	MINIMUM	MAXIMUM
OTAL	1607	54.622	123.85	0.5000	2110.0
WET	336	2.7991	3.1678	0.0250	24.900
DIWET	62	1.4409	2.1708	5.000E-03	13.800
CLP	8	1.8091	0.7582	0.7230	3.0300
I	129	8.1156	0.8452	5.5000	11.900

TATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:12:04 PM

CORRELATIONS (PEARSON)

	TOTAL
WET	0.7636

ASES INCLUDED 336 MISSING CASES 1276

STATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:13:12 PM

NWEIGHTED LEAST SQUARES LINEAR REGRESSION OF WET

PREDICTOR ARIABLES	COEFFICIENT	STD ERROR	STUDENT'S T	P
CONSTANT	0.16882	0.16523	1.02	0.3076
TOTAL	0.01867	8.639E-04	21.61	0.0000

-SQUARED	0.5831	RESID. MEAN SQUARE (MSE)	4.19627
ADJUSTED R-SQUARED	0.5818	STANDARD DEVIATION	2.04848

OURCE	DF	SS	MS	F	P
REGRESSION	1	1960.11	1960.11	467.11	0.0000
RESIDUAL	334	1401.55	4.19627		
OTAL	335	3361.66			

CASES INCLUDED 336 MISSING CASES 1276

TATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:15:08 PM

REDICTED/FITTED VALUES OF WET

LOWER PREDICTED BOUND	-2.1285	LOWER FITTED BOUND	1.0387
PREDICTED VALUE	1.2574	FITTED VALUE	1.2574
PPER PREDICTED BOUND	4.6433	UPPER FITTED BOUND	1.4761
E (PREDICTED VALUE)	2.0528	SE (FITTED VALUE)	0.1326

UNUSUALNESS (LEVERAGE)	0.0042
ERCENT COVERAGE	90.0
ORRESPONDING T	1.65

PREDICTOR VALUES: TOTAL = 58.300

STATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:15:32 PM

ORRELATIONS (PEARSON)

	TOTAL
DIWET	0.2073

CASES INCLUDED 62 MISSING CASES 1550

ATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:15:51 PM

NWEIGHTED LEAST SQUARES LINEAR REGRESSION OF DIWET

PREDICTOR VARIABLES	COEFFICIENT	STD ERROR	STUDENT'S T	P
ONSTANT	0.73676	0.50792	1.45	0.1521
TOTAL	0.00240	0.00146	1.64	0.1059

-SQUARED	0.0430	RESID. MEAN SQUARE (MSE)	4.58486
OJUSTED R-SQUARED	0.0270	STANDARD DEVIATION	2.14123

SOURCE	DF	SS	MS	F	P
EGRESSION	1	12.3523	12.3523	2.69	0.1059
RESIDUAL	60	275.092	4.58486		
OTAL	61	287.444			

CASES INCLUDED 62 MISSING CASES 1550

TATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:17:02 PM

PREDICTED/FITTED VALUES OF DIWET

OWER PREDICTED BOUND	-2.7745	LOWER FITTED BOUND	0.1448
PREDICTED VALUE	0.8769	FITTED VALUE	0.8769
UPPER PREDICTED BOUND	4.5283	UPPER FITTED BOUND	1.6090
E (PREDICTED VALUE)	2.1856	SE (FITTED VALUE)	0.4382

UNUSUALNESS (LEVERAGE)	0.0419
PERCENT COVERAGE	90.0
ORRESPONDING T	1.67

PREDICTOR VALUES: TOTAL = 58.300

TATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:17:18 PM

CORRELATIONS (PEARSON)

	TOTAL
TCLP	-0.0126

ASES INCLUDED 8 MISSING CASES 1604

TATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:17:36 PM

UNWEIGHTED LEAST SQUARES LINEAR REGRESSION OF TCLP

REDICTOR ARIABLES	COEFFICIENT	STD ERROR	STUDENT'S T	P
CONSTANT	1.83162	0.78309	2.34	0.0579
OTAL	-1.798E-05	5.814E-04	-0.03	0.9763

R-SQUARED	0.0002	RESID. MEAN SQUARE (MSE)	0.67055
ADJUSTED R-SQUARED	-0.1665	STANDARD DEVIATION	0.81887

OURCE	DF	SS	MS	F	P
EGRESSION	1	6.412E-04	6.412E-04	0.00	0.9763
ESIDUAL	6	4.02332	0.67055		
OTAL	7	4.02396			

CASES INCLUDED 8 MISSING CASES 1604

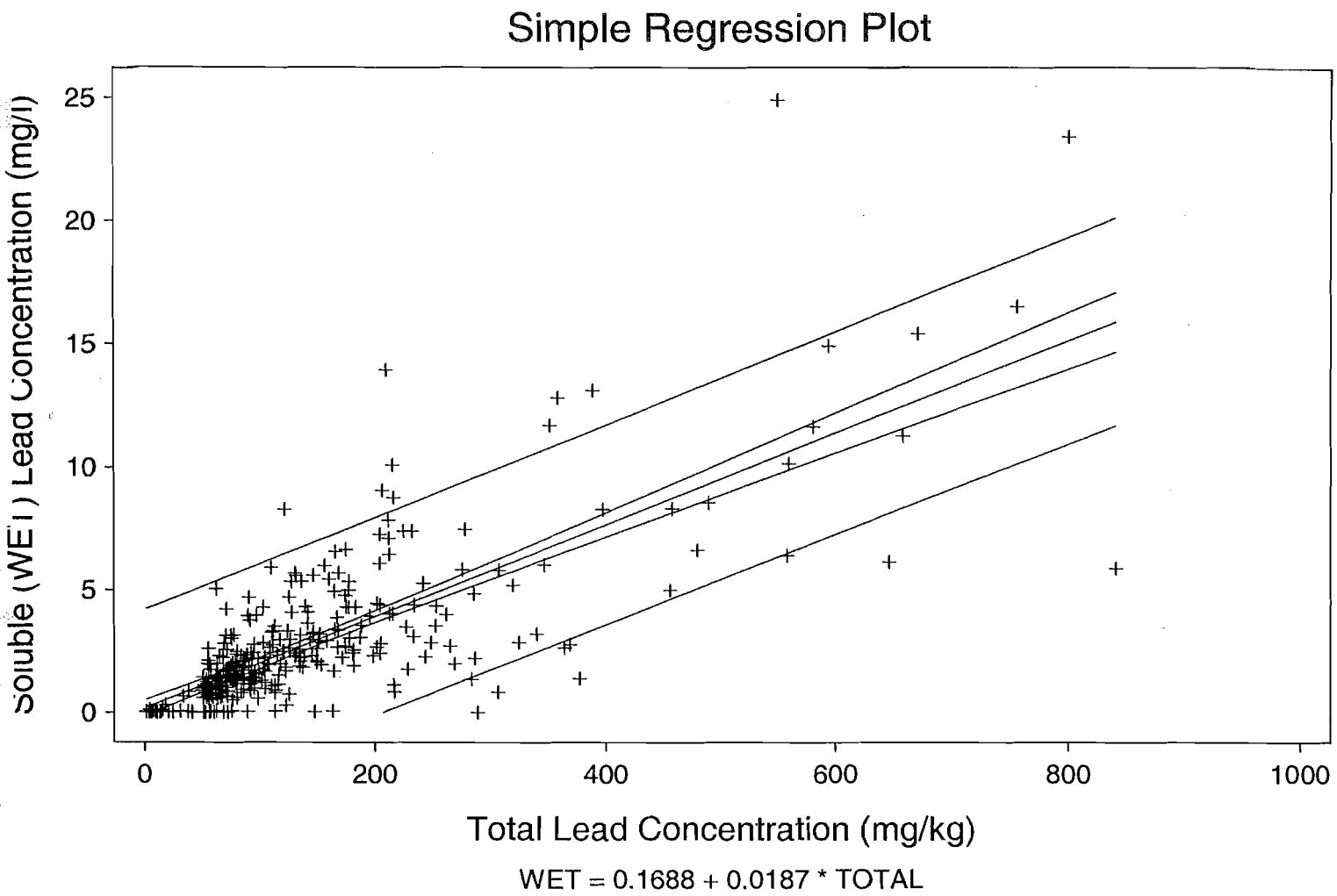
STATISTIX 7.0 SUNOL STATS, 4/3/2003, 1:18:38 PM

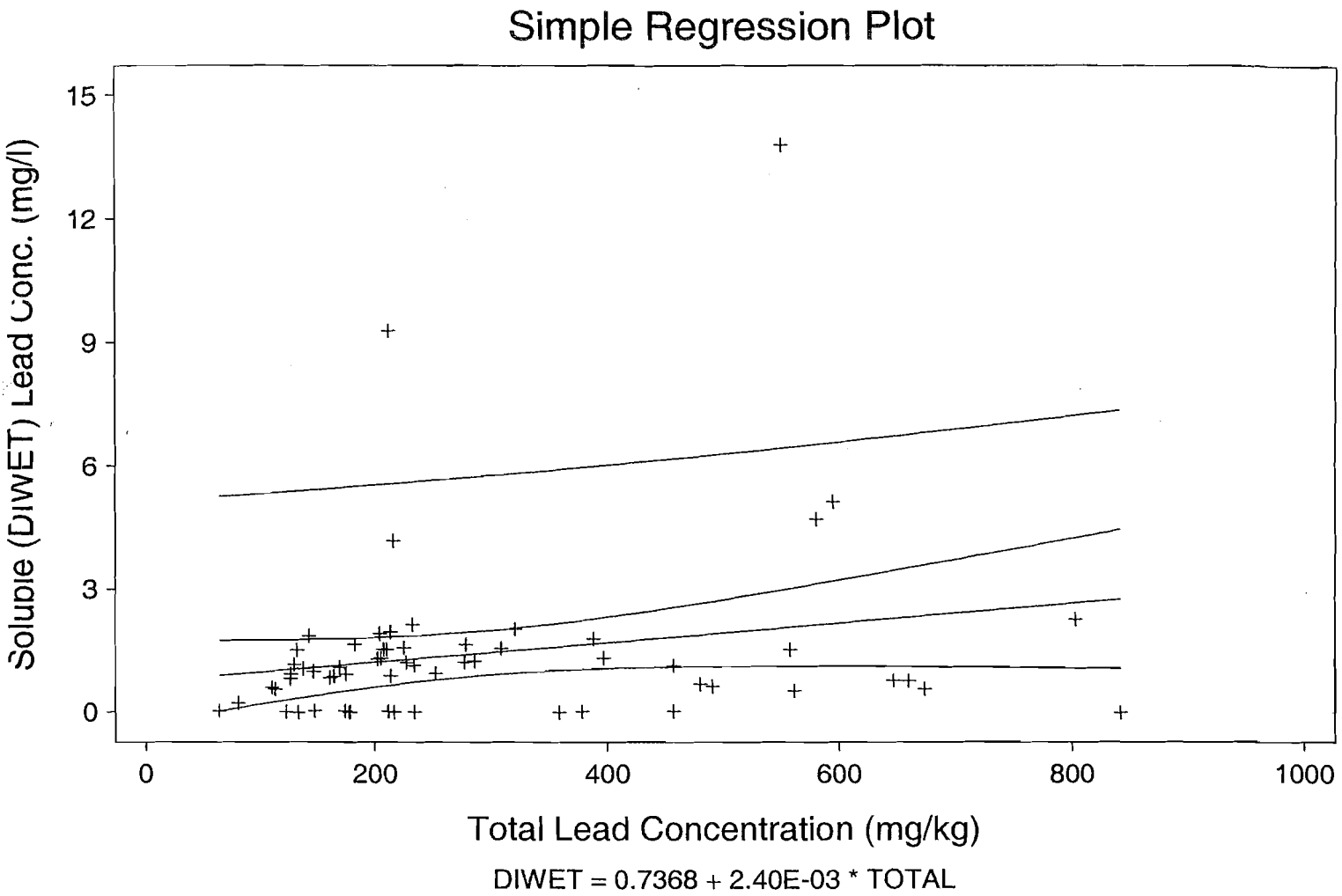
REDICTED/FITTED VALUES OF TCLP

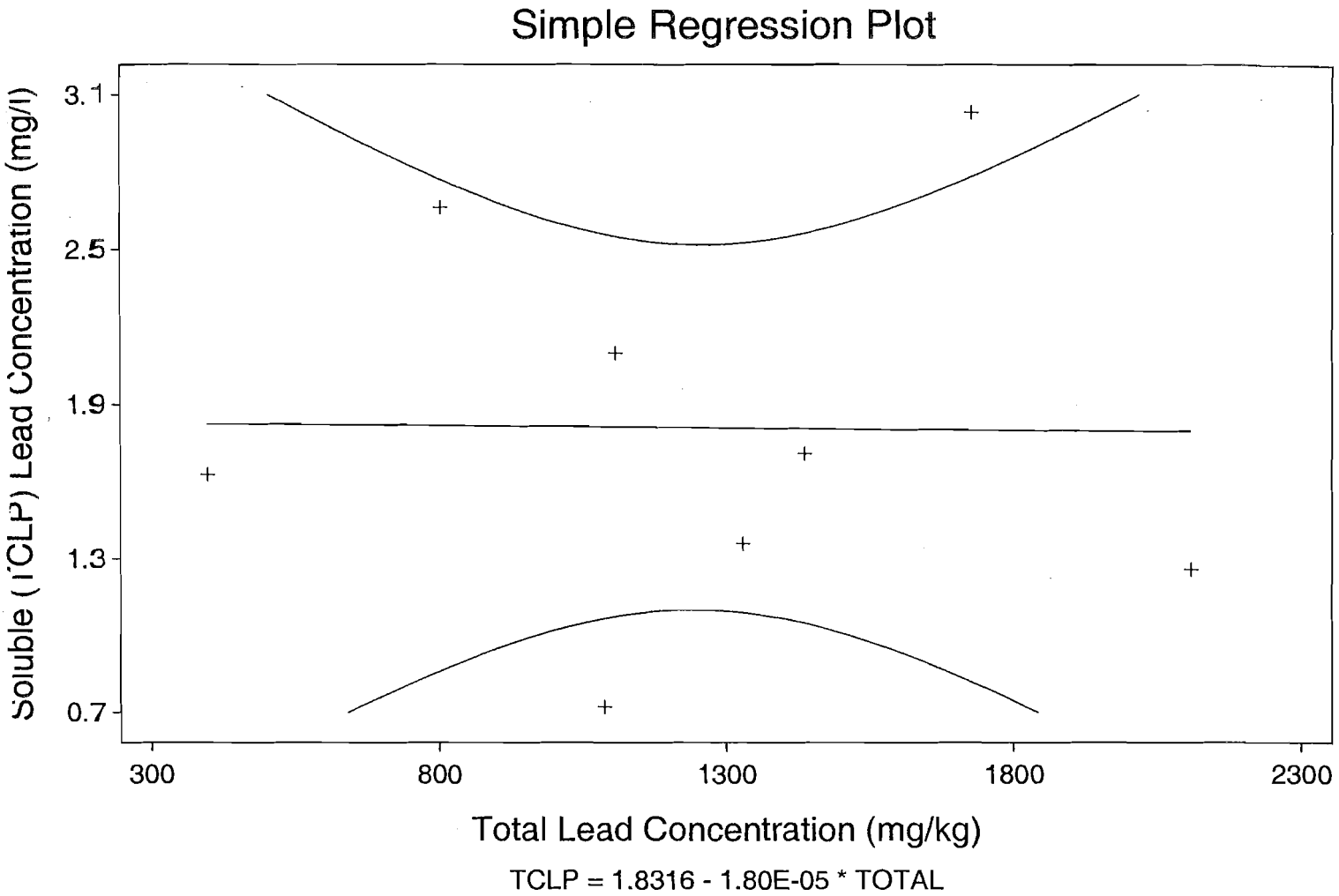
OWER PREDICTED BOUND	-0.3294	LOWER FITTED BOUND	0.3699
REDICTED VALUE	1.8306	FITTED VALUE	1.8306
UPPER PREDICTED BOUND	3.9906	UPPER FITTED BOUND	3.2913
SE (PREDICTED VALUE)	1.1116	SE (FITTED VALUE)	0.7517

NUSUALNESS (LEVERAGE)	0.8427
PERCENT COVERAGE	90.0
CORRESPONDING T	1.94

REDICTOR VALUES: TOTAL = 58.300


Simple Regression Plot
Soluble (WET) Lead Concentration (mg/l)
25
20
15
10
5
0
0
200
400
600
800
1000
Total Lead Concentration (mg/kg)
WET = 0.1688 + 0.0187 * TOTAL


Simple Regression Plot
Soluble (DIWET) Lead Conc. (mg/l)
15
12
9
6
3
0
0
200
400
600
800
1000
Total Lead Concentration (mg/kg)
DIWET = 0.7368 + 2.40E-03 * TOTAL


Simple Regression Plot
Soluble (TCLP) Lead Concentration (mg/l)
3.1
2.5
1.9
1.3
0.7
300
800
1300
1800
2300
Total Lead Concentration (mg/kg)
TCLP = 1.8316 - 1.80E-05 * TOTAL