

FOR CONTRACT NO.: 07-267504

INFORMATION HANDOUT

MATERIALS INFORMATION

SITE INVESTIGATION REPORT
ROUTE 10 AT VARIOUS LOCATIONS FROM CENTINELA-PICO UNDERCROSSING TO
ROUTE 10/110 SEPARATION
CONTRACT NO. 43A0085

ROUTE: 07-LA-10, 110, 405-R4.9/14.8, 21.1, 29.1

FINAL REPORT

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APPROVED

SITE INVESTIGATION REPORT
LEAD TESTING LA-ROUTE 10 AT VARIOUS LOCATIONS
FROM CENTINELA-PICO UNDERCROSSING TO
ROUTE 10/110 SEPARATION
LOS ANGELES COUNTY, CALIFORNIA

CALTRANS EMERGENCY CONTRACT NUMBER 43A00' 05'
WORK ORDER NO. 07-2001-43

EA = 147901

CONTRACT: 07-147904

Prepared for

State of California
Department of Transportation, District 7
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Los Angeles, California 90012-3606

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PSI Project No. 559-3G023

October 14, 2003

TABLE OF CONTENTS

STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION i

1.0 INVESTIGATIVE SUMMARY 1

2.0 PROJECT DESCRIPTION..... 1

3.0 INTRODUCTION..... 2

4.0 INVESTIGATIVE METHODS..... 3

5.0 INVESTIGATIVE RESULTS AND FIELD OBSERVATIONS 5

6.0 SUMMARY OF LABORATORY RESULTS..... 6

7.0 CONCLUSIONS 7

FIGURES

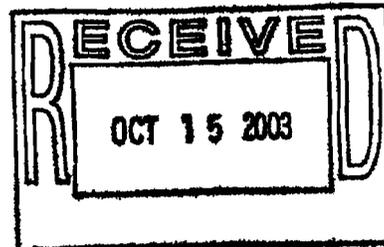
FIGURE 1: SITE LOCATION MAP

TABLES

TABLE 1: SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS

APPENDICES

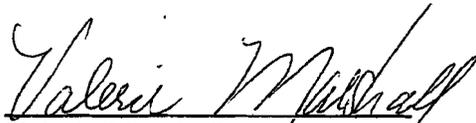
APPENDIX A: SUMMARY OF PSI FIELD PROCEDURES
APPENDIX B: LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORMS

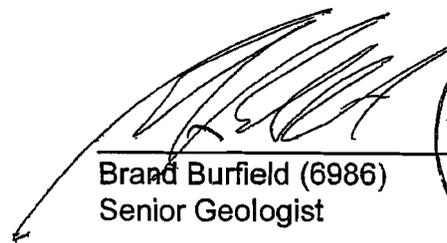


STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

Information provided by Professional Services Industries, Inc., (PSI) for this report is intended exclusively for the California Department of Transportation (Caltrans). PSI is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official view or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation. The professional services provided have been performed in accordance with practices generally accepted by other geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all investigations, there is no guarantee that the work conducted will identify any and all sources or locations of contamination.

This report is issued with the understanding that Caltrans is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. This report has been reviewed by a geologist who is registered in the State of California and whose signature and license number appears below.


Valerie Marshall
Senior Project Manager


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Senior Geologist



729

1.0 INVESTIGATIVE SUMMARY

This report has been prepared by Professional Services Industries, Inc. (PSI), for the State of California Department of Transportation, District 7 (Caltrans), under Emergency Contract Number 43A0065, Work Order No. 07-2001-43 (Work Order). The purpose of this project is to evaluate soil for aerial deposited lead (ADL) from existing freeway shoulders or at temporary stockpile locations along Route 10 from the Centinela-Pico undercrossing to the Route 10/110 separation, situated in the City of Los Angeles, California. The location of the area of investigation is shown in Figure 1.

2.0 PROJECT DESCRIPTION

It is PSI's understanding that Caltrans is planning to construct maintenance vehicle pullouts for the highway workers along Route 10 at various locations from Centinela-Pico Undercrossing to the Route 10/110 separation. The purpose of the Work Order is to evaluate the extent of ADL in surface/subsurface soil and temporary stockpiled soil situated within the construction zone. Soil samples were collected from the surface to 1.5 meters (5-feet) below ground surface (bgs).

The objective is to collect data that can be used to evaluate whether the soil exceeds the 500 milligram per kilogram (mg/kg) threshold limit promulgated in Section 25157.8 of the California Health and Safety Code (H&SC). This section of the H&SC states that after January 1, 1999, no person shall dispose of waste that contains total lead in excess of 0.5 milligrams per liter (mg/l) to land other than a Class I hazardous waste disposal facility. This requirement applies to waste whether it is defined as hazardous or not under the California Code of Regulations (CCR) Title 22. Additionally, the data will be used to evaluate whether the soil is a hazardous waste as define in CCR Title 22. If the waste is defined as a hazardous waste, evaluate whether the Department of Toxic Substances Control (DTSC) variance granted to Caltrans (effective September 22, 2000, revised December 13, 2002) is applicable.

The variance allows Caltrans to redeposit "lead-contaminated soil(s)" in accordance with requirements specified by DTSC. The DTSC has established three categories of lead-impacted soil that can be referred to when evaluating the appropriate management of these "lead contaminated soils". These categories, which are summarized below, are based in part, on using a modified version of CCR Title 22 Wet Extraction Test (WET) which uses deionized water as an extracting agent. For the purpose of this document, this test will be referred hereafter as the "modified WET". Soil defined as hazardous waste that do not meet the criteria set in Categories 1 (9.a.1) or 2 (9.1.2) of the variance must be manifested, transported, and disposed of as a hazardous waste.

CATEGORY 1 (revised 12/13/02): Lead contaminated soil containing 0.5 mg/l extractible lead or less (based on a modified waste extraction test using deionized water as the extractant) and 1,411 milligrams per kilogram (mg/kg) or less total lead may be used as fill provided that the lead-contaminated soil is placed a minimum of five (5) feet above the maximum water table elevation and covered with at least one (1) foot of nonhazardous soil.

CATEGORY 2 (revised 12/13/02): Lead contaminated soil containing more than 0.5 mg/l and less than 50 mg/l extractable lead (based on a modified waste extraction test using deionized water as the extractant) and more than 1,411 mg/kg total lead but less than 3,397 mg/kg total lead may be used as fill provided that this soil is placed a minimum of five (5) feet above the maximum water table elevation and protected from infiltration by a pavement structure which will be maintained by Caltrans. Caltrans shall comply with the lead limits discussed in condition 2.

CATEGORY 3: Soil containing a pH less than 5.0 shall be used only as fill material under the paved portion of the roadway.

3.0 INTRODUCTION

This report has been prepared by Professional Services Industries, Inc. (PSI), for the State of California Department of Transportation, District 7 (Caltrans), under Emergency Contract Number 43A00~~85~~, Work Order 07-2001-43. The purpose of this project is to evaluate soil for aerial deposited lead (ADL) from existing freeway shoulders or at temporary stockpile locations along Route 10 from the Centinela-Pico undercrossing to the Route 10/110 separation, situated in the City of Los Angeles, California. The location of the area of investigation is shown in Figure 1.

This section provides a summary of the project objectives and scope of work performed by PSI to comply with the Caltrans task order.

3.1 General Objective

The general objective of the scope of work is to evaluate the soil along Route 10 from the Centinela-Pico undercrossing to the Route 10/110 separation at specific locations, either from existing freeway shoulders or at temporary stockpile location for the potential presence of contaminants of concern.

3.2 Chronology of Site Activities

The chronology of site activities at the above referenced project area is summarized below:

- Pre-field discussion of scope of work with Caltrans personnel (August 25, 2003);
- Develop a site-specific health and safety plan for approval by Caltrans personnel (September 4, 2003);
- Develop a Site Investigation Workplan for approval by Caltrans personnel (September 4, 2003);
- Conduct an assessment consisting of 16 soil boreholes at various locations to a maximum depth of 5-feet (1.5 meters) bgs (September 5, 2003);
- The boring locations were established prior to the beginning of the sampling activities, but were changed in the field by Mr. Sam Yang of Caltrans District 7. Soil borings B-5, B-6 and B-7 (Locations 6, 7 and 8) were not drilled and additional soil samples (Sample Numbers 55 A, B, C and D and 63 A, B, C and D) were collected from stockpiled areas at Location 10 and 11 (September 5, 2003);

Caltrans WorkOrder No. 07-2001-43

- Collect soil samples at various locations at depth intervals ranging from: surface, 3-feet (0.9 meters), and 5-feet (1.5 meters) bgs (September 5, 2003);
- Collect 9 QA/QC samples: 1 trip blanks, 7-duplicate samples and 1-equipment blank (September 5, 2003);
- Analyze up to 77 soil samples for total lead (TTLC) using United States Environmental Protection Agency (EPA) Method 6010; 75 soil samples analyzed for soluble lead (STLC), Wet-Extraction only, and 17 soil samples analyzed by Di-Wet using Single Element Analysis by EPA Method 7000 and 10 random soil samples were analyzed for pH by EPA Method 8045; and
- Develop a site investigation report detailing the results of the investigation.

3.3 Previous Site Work

No previous site work has been performed.

3.4 Items of Work Completed

- Pre-field discussion of scope of work with Caltrans personnel on August 25, 2003;
- Initiated field work on September 5, 2003 consisting of 16 hand auger soil boreholes at various locations to a maximum depth of 5-feet (1.5 meters) bgs;
- Collect soil samples at each site location at depth intervals determined by Caltrans personnel in the field. Sample depths ranged from the surface, 3-feet (0.9 meters) and 5-feet (1.5 meters) bgs;
- Collected 9 QA/QC samples that included 1-trip blank, 1-equipment blank and 7-duplicate samples. The 9 samples were analyzed for TTLC using EPA Method 6010. The 7-duplicate samples were analyzed for STLC-Wet Extraction, and 1-duplicate sample (Sample Number A) was analyzed for modified WET (deionized water);
- Analyzed 77 soil samples for TTLC and 75 soil samples for STLC-Wet Extraction using EPA Method 6010. If the Wet sample was equal or greater than 5 mg/l, proceeded with the Di-WET test. 17 soil samples were analyzed by Di-WET and 10 random samples were analyzed for soil pH by EPA Method 8045; and
- Developed a site investigation report detailing the results of the investigation.

4.0 INVESTIGATIVE METHODS

The investigation activities consisted of preparation of a health and safety plan, preparation of a work plan, hand auger drilling, sampling and analyses of soil samples.

4.1 Field Methods

4.1.1 Soil Sampling

On September 5, 2003, sixteen (16) soil borings B-1 through B-4 (locations 13 and 14,) and B-8 through B-19 (LaBrea E/B offramp; temporary stockpiles; Locations 1, 9, 10, 11 and 21) were drilled using hand auger equipment following the general procedures outlined in Appendix A. A total of 12 samples (Sample Numbers 1 through 12) were collected from soil borings B-1 through B-4 and 56 soil samples (Sample

Numbers 22 through 55 A, B, C & D, 56-63 A, B, C & D, and 64-71) were collected from soil borings B-8 through B-19. The boring locations were established prior to the beginning of the sampling activities, but were changed in the field by Mr. Sam Yang of Caltrans District 7. Soil borings B-5, B-6 and B-7 (Locations 6, 7 and 8) were not drilled and additional soil samples (Sample Numbers 55-A, B, C and D and 63-A, B, C and D) were collected from Location 10 and 11 from stockpiled areas. Please refer to Figure 1 for the approximate location of the borings and Table 1 for Summary of Analytical Laboratory Test Results. The locations of the soil borings were not surveyed.

PSI collected soil samples at the surface, 3-feet (0.9-meters), and 5-feet (1.5 meters) bgs as directed by Caltrans personnel. Please refer to Table 1 for a summary of soil samples collected. The soil samples were obtained using a hand auger, which were placed in containers supplied by the laboratory, labeled, and placed in an ice chest for eventual transport to a California certified laboratory. The sampling equipment was decontaminated between each sample following the general procedures outlined in Appendix B. Boring locations were abandoned by backfilling with the soil cuttings.

4.1.2 QA/QC Samples

PSI adheres to a series of procedures designed to maintain a level of Quality Assurance and Quality Control (QA/QC) so that sample data and information provided is defensible, consistent, reproducible, representative, and accurate and precise with a minimum of bias. PSI's approach to QA/QC for sampling incorporates the collection and analysis of both laboratory and field QA/QC samples. The type of QA/QC samples collected on this project was:

- *Duplicate Samples* – Duplicate QA/QC samples were collected for every 10 soil samples and analyzed for ICAP metals (lead) by EPA 6010/7000 for TTLC and STLC. Seven duplicate samples were collected and submitted to the laboratory for analysis;
- *Equipment Rinse Blanks* – Equipment rinse blanks are collected to evaluate potential for cross contamination between sampling points. The equipment blank consists of pouring distilled water through the decontaminated drive sampler and capturing the rinse water for laboratory analysis. One equipment rinse was collected and analyzed for ICAP Metals (lead) by EPA Method 6010/7000 for TTLC and STLC;
- *Trip Blank* – One trip blank per ice chest was submitted to the laboratory and analyzed for ICAP Metals (lead) by EPA Method 6010/7000 for TTLC and STLC.

The results of the field QA/QC samples are located in Appendix B.

The laboratory QA/QC samples are run for initial calibration verification utilizing a comparison against a known standard at a known concentration. The percent recovery of the laboratory control standard is compared to an acceptable limit of recovery. If the percent recovery falls within the range, the calibration is accurate. A matrix spike sample and duplicate are compared to each other for a relative percent difference. The upper control limit for this difference cannot exceed 30%.

At random, a sample of the field matrix is given a known concentration and analyzed in comparison to a duplicate sample. The spike recovery results are compared to a relative percent difference. The upper control limit for this difference cannot exceed 30%.

4.1.3 Decontamination

To avoid cross-contamination of samples, all reusable parts were washed in a phosphate-free solution, double rinsed in tap water and received a final rinse in deionized water or are steam-cleaned, prior to use.

4.2 Deviations from Work Plan

The boring locations were established prior to the beginning of the sampling activities, but were changed in the field by Mr. Sam Yang of Caltrans District 7. Soil borings B-5, B-6 and B-7 (Locations 6, 7 and 8) were not drilled and additional soil samples (Sample Numbers 55 A, B, C and D and 63 A, B, C and D) were collected from temporary soil stockpiles at Location 10 and 11.

5.0 INVESTIGATIVE RESULTS AND FIELD OBSERVATIONS

This section of the report provides a summary of the analytical methods and results from the sampling and analysis program implemented for this investigation.

5.1 Site Conditions

The project area is located along Route 10 from the Centinela-Pico undercrossing to the Route 10/110 separation. Soil samples were collected from existing freeway shoulders or temporary stockpile locations.

Based on the Geologic Map of California (Division of Mines and Geology, 1977), the geology of the project site consists of alluvium, lake, playa and terrace deposits; unconsolidated and semi-consolidated, marine and nonmarine deposits.

5.2 Analytical Results

This section provides a summary of the soil quality results for the investigation. The laboratory data report and chain-of-custody documentation are included in Appendix B.

Lead Results

Total lead (TTL) was detected in seventy-seven (77) soil samples analyzed at concentrations ranging from not-detected, or below laboratory detection limits, to 1,400 mg/kg. A total of seventy-five (75) soil samples were analyzed for soluble lead (STL) by WET. Seventeen (17) of the seventy-five (75) soil samples contained soluble lead by WET at a concentration above 5 mg/l. Analysis for soluble lead using the modified WET methodology (deionized water) indicated that six (6) of the seventeen (17) samples were above the laboratory detection limit of 0.10 mg/l. These included sample numbers 6 (0.7 mg/l), 7

(0.25 mg/l), 40 (0.19 mg/l), 44 (0.13 mg/l), 53 (0.60 mg/l) and duplicate sample number A (0.28 mg/l). See Table 1 for Summary of Analytical Results.

pH Results

A total of ten (10) random soil samples were analyzed for pH. pH values ranged from 6.1 to 7.3

The soil samples collected during this investigation were submitted to SunStar Laboratories, Inc.(SunStar) of Tustin, California. SunStar is a State of California Department of Health Services certified hazardous waste laboratory. All samples were submitted for a 48-hour laboratory turnaround. The type of analyses performed for each sample is described below and in the Caltrans Scope of Work.

Soil samples were analyzed for total lead using EPA Method 6010 ICAP single element and soluble lead using EPA Method 7000 Waste Extraction Test (WET). WET results in excess of 5 mg/l were further analyzed using a modified version of the WET that utilizes deionized water as the extracting agent. Additionally, ten (10) random soil samples were analyzed for pH using EPA Method 9045. The following is a summary of the number of samples and analyses performed for this project. QA/QC samples are included in the total number of samples below.

Caltrans Item No./Analyses	Number of Soil Samples
56/ ICAP (Totals)	77
60/ WET Extract	75
83/ ICAP (Soluble WET-DI)	17
92/pH	10

6.0 SUMMARY OF LABORATORY RESULTS

This section provides a summary of the soil quality results for the investigation. The laboratory data report and chain-of-custody documentation are included in Appendix B.

Lead Results

Total lead (TTLC) was detected in soil samples analyzed at concentrations ranging from not-detected, or below laboratory detection limits to 1,400 mg/kg. A total of seventy-five (75) soil samples were analyzed for soluble lead (STLC) by WET. Seventeen (17) of the seventy-five (75) soil samples contained soluble lead by WET at a concentration above 5 mg/l. Analysis for soluble lead using the modified WET methodology (deionized water) indicated that six (6) of the seventeen (17) samples were above the laboratory detection limit of 0.10 mg/l. These included sample number 6 (0.7 mg/l), 7 (0.25 mg/l), 40 (0.19 mg/l), 44 (0.13 mg/l), 53 (0.60 mg/l) and duplicate sample number A (0.28 mg/l). See Table 1 for Summary of Analytical Results.

pH Results

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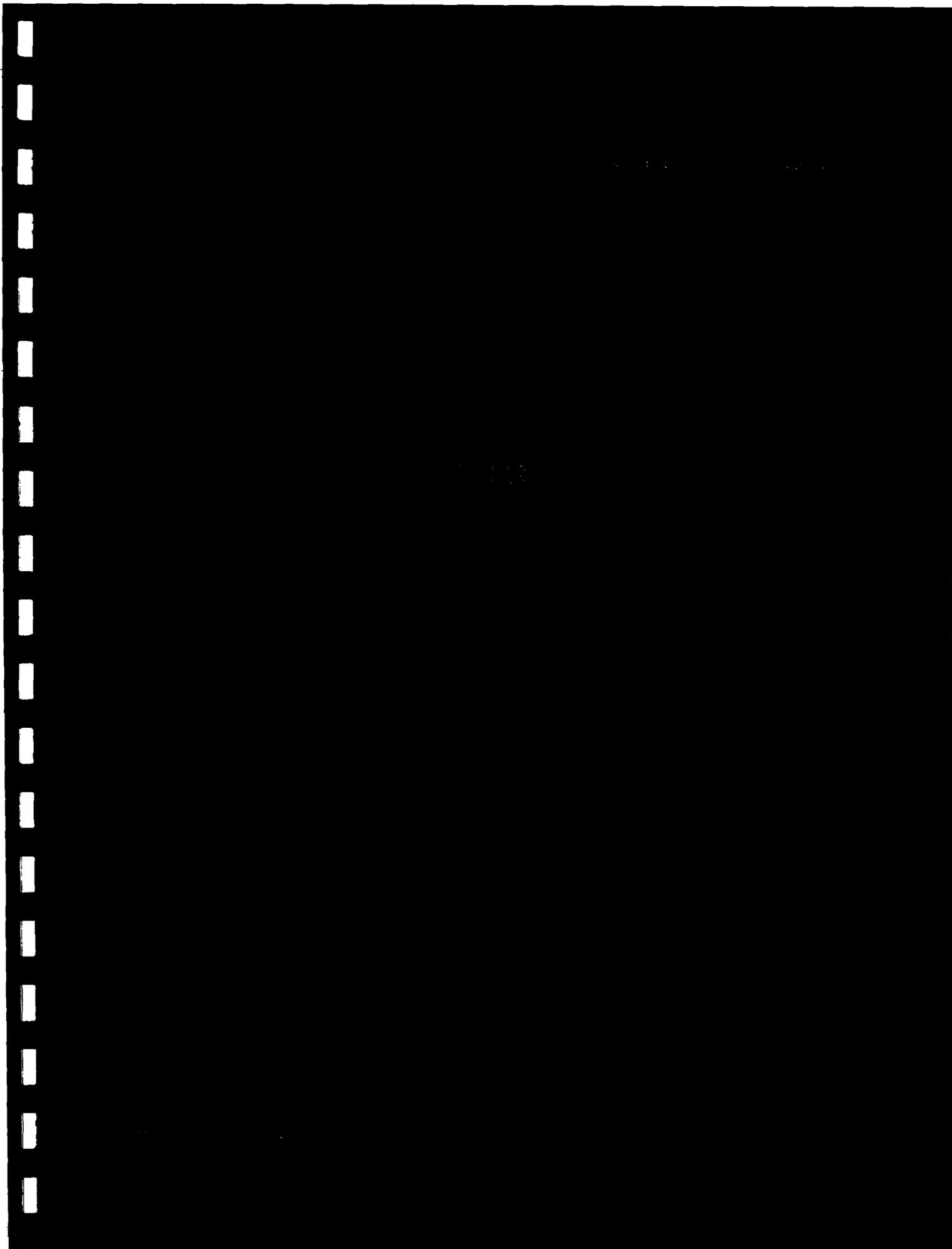
7.0 CONCLUSIONS

This section provides a summary of conclusions based on the data collected during this investigation.

7.1 Conclusions

The following conclusions are based on the field observations, and analytical data collected during this investigation:

- Sixteen (16) soil samples collected and analyzed during this investigation indicate that the soluble lead concentration by the WET are above the Title 22 hazardous waste threshold concentration of 5 mg/l.
- Six (6) soil samples analyzed for soluble lead using the modified WET were detected in concentrations that were above the 0.5 mg/l variance limit. These included sample numbers 6 (0.7 mg/l), 7 (0.25 mg/l), 40 (0.19 mg/l), 44 (0.13 mg/l), 53 (0.60 mg/l) and duplicate sample number A (0.28 mg/l). See Table 1 for Summary of Analytical Results.

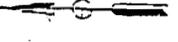


DATE	REVISION	BY	REASON
11-15-03	1	NGIM	ISSUE FOR PERMITS
11-15-03	2	NGIM	ISSUE FOR PERMITS
11-15-03	3	NGIM	ISSUE FOR PERMITS
11-15-03	4	NGIM	ISSUE FOR PERMITS
11-15-03	5	NGIM	ISSUE FOR PERMITS
11-15-03	6	NGIM	ISSUE FOR PERMITS
11-15-03	7	NGIM	ISSUE FOR PERMITS
11-15-03	8	NGIM	ISSUE FOR PERMITS
11-15-03	9	NGIM	ISSUE FOR PERMITS
11-15-03	10	NGIM	ISSUE FOR PERMITS
11-15-03	11	NGIM	ISSUE FOR PERMITS
11-15-03	12	NGIM	ISSUE FOR PERMITS
11-15-03	13	NGIM	ISSUE FOR PERMITS
11-15-03	14	NGIM	ISSUE FOR PERMITS
11-15-03	15	NGIM	ISSUE FOR PERMITS
11-15-03	16	NGIM	ISSUE FOR PERMITS
11-15-03	17	NGIM	ISSUE FOR PERMITS
11-15-03	18	NGIM	ISSUE FOR PERMITS
11-15-03	19	NGIM	ISSUE FOR PERMITS
11-15-03	20	NGIM	ISSUE FOR PERMITS

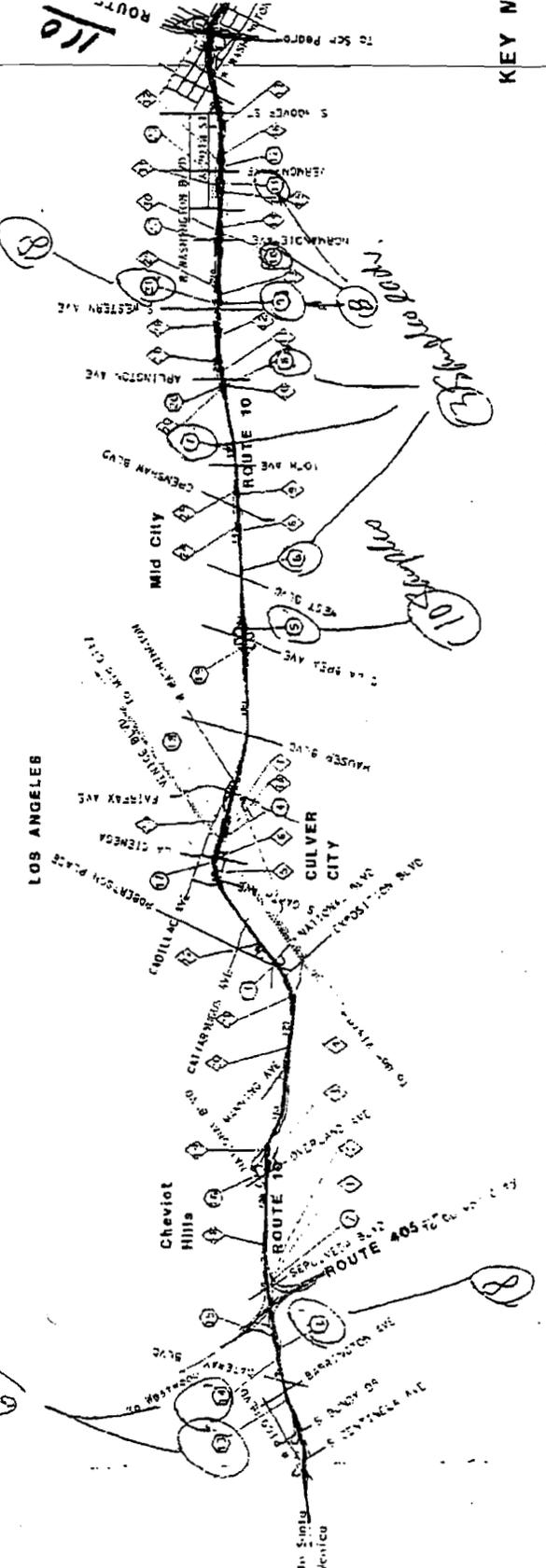


LOCATION OF CONSTRUCTION		LOCATION OF CONSTRUCTION	
LOCATION NO.	DATE	LOCATION NO.	DATE
L-1	1-14	L-1	1-14
L-2	1-15	L-2	1-15
L-3	1-16	L-3	1-16
L-4	1-17	L-4	1-17
L-5	1-18	L-5	1-18
L-6	1-19	L-6	1-19
L-7	1-20	L-7	1-20
L-8	1-21	L-8	1-21
L-9	1-22	L-9	1-22
L-10	1-23	L-10	1-23
L-11	1-24	L-11	1-24
L-12	1-25	L-12	1-25
L-13	1-26	L-13	1-26
L-14	1-27	L-14	1-27
L-15	1-28	L-15	1-28

- NOTES:
- CONSTRUCTION LOCATION
 - MAINTENANCE VEHICLE FACILITY (MVP) NO.
 - SLOPE PAVING AREA



6 Sample Road - 11/15/03



KEY N

1945

TABLE 1
 SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
 SOIL SAMPLES

Sample ID	Sample Location	Borehole No.	Sample Depth (feet)	Total Lead (mg/kg)	Soluble Lead (mg/l)	Soluble Lead by DI (mg/l)	pH	
1	Location 13	1	surface	79	2.3	NA	NA	
2			surface	15	0.23	NA	NA	
3			surface	64	1.3	NA	7.2	
4		2	surface	310	11	ND	NA	
5			surface	86	2.3	NA	NA	
6			surface	310	8.0	0.17	NA	
7	Location 14	3	surface	1400	23	0.25	NA	
8			surface	140	3.2	NA	NA	
9			surface	60	0.93	NA	NA	
10		4	surface	52	0.60	NA	7.2	
11			surface	240	3.2	NA	NA	
12			surface	80	1.1	NA	NA	
22	La Brea E/B offramp; Temp. Stockpile	8	surface	36	0.56	NA	NA	
23			surface	150	1.7	NA	NA	
24			surface	380	5.4	ND	NA	
25			surface	210	1.4	NA	NA	
26			surface	140	2.1	NA	NA	
27			surface	140	1.7	NA	NA	
28		9	surface	47	0.80	NA	NA	
29			surface	73	3.1	NA	NA	
30			surface	140	3.2	NA	NA	
31			surface	130	4.2	NA	NA	
32			Location 1	10	surface	420	3.8	NA
33	surface	49			0.13	NA	NA	
34	surface	20			ND	NA	NA	
35	5 ft (1.5 m)	67			0.33	NA	7.3	
36	11	surface		390	5.9	ND	6.6	
37		surface		65	ND	NA	NA	
38		surface		13	ND	NA	NA	
39	3 ft (0.9 m)	20	ND	NA	NA			
40	Location 9	12	surface	1200	44	0.19	6.2	
41			surface	730	15	ND	NA	
42			surface	910	15	ND	NA	
43			3 ft (0.9 m)	57	0.61	NA	NA	
44		13	surface	710	22	0.13	NA	
45			surface	380	9.5	ND	NA	
46			surface	630	14	ND	NA	
47	feet	27	0.40	NA	NA			
48	Location 10	14	3 ft (0.9 m)	8.1	ND	NA	6.1	
49			3 ft (0.9 m)	20	ND	NA	NA	
50			3 ft (0.9 m)	27	ND	NA	NA	
51			3 ft (0.9 m)	12	ND	NA	NA	
52		15	3 ft (0.9 m)	14	ND	NA	NA	
53			surface	1200	14	0.60	6.6	
54			surface	37	ND	NA	NA	
55 A			surface	8.2	ND	NA	NA	
55 B			Stockpiled Area	surface	50	1.2	NA	NA
55 C				surface	81	1.2	NA	NA
55 D	surface	89		1.3	NA	NA		

89

**SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
SOIL SAMPLES**

Sample ID	Sample Location	Borehole No.	Sample Depth (feet)	Total Lead (mg/kg)	Soluble Lead (mg/l)	Soluble Lead by DI (mg/l)	pH
56	Location 11	16	3 ft (0.9 m)	10	ND	NA	NA
57			3 ft (0.9 m)	3.5	ND	NA	6.8
58			3 ft (0.9 m)	4.6	ND	NA	NA
59			3 ft (0.9 m)	3.8	ND	<0.5	NA
60		17	3 ft (0.9 m)	17	ND	NA	NA
61			surface	89	0.43	<0.5	NA
62			surface	120	0.74	NA	NA
63 A		Stockpiled Area	surface	32	0.40	NA	NA
63 B			surface	10	ND	<0.5	NA
63 C			surface	3.9	ND	NA	6.9
63 D	surface		76	1.4	NA	NA	
64	Location 21	18	surface	59	1.7	NA	6.8
65			surface	56	0.98	NA	NA
66			3 ft (0.9 m)	230	5.6	ND	NA
67			3 ft (0.9 m)	100	4.7	ND	NA
68	Location 21	19	surface	560	17	ND	NA
69			surface	550	12	ND	NA
70			3 ft (0.9 m)	3.8	ND	NA	NA
71			3 ft (0.9 m)	ND	ND	NA	NA
TB-1*	QA/QC			ND	N/A	NA	NA
EB-1*				ND	N/A	NA	NA
A*				370	5.4	0.28	NA
B*				30	0.53	NA	NA
C*				95	3.6	NA	NA
D*				18	ND	NA	NA
E*				6.0	ND	NA	NA
F*				94	0.76	NA	NA
G*	3.3	ND	NA	NA			

Notes:

mg/kg = milligram per kilogram

mg/l = milligram per liter

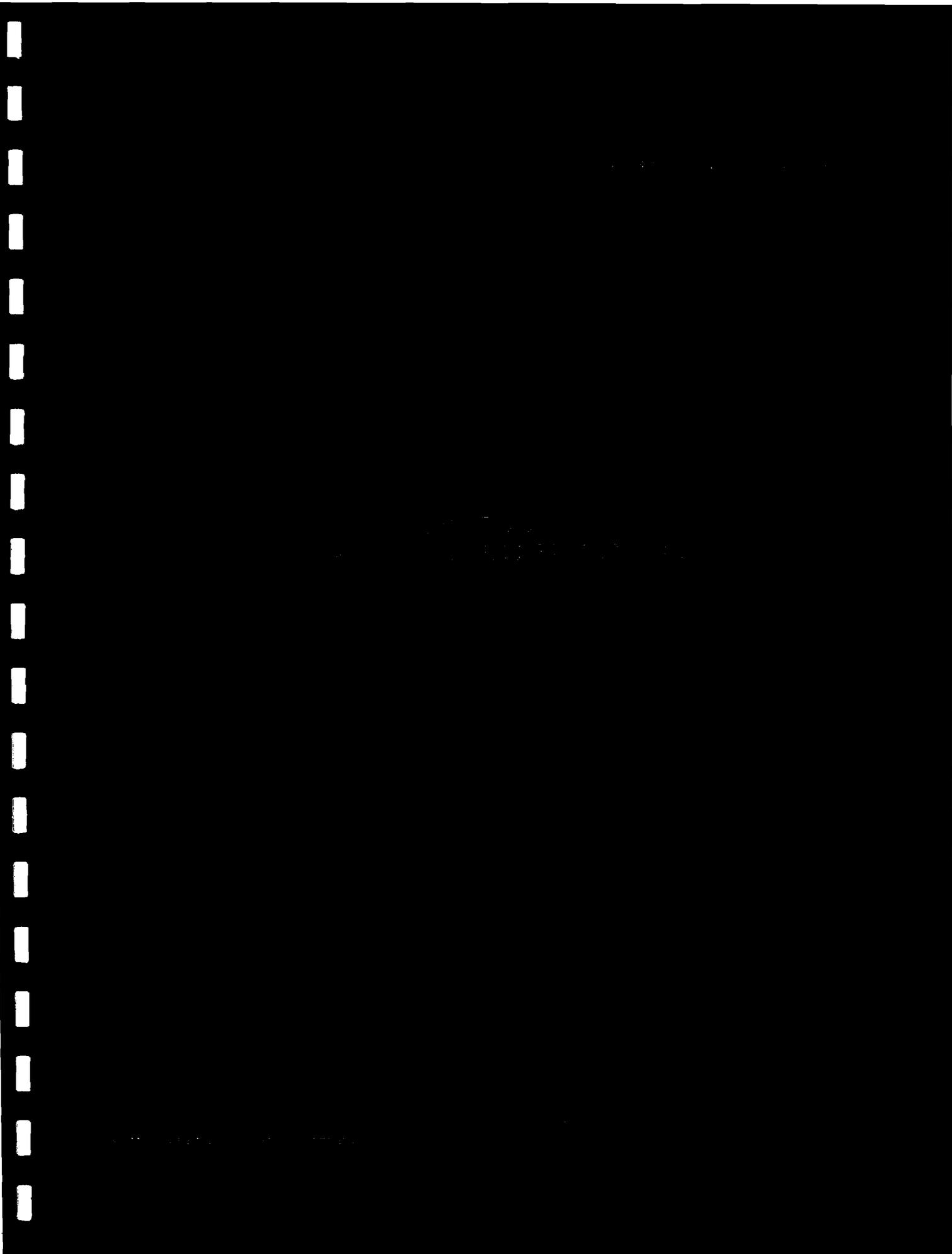
NA = not analyzed

ND = not detected above laboratory detection limit

* = QA/QC samples

m = meters

ft = feet



**PSI PROCEDURES FOR
SOIL SAMPLING USING A HAND AUGER**

The following paragraphs describe the PSI procedures for soil sampling during drilling, using a hand auger.

1. Soil samples are collected into 1.0-inch inside-diameter sampling tubes or glass sample jars. The sampling tubes are composed of acetate, Teflon, or brass.
2. To avoid cross-contamination of samples, all reusable parts are washed in a phosphate-free solution, double rinsed in tap water and receive a final rinse in deionized water prior to use.
3. The sampler is attached to the hand auger and advanced (depending upon the length of the sampling tube) into the soil below.
4. At the prescribed depth, the sample tube is recovered from the sampler and is sealed by placing Teflon lined plastic caps on both ends. The sample tube is labeled and placed on ice or equivalent medium sufficient to maintain a sample temperature of approximately 4 degrees centigrade until the samples are received by a California-certified hazardous waste testing laboratory. All soil samples will be homogenized.
5. At locations where soil has been excavated and loosely stockpiled, soil samples are collected in glass jars. Each glass jar is labeled and placed on ice or equivalent medium sufficient to maintain a sample temperature of approximately 4 degrees centigrade until the sample are received by a California-certified hazardous waste testing laboratory.
6. The sample is recorded on a chain-of-custody form to document trackability of the sample.

PSI PROCEDURES FOR SOIL SAMPLING BY HAND
(GRAB SAMPLES)

The following paragraphs describe PSI procedures for soil sampling by hand.

1. Soil is excavated to a specified depth by hand-auger, backhoe, or other excavating tool. A soil sample is collected from soil excavated at the specified depth.
2. The soil is packed into precleaned, 250-ml Quorpak jars without headspace. The jar is then tightly capped with a Teflon-lined lid.
3. Each collected soil sample is labeled, recorded on a chain-of-custody form, and placed on ice while awaiting transport to a certified hazardous waste laboratory.

PSI PROCEDURES FOR FIELD DOCUMENTATION OF SAMPLING ACTIVITIES

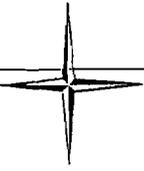
The following paragraphs describe PSI procedures for proper sampling documentation.

1. Sampling procedures shall be documented in field notes that will contain the following information:
 - Sample collection procedures,
 - Date and time of collection,
 - Date of shipping,
 - Sample collection location,
 - Sample identification number(s),
 - Intended analysis,
 - Quality control samples,
 - Sample preservation,
 - Name of collector,
 - Any pertinent observations.
2. Samples shall be labeled with the following information:
 - Sample number, Well number,
 - Date and time sample was collected,
 - Name of collector, and
 - Sample preservatives (if required).
3. Handling of the samples shall be recorded on a chain-of-custody form that will include the following information:
 - Site name,
 - Signature of collector,
 - Date and time of collection,
 - Sample identification number,
 - Number of containers in sample set,
 - Description of sample and container,
 - Names and signatures of persons, and the companies or agencies they represent, who are involved in the chain of possession,
 - Inclusive dates and times of possession, and
 - Analyses to be completed.

4-11-1951

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SunStar Laboratories, Inc.

17 September 2003

Valerie Marshall
PSI - Long Beach
3960 Gilman Street
Long Beach, CA 90815
RE: 559-36023

Enclosed are the results of analyses for samples received by the laboratory on 09/08/03 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ben Beauchaine For John Shepler
Laboratory Director

PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-1	T300961-01	Water	9/5/03	9/8/03
#7	T300961-02	Soil	9/5/03	9/8/03
#8	T300961-03	Soil	9/5/03	9/8/03
#9	T300961-04	Soil	9/5/03	9/8/03
#10	T300961-05	Soil	9/5/03	9/8/03
#11	T300961-06	Soil	9/5/03	9/8/03
#12	T300961-07	Soil	9/5/03	9/8/03
#1	T300961-08	Soil	9/5/03	9/8/03
#2	T300961-09	Soil	9/5/03	9/8/03
#3	T300961-10	Soil	9/5/03	9/8/03
#4	T300961-11	Soil	9/5/03	9/8/03
#5	T300961-12	Soil	9/5/03	9/8/03
#6	T300961-13	Soil	9/5/03	9/8/03
#32	T300961-14	Soil	9/5/03	9/8/03
#33	T300961-15	Soil	9/5/03	9/8/03
#34	T300961-16	Soil	9/5/03	9/8/03
#35	T300961-17	Soil	9/5/03	9/8/03
#36	T300961-18	Soil	9/5/03	9/8/03
#37	T300961-19	Soil	9/5/03	9/8/03
#38	T300961-20	Soil	9/5/03	9/8/03
#39	T300961-21	Soil	9/5/03	9/8/03
#22	T300961-22	Soil	9/5/03	9/8/03
#23	T300961-23	Soil	9/5/03	9/8/03
#24	T300961-24	Soil	9/5/03	9/8/03
#25	T300961-25	Soil	9/5/03	9/8/03
#26	T300961-26	Soil	9/5/03	9/8/03
#27	T300961-27	Soil	9/5/03	9/8/03
#28	T300961-28	Soil	9/5/03	9/8/03
#29	T300961-29	Soil	9/5/03	9/8/03
#30	T300961-30	Soil	9/5/03	9/8/03
#31	T300961-31	Soil	9/5/03	9/8/03

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Ben Beauchaine For John Shepler, Laboratory Director

PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

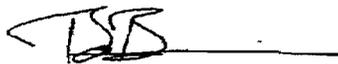
Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#40	T300961-32	Soil	9/5/03	9/8/03
#41	T300961-33	Soil	9/5/03	9/8/03
#42	T300961-34	Soil	9/5/03	9/8/03
#43	T300961-35	Soil	9/5/03	9/8/03
#44	T300961-36	Soil	9/5/03	9/8/03
#45	T300961-37	Soil	9/5/03	9/8/03
#46	T300961-38	Soil	9/5/03	9/8/03
#47	T300961-39	Soil	9/5/03	9/8/03
#48	T300961-40	Soil	9/5/03	9/8/03
#49	T300961-41	Soil	9/5/03	9/8/03
#50	T300961-42	Soil	9/5/03	9/8/03
#51	T300961-43	Soil	9/5/03	9/8/03
#52	T300961-44	Soil	9/5/03	9/8/03
#53	T300961-45	Soil	9/5/03	9/8/03
#54	T300961-46	Soil	9/5/03	9/8/03
#55A	T300961-47	Soil	9/5/03	9/8/03
#55B	T300961-48	Soil	9/5/03	9/8/03
#55C	T300961-49	Soil	9/5/03	9/8/03
#55D	T300961-50	Soil	9/5/03	9/8/03
#56	T300961-51	Soil	9/5/03	9/8/03
#57	T300961-52	Soil	9/5/03	9/8/03
#58	T300961-53	Soil	9/5/03	9/8/03
#59	T300961-54	Soil	9/5/03	9/8/03
#60	T300961-55	Soil	9/5/03	9/8/03
#61	T300961-56	Soil	9/5/03	9/8/03
#62	T300961-57	Soil	9/5/03	9/8/03
#63A	T300961-58	Soil	9/5/03	9/8/03
#63B	T300961-59	Soil	9/5/03	9/8/03
#63C	T300961-60	Soil	9/5/03	9/8/03
#63D	T300961-61	Soil	9/5/03	9/8/03
#64	T300961-62	Soil	9/5/03	9/8/03

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Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#65	T300961-63	Soil	9/5/03	9/8/03
#66	T300961-64	Soil	9/5/03	9/8/03
#67	T300961-65	Soil	9/5/03	9/8/03
#68	T300961-66	Soil	9/5/03	9/8/03
#69	T300961-67	Soil	9/5/03	9/8/03
#70	T300961-68	Soil	9/5/03	9/8/03
#71	T300961-69	Soil	9/5/03	9/8/03
EB-1	T300961-70	Water	9/5/03	9/8/03
#A	T300961-71	Soil	9/5/03	9/8/03
#B	T300961-72	Soil	9/5/03	9/8/03
#C	T300961-73	Soil	9/5/03	9/8/03
#D	T300961-74	Soil	9/5/03	9/8/03
#E	T300961-75	Soil	9/5/03	9/8/03
#F	T300961-76	Soil	9/5/03	9/8/03
#G	T300961-77	Soil	9/5/03	9/8/03

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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-1 (T300961-01) Water Sampled: 09/05/03 09:10 Received: 09/08/03 12:00									
Lead	ND	50	ug/l	1	3090901	09/09/03	09/09/03	EPA 6010B	
#7 (T300961-02) Soil Sampled: 09/05/03 09:25 Received: 09/08/03 12:00									
Lead	1400	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#8 (T300961-03) Soil Sampled: 09/05/03 09:28 Received: 09/08/03 12:00									
Lead	140	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#9 (T300961-04) Soil Sampled: 09/05/03 09:30 Received: 09/08/03 12:00									
Lead	60	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#10 (T300961-05) Soil Sampled: 09/05/03 09:35 Received: 09/08/03 12:00									
Lead	52	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#11 (T300961-06) Soil Sampled: 09/05/03 09:36 Received: 09/08/03 12:00									
Lead	240	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#12 (T300961-07) Soil Sampled: 09/05/03 09:37 Received: 09/08/03 12:00									
Lead	80	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#1 (T300961-08) Soil Sampled: 09/05/03 09:40 Received: 09/08/03 12:00									
Lead	79	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#2 (T300961-09) Soil Sampled: 09/05/03 09:42 Received: 09/08/03 12:00									
Lead	15	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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3960 Gilman Street
Long Beach CA, 90815

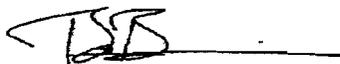
Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#3 (T300961-10) Soil	Sampled: 09/05/03 09:43	Received: 09/08/03 12:00							
Lead	64	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#4 (T300961-11) Soil	Sampled: 09/05/03 09:45	Received: 09/08/03 12:00							
Lead	310	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#5 (T300961-12) Soil	Sampled: 09/05/03 09:46	Received: 09/08/03 12:00							
Lead	86	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#6 (T300961-13) Soil	Sampled: 09/05/03 09:48	Received: 09/08/03 12:00							
Lead	310	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#32 (T300961-14) Soil	Sampled: 09/05/03 09:58	Received: 09/08/03 12:00							
Lead	420	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#33 (T300961-15) Soil	Sampled: 09/05/03 10:00	Received: 09/08/03 12:00							
Lead	49	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#34 (T300961-16) Soil	Sampled: 09/05/03 10:05	Received: 09/08/03 12:00							
Lead	20	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#35 (T300961-17) Soil	Sampled: 09/05/03 10:15	Received: 09/08/03 12:00							
Lead	67	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#36 (T300961-18) Soil	Sampled: 09/05/03 10:16	Received: 09/08/03 12:00							
Lead	390	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#37 (T300961-19) Soil	Sampled: 09/05/03 10:18	Received: 09/08/03 12:00							
Lead	65	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#38 (T300961-20) Soil	Sampled: 09/05/03 10:20	Received: 09/08/03 12:00							
Lead	13	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#39 (T300961-21) Soil	Sampled: 09/05/03 10:27	Received: 09/08/03 12:00							
Lead	20	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#22 (T300961-22) Soil	Sampled: 09/05/03 10:35	Received: 09/08/03 12:00							
Lead	36	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#23 (T300961-23) Soil	Sampled: 09/05/03 10:38	Received: 09/08/03 12:00							
Lead	150	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#24 (T300961-24) Soil	Sampled: 09/05/03 10:42	Received: 09/08/03 12:00							
Lead	380	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#25 (T300961-25) Soil	Sampled: 09/05/03 10:44	Received: 09/08/03 12:00							
Lead	210	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#26 (T300961-26) Soil	Sampled: 09/05/03 10:46	Received: 09/08/03 12:00							
Lead	140	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#27 (T300961-27) Soil	Sampled: 09/05/03 10:47	Received: 09/08/03 12:00							
Lead	140	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#28 (T300961-28) Soil	Sampled: 09/05/03 10:48	Received: 09/08/03 12:00							
Lead	47	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#29 (T300961-29) Soil	Sampled: 09/05/03 10:50	Received: 09/08/03 12:00							
Lead	73	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#30 (T300961-30) Soil	Sampled: 09/05/03 10:53	Received: 09/08/03 12:00							
Lead	140	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#31 (T300961-31) Soil	Sampled: 09/05/03 10:55	Received: 09/08/03 12:00							
Lead	130	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#40 (T300961-32) Soil	Sampled: 09/05/03 11:20	Received: 09/08/03 12:00							
Lead	1200	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#41 (T300961-33) Soil	Sampled: 09/05/03 11:22	Received: 09/08/03 12:00							
Lead	730	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#42 (T300961-34) Soil	Sampled: 09/05/03 11:24	Received: 09/08/03 12:00							
Lead	910	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#43 (T300961-35) Soil	Sampled: 09/05/03 11:26	Received: 09/08/03 12:00							
Lead	57	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#44 (T300961-36) Soil	Sampled: 09/05/03 11:27	Received: 09/08/03 12:00							
Lead	710	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	

SunStar Laboratories, Inc.



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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#45 (T300961-37) Soil	Sampled: 09/05/03 11:29	Received: 09/08/03 12:00							
Lead	380	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#46 (T300961-38) Soil	Sampled: 09/05/03 11:30	Received: 09/08/03 12:00							
Lead	630	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#47 (T300961-39) Soil	Sampled: 09/05/03 11:38	Received: 09/08/03 12:00							
Lead	27	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#48 (T300961-40) Soil	Sampled: 09/05/03 12:00	Received: 09/08/03 12:00							
Lead	8.1	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#49 (T300961-41) Soil	Sampled: 09/05/03 12:08	Received: 09/08/03 12:00							
Lead	20	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#50 (T300961-42) Soil	Sampled: 09/05/03 12:11	Received: 09/08/03 12:00							
Lead	27	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#51 (T300961-43) Soil	Sampled: 09/05/03 12:16	Received: 09/08/03 12:00							
Lead	12	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#52 (T300961-44) Soil	Sampled: 09/05/03 12:21	Received: 09/08/03 12:00							
Lead	14	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#53 (T300961-45) Soil	Sampled: 09/05/03 12:27	Received: 09/08/03 12:00							
Lead	1200	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	

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Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
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TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#54 (T300961-46) Soil Sampled: 09/05/03 12:30 Received: 09/08/03 12:00									
Lead	37	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#55A (T300961-47) Soil Sampled: 09/05/03 12:32 Received: 09/08/03 12:00									
Lead	8.2	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#55B (T300961-48) Soil Sampled: 09/05/03 12:34 Received: 09/08/03 12:00									
Lead	50	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#55C (T300961-49) Soil Sampled: 09/05/03 12:35 Received: 09/08/03 12:00									
Lead	81	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#55D (T300961-50) Soil Sampled: 09/05/03 12:38 Received: 09/08/03 12:00									
Lead	89	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#56 (T300961-51) Soil Sampled: 09/05/03 13:00 Received: 09/08/03 12:00									
Lead	10	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#57 (T300961-52) Soil Sampled: 09/05/03 13:05 Received: 09/08/03 12:00									
Lead	3.5	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#58 (T300961-53) Soil Sampled: 09/05/03 13:10 Received: 09/08/03 12:00									
Lead	4.6	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#59 (T300961-54) Soil Sampled: 09/05/03 13:15 Received: 09/08/03 12:00									
Lead	3.8	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	

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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#60 (T300961-55) Soil	Sampled: 09/05/03 13:20	Received: 09/08/03 12:00							
Lead	17	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#61 (T300961-56) Soil	Sampled: 09/05/03 13:22	Received: 09/08/03 12:00							
Lead	89	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#62 (T300961-57) Soil	Sampled: 09/05/03 13:24	Received: 09/08/03 12:00							
Lead	120	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#63A (T300961-58) Soil	Sampled: 09/05/03 13:26	Received: 09/08/03 12:00							
Lead	32	3.0	mg/kg	1	3090902	09/09/03	09/10/03	EPA 6010B	
#63B (T300961-59) Soil	Sampled: 09/05/03 13:28	Received: 09/08/03 12:00							
Lead	10	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#63C (T300961-60) Soil	Sampled: 09/05/03 13:29	Received: 09/08/03 12:00							
Lead	3.9	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#63D (T300961-61) Soil	Sampled: 09/05/03 13:30	Received: 09/08/03 12:00							
Lead	76	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#64 (T300961-62) Soil	Sampled: 09/05/03 14:05	Received: 09/08/03 12:00							
Lead	59	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#65 (T300961-63) Soil	Sampled: 09/05/03 14:08	Received: 09/08/03 12:00							
Lead	56	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	

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Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
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TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#66 (T300961-64) Soil	Sampled: 09/05/03 14:15	Received: 09/08/03 12:00							
Lead	230	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#67 (T300961-65) Soil	Sampled: 09/05/03 14:20	Received: 09/08/03 12:00							
Lead	100	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#68 (T300961-66) Soil	Sampled: 09/05/03 14:10	Received: 09/08/03 12:00							
Lead	560	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#69 (T300961-67) Soil	Sampled: 09/05/03 14:12	Received: 09/08/03 12:00							
Lead	550	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#70 (T300961-68) Soil	Sampled: 09/05/03 14:25	Received: 09/08/03 12:00							
Lead	3.8	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#71 (T300961-69) Soil	Sampled: 09/05/03 14:30	Received: 09/08/03 12:00							
Lead	ND	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
EB-1 (T300961-70) Water	Sampled: 09/05/03 12:55	Received: 09/08/03 12:00							
Lead	ND	50	ug/l	1	3090901	09/09/03	09/09/03	EPA 6010B	
#A (T300961-71) Soil	Sampled: 09/05/03 00:00	Received: 09/08/03 12:00							
Lead	370	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	
#B (T300961-72) Soil	Sampled: 09/05/03 00:00	Received: 09/08/03 12:00							
Lead	30	3.0	mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B	

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Project: 559-36023
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Project Manager: Valerie Marshall

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TTLRC RCRA Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#C (T300961-73) Soil	Sampled: 09/05/03 00:00	Received: 09/08/03 12:00							
Lead	95	3.0 mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B		
#D (T300961-74) Soil	Sampled: 09/05/03 00:00	Received: 09/08/03 12:00							
Lead	18	3.0 mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B		
#E (T300961-75) Soil	Sampled: 09/05/03 00:00	Received: 09/08/03 12:00							
Lead	6.0	3.0 mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B		
#F (T300961-76) Soil	Sampled: 09/05/03 00:00	Received: 09/08/03 12:00							
Lead	94	3.0 mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B		
#G (T300961-77) Soil	Sampled: 09/05/03 00:00	Received: 09/08/03 12:00							
Lead	3.3	3.0 mg/kg	1	3090902	09/09/03	09/11/03	EPA 6010B		

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Project: 559-36023
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STLC Metals by 6000/7000 Series Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#7 (T300961-02) Soil Sampled: 09/05/03 09:25 Received: 09/08/03 12:00									
Lead	23	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#8 (T300961-03) Soil Sampled: 09/05/03 09:28 Received: 09/08/03 12:00									
Lead	3.2	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#9 (T300961-04) Soil Sampled: 09/05/03 09:30 Received: 09/08/03 12:00									
Lead	0.93	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#10 (T300961-05) Soil Sampled: 09/05/03 09:35 Received: 09/08/03 12:00									
Lead	0.60	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#11 (T300961-06) Soil Sampled: 09/05/03 09:36 Received: 09/08/03 12:00									
Lead	3.2	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#12 (T300961-07) Soil Sampled: 09/05/03 09:37 Received: 09/08/03 12:00									
Lead	1.1	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#1 (T300961-08) Soil Sampled: 09/05/03 09:40 Received: 09/08/03 12:00									
Lead	2.3	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#2 (T300961-09) Soil Sampled: 09/05/03 09:42 Received: 09/08/03 12:00									
Lead	0.23	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#3 (T300961-10) Soil Sampled: 09/05/03 09:43 Received: 09/08/03 12:00									
Lead	1.3	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

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STLC Metals by 6000/7000 Series Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#4 (T300961-11) Soil	Sampled: 09/05/03 09:45	Received: 09/08/03 12:00							
Lead	11	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#5 (T300961-12) Soil	Sampled: 09/05/03 09:46	Received: 09/08/03 12:00							
Lead	2.3	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#6 (T300961-13) Soil	Sampled: 09/05/03 09:48	Received: 09/08/03 12:00							
Lead	8.0	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#32 (T300961-14) Soil	Sampled: 09/05/03 09:58	Received: 09/08/03 12:00							
Lead	3.8	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#33 (T300961-15) Soil	Sampled: 09/05/03 10:00	Received: 09/08/03 12:00							
Lead	0.13	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#34 (T300961-16) Soil	Sampled: 09/05/03 10:05	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#35 (T300961-17) Soil	Sampled: 09/05/03 10:15	Received: 09/08/03 12:00							
Lead	0.33	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#36 (T300961-18) Soil	Sampled: 09/05/03 10:16	Received: 09/08/03 12:00							
Lead	5.9	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#37 (T300961-19) Soil	Sampled: 09/05/03 10:18	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

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STLC Metals by 6000/7000 Series Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#38 (T300961-20) Soil	Sampled: 09/05/03 10:20	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#39 (T300961-21) Soil	Sampled: 09/05/03 10:27	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#22 (T300961-22) Soil	Sampled: 09/05/03 10:35	Received: 09/08/03 12:00							
Lead	0.56	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#23 (T300961-23) Soil	Sampled: 09/05/03 10:38	Received: 09/08/03 12:00							
Lead	1.7	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#24 (T300961-24) Soil	Sampled: 09/05/03 10:42	Received: 09/08/03 12:00							
Lead	5.4	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#25 (T300961-25) Soil	Sampled: 09/05/03 10:44	Received: 09/08/03 12:00							
Lead	1.4	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#26 (T300961-26) Soil	Sampled: 09/05/03 10:46	Received: 09/08/03 12:00							
Lead	2.1	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#27 (T300961-27) Soil	Sampled: 09/05/03 10:47	Received: 09/08/03 12:00							
Lead	1.7	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#28 (T300961-28) Soil	Sampled: 09/05/03 10:48	Received: 09/08/03 12:00							
Lead	0.80	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#29 (T300961-29) Soil	Sampled: 09/05/03 10:50		Received: 09/08/03 12:00						
Lead	3.1	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#30 (T300961-30) Soil	Sampled: 09/05/03 10:53		Received: 09/08/03 12:00						
Lead	3.2	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#31 (T300961-31) Soil	Sampled: 09/05/03 10:55		Received: 09/08/03 12:00						
Lead	4.2	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#40 (T300961-32) Soil	Sampled: 09/05/03 11:20		Received: 09/08/03 12:00						
Lead	44	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#41 (T300961-33) Soil	Sampled: 09/05/03 11:22		Received: 09/08/03 12:00						
Lead	15	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#42 (T300961-34) Soil	Sampled: 09/05/03 11:24		Received: 09/08/03 12:00						
Lead	15	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#43 (T300961-35) Soil	Sampled: 09/05/03 11:26		Received: 09/08/03 12:00						
Lead	0.61	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#44 (T300961-36) Soil	Sampled: 09/05/03 11:27		Received: 09/08/03 12:00						
Lead	22	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#45 (T300961-37) Soil	Sampled: 09/05/03 11:29		Received: 09/08/03 12:00						
Lead	9.5	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

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STLC Metals by 6000/7000 Series Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#46 (T300961-38) Soil	Sampled: 09/05/03 11:30	Received: 09/08/03 12:00							
Lead	14	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#47 (T300961-39) Soil	Sampled: 09/05/03 11:38	Received: 09/08/03 12:00							
Lead	0.40	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#48 (T300961-40) Soil	Sampled: 09/05/03 12:00	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#49 (T300961-41) Soil	Sampled: 09/05/03 12:08	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#50 (T300961-42) Soil	Sampled: 09/05/03 12:11	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#51 (T300961-43) Soil	Sampled: 09/05/03 12:16	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#52 (T300961-44) Soil	Sampled: 09/05/03 12:21	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#53 (T300961-45) Soil	Sampled: 09/05/03 12:27	Received: 09/08/03 12:00							
Lead	14	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#54 (T300961-46) Soil	Sampled: 09/05/03 12:30	Received: 09/08/03 12:00							
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#55A (T300961-47) Soil Sampled: 09/05/03 12:32 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#55B (T300961-48) Soil Sampled: 09/05/03 12:34 Received: 09/08/03 12:00									
Lead	1.2	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#55C (T300961-49) Soil Sampled: 09/05/03 12:35 Received: 09/08/03 12:00									
Lead	1.2	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#55D (T300961-50) Soil Sampled: 09/05/03 12:38 Received: 09/08/03 12:00									
Lead	1.3	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#56 (T300961-51) Soil Sampled: 09/05/03 13:00 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#57 (T300961-52) Soil Sampled: 09/05/03 13:05 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#58 (T300961-53) Soil Sampled: 09/05/03 13:10 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#59 (T300961-54) Soil Sampled: 09/05/03 13:15 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#60 (T300961-55) Soil Sampled: 09/05/03 13:20 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

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STLC Metals by 6000/7000 Series Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#61 (T300961-56) Soil Sampled: 09/05/03 13:22 Received: 09/08/03 12:00									
Lead	0.43	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#62 (T300961-57) Soil Sampled: 09/05/03 13:24 Received: 09/08/03 12:00									
Lead	0.74	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#63A (T300961-58) Soil Sampled: 09/05/03 13:26 Received: 09/08/03 12:00									
Lead	0.40	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#63B (T300961-59) Soil Sampled: 09/05/03 13:28 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#63C (T300961-60) Soil Sampled: 09/05/03 13:29 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#63D (T300961-61) Soil Sampled: 09/05/03 13:30 Received: 09/08/03 12:00									
Lead	1.4	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#64 (T300961-62) Soil Sampled: 09/05/03 14:05 Received: 09/08/03 12:00									
Lead	1.7	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#65 (T300961-63) Soil Sampled: 09/05/03 14:08 Received: 09/08/03 12:00									
Lead	0.98	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#66 (T300961-64) Soil Sampled: 09/05/03 14:15 Received: 09/08/03 12:00									
Lead	5.6	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach
3960 Gilman Street
Long Beach CA. 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

STLC Metals by 6000/7000 Series Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#67 (T300961-65) Soil	Sampled: 09/05/03 14:20		Received: 09/08/03 12:00						
Lead	4.7	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#68 (T300961-66) Soil	Sampled: 09/05/03 14:10		Received: 09/08/03 12:00						
Lead	17	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#69 (T300961-67) Soil	Sampled: 09/05/03 14:12		Received: 09/08/03 12:00						
Lead	12	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#70 (T300961-68) Soil	Sampled: 09/05/03 14:25		Received: 09/08/03 12:00						
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#71 (T300961-69) Soil	Sampled: 09/05/03 14:30		Received: 09/08/03 12:00						
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#A (T300961-71) Soil	Sampled: 09/05/03 00:00		Received: 09/08/03 12:00						
Lead	5.4	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#B (T300961-72) Soil	Sampled: 09/05/03 00:00		Received: 09/08/03 12:00						
Lead	0.53	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#C (T300961-73) Soil	Sampled: 09/05/03 00:00		Received: 09/08/03 12:00						
Lead	3.6	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#D (T300961-74) Soil	Sampled: 09/05/03 00:00		Received: 09/08/03 12:00						
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

SunStar Laboratories, Inc.

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Ben Beauchaine For John Shepler, Laboratory Director

PSI - Long Beach
3960 Gilman Street
Long Beach CA. 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

STLC Metals by 6000/7000 Series Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
#E (T300961-75) Soil Sampled: 09/05/03 00:00 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#F (T300961-76) Soil Sampled: 09/05/03 00:00 Received: 09/08/03 12:00									
Lead	0.76	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	
#G (T300961-77) Soil Sampled: 09/05/03 00:00 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091303	09/10/03	09/17/03	STLC EPA 6010A	

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PSI - Long Beach
3960 Gilman Street
Long Beach C.A. 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

Conventional Chemistry Parameters by APHA/EPA Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#10 (T300961-05) Soil	Sampled: 09/05/03 09:35	Received: 09/08/03 12:00							
pH	7.2		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	
#3 (T300961-10) Soil	Sampled: 09/05/03 09:43	Received: 09/08/03 12:00							
pH	7.2		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	
#35 (T300961-17) Soil	Sampled: 09/05/03 10:15	Received: 09/08/03 12:00							
pH	7.3		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	
#36 (T300961-18) Soil	Sampled: 09/05/03 10:16	Received: 09/08/03 12:00							
pH	6.6		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	
#40 (T300961-32) Soil	Sampled: 09/05/03 11:20	Received: 09/08/03 12:00							
pH	6.2		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	
#48 (T300961-40) Soil	Sampled: 09/05/03 12:00	Received: 09/08/03 12:00							
pH	6.1		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	
#53 (T300961-45) Soil	Sampled: 09/05/03 12:27	Received: 09/08/03 12:00							
pH	6.6		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	
#57 (T300961-52) Soil	Sampled: 09/05/03 13:05	Received: 09/08/03 12:00							
pH	6.8		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	
#63C (T300961-60) Soil	Sampled: 09/05/03 13:29	Received: 09/08/03 12:00							
pH	6.9		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

Conventional Chemistry Parameters by APHA/EPA Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#64 (T300961-62) Soil Sampled: 09/05/03 14:05 Received: 09/08/03 12:00									
pH	6.8		pH Units	1	3091708	09/08/03	09/08/03	EPA 9045B	

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach
 3960 Gilman Street
 Long Beach CA. 90815

Project: 559-36023
 Project Number: 559-36023
 Project Manager: Valerie Marshall

Reported:
 9/17/03

TTLRC RCRA Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3090901 - EPA 3020A								
Blank (3090901-BLK1)								
Lead	ND	50 ug/l						Prepared & Analyzed: 09/09/03
LCS (3090901-BS1)								
Lead	1220	50 ug/l	1050		116 75-125			Prepared & Analyzed: 09/09/03
Matrix Spike (3090901-MS1)								
Lead	1310	50 ug/l	1050	ND	125 75-125			Source: T300961-01 Prepared & Analyzed: 09/09/03
Matrix Spike Dup (3090901-MSD1)								
Lead	1140	50 ug/l	1050	ND	109 75-125	13.9	30	Prepared & Analyzed: 09/09/03
Batch 3090902 - EPA 3020A								
Blank (3090902-BLK1)								
Lead	ND	3.0 mg/kg						Prepared: 09/09/03 Analyzed: 09/10/03
Blank (3090902-BLK2)								
Lead	ND	3.0 mg/kg						Prepared: 09/09/03 Analyzed: 09/10/03
Blank (3090902-BLK3)								
Lead	ND	3.0 mg/kg						Prepared: 09/09/03 Analyzed: 09/10/03
Blank (3090902-BLK4)								
Lead	ND	3.0 mg/kg						Prepared: 09/09/03 Analyzed: 09/11/03
LCS (3090902-BS1)								
Lead	106	3.0 mg/kg	100		106 75-125			Prepared: 09/09/03 Analyzed: 09/10/03

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach
 3960 Gilman Street
 Long Beach CA, 90815

Project: 559-36023
 Project Number: 559-36023
 Project Manager: Valerie Marshall

Reported:
 9/17/03

TTLRC RCRA Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3090902 - EPA 3020A									
LCS (3090902-BS2)				Prepared: 09/09/03	Analyzed: 09/10/03				
Lead	110	3.0 mg/kg	100		110	75-125			
LCS (3090902-BS3)				Prepared: 09/09/03	Analyzed: 09/10/03				
Lead	106	3.0 mg/kg	100		106	75-125			
LCS (3090902-BS4)				Prepared: 09/09/03	Analyzed: 09/11/03				
Lead	102	3.0 mg/kg	100		102	75-125			
LCS Dup (3090902-BSD1)				Prepared: 09/09/03	Analyzed: 09/11/03				
Lead	100	3.0 mg/kg	100		100	75-125	5.83	30	
Matrix Spike (3090902-MS1)		Source: T300961-02		Prepared: 09/09/03	Analyzed: 09/10/03				
Lead	1400	3.0 mg/kg	100	1400	0.00	65-135			QM-4X
Matrix Spike (3090902-MS2)		Source: T300961-25		Prepared: 09/09/03	Analyzed: 09/11/03				
Lead	317	3.0 mg/kg	100	210	107	65-135			
Matrix Spike (3090902-MS3)		Source: T300961-47		Prepared: 09/09/03	Analyzed: 09/10/03				
Lead	144	3.0 mg/kg	100	8.2	136	65-135			QM-05
Matrix Spike (3090902-MS4)		Source: T300961-67		Prepared: 09/09/03	Analyzed: 09/11/03				
Lead	596	3.0 mg/kg	100	550	46.0	65-135			QM-05, QM-4X
Matrix Spike Dup (3090902-MSD1)		Source: T300961-02		Prepared: 09/09/03	Analyzed: 09/10/03				
Lead	1740	3.0 mg/kg	100	1400	340	65-135	21.7	30	QM-4X
Matrix Spike Dup (3090902-MSD2)		Source: T300961-25		Prepared: 09/09/03	Analyzed: 09/11/03				
Lead	275	3.0 mg/kg	100	210	65.0	65-135	14.2	30	

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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

TTLRC RCRA Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3090902 - EPA 3020A								
Matrix Spike Dup (3090902-MSD3)	Source: T300961-47		Prepared: 09/09/03 Analyzed: 09/10/03					
Lead	136	3.0 mg/kg	100	8.2	128 65-135	5.71	30	
Matrix Spike Dup (3090902-MSD4)	Source: T300961-67		Prepared: 09/09/03 Analyzed: 09/11/03					
Lead	564	3.0 mg/kg	100	550	14.0 65-135	5.52	30	QM-4X

SunStar Laboratories, Inc.



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PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/17/03

STLC Metals by 6000/7000 Series Methods - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3091303 - Title 22-STLC									
Blank (3091303-BLK1)									
Lead	ND	0.10 mg/l							Prepared: 09/10/03 Analyzed: 09/17/03
Blank (3091303-BLK2)									
Lead	ND	0.10 mg/l							Prepared: 09/10/03 Analyzed: 09/17/03
Blank (3091303-BLK3)									
Lead	ND	0.10 mg/l							Prepared: 09/10/03 Analyzed: 09/17/03
Blank (3091303-BLK4)									
Lead	ND	0.10 mg/l							Prepared: 09/10/03 Analyzed: 09/17/03
LCS (3091303-BS1)									
Lead	2.41	0.10 mg/l		2.00	120	75-125			Prepared: 09/10/03 Analyzed: 09/17/03
LCS (3091303-BS2)									
Lead	2.39	0.10 mg/l		2.00	120	75-125			Prepared: 09/10/03 Analyzed: 09/17/03
Matrix Spike (3091303-MS1)									
Lead	2.46	0.10 mg/l		2.00	0.23	112	75-125		Source: T300961-09 Prepared: 09/10/03 Analyzed: 09/17/03
Matrix Spike (3091303-MS2)									
Lead	2.80	0.10 mg/l		2.00	0.80	100	75-125		Source: T300961-28 Prepared: 09/10/03 Analyzed: 09/17/03
Matrix Spike (3091303-MS3)									
Lead	3.67	0.10 mg/l		2.00	1.2	124	75-125		Source: T300961-48 Prepared: 09/10/03 Analyzed: 09/17/03
Matrix Spike (3091303-MS4)									
Lead	2.85	0.10 mg/l		2.00	0.76	104	75-125		Source: T300961-76 Prepared: 09/10/03 Analyzed: 09/17/03

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
 1014 E. Cuddy Cr., Suite A, Colton, CA 92324 (909) 370-0667 FAX (909) 370-1046
 727 Heyvenhurst, Suite B-12, Van Nuys, CA 91406 (818) 778-1844 FAX (818) 778-1843
 9500 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0943 FAX (480) 785-0851
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9696 FAX (619) 505-9689

T300961

CHAIN OF CUSTODY FORM

Client Name/Address:		Project/PO Number:		Analysis Required		Special Instructions	
PSI		559.36023		3050			
Project Manager: U. Marshall		Phone Number: 562.597.3977		9045			
Sampler: M. Sills		Fax Number:		7000			
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	
#33	Soil	Jar	1	9/5/03	1000	None	
#34					1005		
#35					1015		
#36					1016		
#37					1018		
#38					1020		
#39					1027		
#22					1035		
#23					1038		
#24					1042		
#25					1044		
#26					1046		
#27					1047		
#28					1048		
Relinquished By: [Signature]		Date/Time: 9.8.03 @ 12N		Received by: [Signature]		Date/Time: 9/8/03	
Relinquished By:		Date/Time:		Received by:		Date/Time:	
Relinquished By:		Date/Time:		Received in Lab by:		Date/Time:	
				Turnaround Time: (Check)		Sample Integrity: (Check)	
				same day		72 hours	
				24 hours		5 days	
				48 hours		normal	
				intact		on ice	

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.



2811 N. Main Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
 1014 E. Coulter Dr., Suite A, Colton, CA 92324 (909) 370-4697 FAX (909) 370-1046
 7277 Hayvenhurst, Suite B-12, Van Nuys, CA 91406 (818) 775-1844 FAX (818) 778-1843
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9598 FAX (619) 505-9689

T300961

CHAIN OF CUSTODY FORM

Client Name/Address:		Project/PO Number:		Analysis Required		Special Instructions
PSI		559-36023				
Project Manager: V. Marinova		Phone Number: 562-597-3977				
Sampler: M. Sices		Fax Number:				
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives
#29	Soil	Jar	1	9/5/03	1050	None
#30					1053	
#31					1055	
#32					1120	
#33					1122	
#34					1124	
#35					1126	
#36					1127	
#37					1129	
#38					1130	
#39					1138	
#40					1200	
#41					1208	
#42					1211	
Relinquished By: <i>[Signature]</i>		Date/Time:	9.8.03 @ 12N	Received by: <i>[Signature]</i>	Date/Time:	9/8/03 12:00
Relinquished By:		Date/Time:		Received by:	Date/Time:	
Relinquished By:		Date/Time:		Received in Lab by:	Date/Time:	
				Turnaround Time: (Check)	72 hours	on ice
				same day	5 days	intact
				24 hours	normal	
				48 hours		

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281/2 Allon Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4567 FAX (909) 370-1046
 7277 Hayvenhurst, Suite B-12, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
 9630 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-9595 FAX (858) 505-9889

J300961

CHAIN OF CUSTODY FORM

Client Name/Address:		Project/PO Number:		Analysis Required										Special Instructions					
PSI		559-36023																	
Project Manager:		Phone Number:		Sample Description		Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	6010	7000	9045	3050				
V. MARSHALL		562-597-3979																	
Sampler: M. SILL		Fax Number:																	
43	#51	SOIL	SAL	1	9/5/03	1216	None				X	X							
44	#52					1221													
49	#53					1227								X					
46	#54					1230													
47	#55A					1232													
49	#55B					1234													
49	#55C					1235													
50	#55D					1238													
51	#56					1300													
52	#57					1305								X					
53	#58					1310													
54	#59					1315													
55	#60					1320													
56	#61					1322													

Relinquished By: <i>[Signature]</i>	Date/Time: 9-8-03 @ 12N	Received by: <i>[Signature]</i>	Date/Time: 9/8/03 12:00	Turnaround Time: (Check) same day _____ 72 hours _____ 24 hours _____ 5 days _____ 48 hours <input checked="" type="checkbox"/> normal _____
Relinquished By:	Date/Time:	Received by:	Date/Time:	
Relinquished By:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity: (Check) Intact _____ on ice _____

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

T300961

CHAIN OF CUSTODY FORM

Client Name/Address: RFI		Project/PO Number: 559-36023		Analysis Required							
Project Manager: U. MARSHALL		Phone Number: 562-597-3977									
Sampler: M. Sillis		Fax Number:									
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	6010	7000	9045	3050	Special Instructions
57 #62	SOIL	JAR	1	9/5/03	1324	NONE	X	X			
58 #63A					1326						
59 #63B					1328						
60 #63C					1329				X		
61 #63D					1336						
62 #64					1405				X		
63 #65					1408						
64 #66					1415						
65 #67					1426						
66 #68					1410						
67 #69					1412						
68 #70					1425						
69 #71					1430						
70 EB-1	H2O	500ml	1		1255	HNO3	✓	✓			
Relinquished By: <i>[Signature]</i>		Date/Time: 9-8-03 @ 2:00		Received by: <i>[Signature]</i>		Date/Time: 9/8/03 12:00		Turnaround Time: (Check)			
Relinquished By:		Date/Time:		Received by:		Date/Time:		same day _____ 72 hours _____			
Relinquished By:		Date/Time:		Received in Lab by:		Date/Time:		24 hours _____ 5 days _____			
Relinquished By:		Date/Time:		Received in Lab by:		Date/Time:		48 hours <input checked="" type="checkbox"/> normal _____			
Relinquished By:		Date/Time:		Received in Lab by:		Date/Time:		Sample Integrity: (Check)			
Relinquished By:		Date/Time:		Received in Lab by:		Date/Time:		intact _____ on ice _____			

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.



Del Mar Analytical

2857 Allon Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
 1014 E. Cooley Ln., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 7277 Hayvenhurst, Suite 11-12, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 765-0043 FAX (480) 765-0851
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-9598 FAX (858) 505-9689

T300961

CHAIN OF CUSTODY FORM

Client Name/Address: PSI				Project/PO Number: 559-36023				Analysis Required							
Project Manager: V. MARSHALL				Phone Number: 562-597-3977				6010	7000	9045	3050				
Sampler: M. SILL				Fax Number:											
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives					Special Instructions				
71 #A	Soil	JAR	1	9/5/03	N/A	NONE	X	X							
72 #B	↓	↓	↓	↓	↓	↓	↓	↓							
73 #C	↓	↓	↓	↓	↓	↓	↓	↓							
74 #D	↓	↓	↓	↓	↓	↓	↓	↓							
75 #E	↓	↓	↓	↓	↓	↓	↓	↓							
76 #F	↓	↓	↓	↓	↓	↓	↓	↓							
77 #G	↓	↓	↓	↓	↓	↓	↓	↓							
[Empty Box]						[Empty Box]									
Relinquished By: <i>[Signature]</i>				Date/Time: 9-8-03 @ 12N				Received by: <i>[Signature]</i>				Date/Time: 9/8/03 12:00			
Relinquished By:				Date/Time:				Received by:				Date/Time:			
Relinquished By:				Date/Time:				Received in Lab by:				Date/Time:			
Turnaround Time: (Check)															
same day				72 hours											
24 hours				5 days											
48 hours				normal											
Sample Integrity: (Check)															
Intact _____ on ice _____															

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

19 September 2003

Valerie Marshall
PSI - Long Beach
3960 Gilman Street
Long Beach, CA 90815
RE: 559-36023

Enclosed are the results of analyses for samples received by the laboratory on 09/08/03 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Ben Beauchaine For John Shepler
Laboratory Director

PSI - Long Beach
3960 Gilman Street
Long Beach CA, 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/19/03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#7	T300961-02	Soil	9/5/03	9/8/03
#4	T300961-11	Soil	9/5/03	9/8/03
#6	T300961-13	Soil	9/5/03	9/8/03
#36	T300961-18	Soil	9/5/03	9/8/03
#24	T300961-24	Soil	9/5/03	9/8/03
#40	T300961-32	Soil	9/5/03	9/8/03
#41	T300961-33	Soil	9/5/03	9/8/03
#42	T300961-34	Soil	9/5/03	9/8/03
#44	T300961-36	Soil	9/5/03	9/8/03
#45	T300961-37	Soil	9/5/03	9/8/03
#46	T300961-38	Soil	9/5/03	9/8/03
#53	T300961-45	Soil	9/5/03	9/8/03
#66	T300961-64	Soil	9/5/03	9/8/03
#67	T300961-65	Soil	9/5/03	9/8/03
#68	T300961-66	Soil	9/5/03	9/8/03
#69	T300961-67	Soil	9/5/03	9/8/03
#A	T300961-71	Soil	9/5/03	9/8/03

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ben Beauchaine For John Shepler, Laboratory Director

PSI - Long Beach 3960 Gilman Street Long Beach CA, 90815	Project: 559-36023 Project Number: 559-36023 Project Manager: Valerie Marshall	Reported: 9/19/03
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SPLP Metals by 6000/7000 Series Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#7 (T300961-02) Soil Sampled: 09/05/03 09:25 Received: 09/08/03 12:00									
Lead	0.25	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#4 (T300961-11) Soil Sampled: 09/05/03 09:45 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#6 (T300961-13) Soil Sampled: 09/05/03 09:48 Received: 09/08/03 12:00									
Lead	0.17	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#36 (T300961-18) Soil Sampled: 09/05/03 10:16 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#24 (T300961-24) Soil Sampled: 09/05/03 10:42 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#40 (T300961-32) Soil Sampled: 09/05/03 11:20 Received: 09/08/03 12:00									
Lead	0.19	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#41 (T300961-33) Soil Sampled: 09/05/03 11:22 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#42 (T300961-34) Soil Sampled: 09/05/03 11:24 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#44 (T300961-36) Soil Sampled: 09/05/03 11:27 Received: 09/08/03 12:00									
Lead	0.13	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	

SunStar Laboratories, Inc.

Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach 3960 Gilman Street Long Beach CA, 90815	Project: 559-36023 Project Number: 559-36023 Project Manager: Valerie Marshall	Reported: 9/19/03
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SPLP Metals by 6000/7000 Series Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
#45 (T300961-37) Soil Sampled: 09/05/03 11:29 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#46 (T300961-38) Soil Sampled: 09/05/03 11:30 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#53 (T300961-45) Soil Sampled: 09/05/03 12:27 Received: 09/08/03 12:00									
Lead	0.60	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#66 (T300961-64) Soil Sampled: 09/05/03 14:15 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#67 (T300961-65) Soil Sampled: 09/05/03 14:20 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#68 (T300961-66) Soil Sampled: 09/05/03 14:10 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#69 (T300961-67) Soil Sampled: 09/05/03 14:12 Received: 09/08/03 12:00									
Lead	ND	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	
#A (T300961-71) Soil Sampled: 09/05/03 00:00 Received: 09/08/03 12:00									
Lead	0.28	0.10	mg/l	1	3091902	09/19/03	09/19/03	EPA 6010B/1312	

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach Project: 559-36023
3960 Gilman Street Project Number: 559-36023 Reported:
Long Beach CA. 90815 Project Manager: Valerie Marshall 9/19/03

SPLP Metals by 6000/7000 Series Methods - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3091902 - EPA 3020A

Blank (3091902-BLK1)

Prepared & Analyzed: 09/19/03

Lead ND 0.10 mg/l

SunStar Laboratories, Inc.



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Ben Beauchaine For John Sheper, Laboratory Director

PSI - Long Beach 3960 Gilman Street Long Beach CA. 90815	Project: 559-36023 Project Number: 559-36023 Project Manager: Valerie Marshall	Reported: 9/19/03
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SPLP Metals by 6000/7000 Series Methods - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3091902 - EPA 3020A

LCS (3091902-BS1)

Prepared & Analyzed: 09/19/03

Lead	1.08	0.10 mg/l	1.05		1.03	75-125		
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SunStar Laboratories, Inc.



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Ben Beauchaine For John Shepler, Laboratory Director

PST - Long Beach
3960 Gilman Street
Long Beach CA. 90815

Project: 559-36023
Project Number: 559-36023
Project Manager: Valerie Marshall

Reported:
9/19/03

SPLP Metals by 6000/7000 Series Methods - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Smrcc Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3091902 - EPA 3020A									
LCS Dup (3091902-BSD1)									
Lead	0.945	0.10 mg/l	1.05		90.0	75-125	13.3	50	

Prepared & Analyzed: 09/19/03

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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PSI - Long Beach	Project: 559-36023	Reported:
3960 Gilman Street	Project Number: 559-36023	
Long Beach CA, 90815	Project Manager: Valerie Marshall	9/19/03

Notes and Definitions

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

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