FOR CONTRACT No.: 07-4Y8104
PROJECT ID: 0700020036

# INFORMATION HANDOUT

# SITE INVESTIGATION REPORT

Prepared for:
OFFICE OF ENVIRONMENTAL ENGINEERING FEASIBILITY STUDIES CALTRANS, DISTRICT 7

Prepared by
NINYO & MOORE GEOTECHNICAL AND ENVIRONMENTAL SCIENCES CONSULTANTS
9272 JERONIMO ROAD, SUITE 123A
IRVINE, CALIFORNIA 92618
July 2, 2001
Project No. 202887001

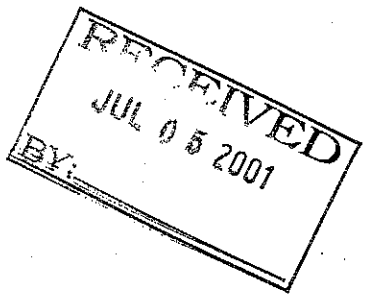
**ROUTE: 07-LA-10, 164-28.5/46.7, 4.9.-Various Locations**
**PROJECT ID: 0700020036**

# SITE INVESTIGATION REPORT
# INTERSTATE 10 FREEWAY WIDENING
# KILOMETER POST 45.1 TO 51.6
# EL MONTE AND BALDWIN PARK, CALIFORNIA
# TASK ORDER NO. 07-106951-8H
# CONTRACT NO. 43A0012

**PREPARED FOR:**
Office of Environmental Engineering Feasibility Studies
Caltrans, District 7
120 South Spring Street, 3-4G
Los Angeles, California 90012-3606

**PREPARED BY:**
Ninyo & Moore Geotechnical and Environmental Sciences Consultants
9272 Jeronimo Road, Suite 123A
Irvine, California 92618

APPROVED

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Mr. Steve Chan
Office of Environmental Engineering and Feasibility Studies
Caltrans, District 7
120 South Spring Street, 3-4G
Los Angeles, California 90012-3606

Subject: Site Investigation Report
Interstate 10 Freeway Widening
Kilometer Post 45.1 to 51.6
El Monte and Baldwin Park, California
Task Order No. 07-106951-8H
Contract No. 43A0012

Dear Mr. Chan:

In accordance with Caltrans Contract No. 43A0012, Task Order No. 07-106951-8H, and our workplan dated February 28, 2001, Ninyo & Moore has conducted a Site Investigation at the above-referenced site. Our scope of services included lead sampling as well as surface water and sediment sampling. The following report documents our methodologies, findings, and conclusions.

We appreciate the opportunity to be of service to you on this project. Should you have any questions, please contact the undersigned at your convenience.

Sincerely,
**NINYO & MOORE**

Stephen S. Reese
Senior Staff Environmental Scientist

for Frank Gugger
Senior Staff Environmental Geologist

David I. Shaler, R.G., R.E.A.
Senior Project Environmental Geologist

SSR/FG/DIS/kl

Distribution: (5) Addressee

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## 1. INVESTIGATIVE SUMMARY

Ninyo & Moore collected approximately 921 soil samples from proposed shoulder widening locations and proposed retaining wall/sound wall locations along eastbound and westbound sides of Route 10 in El Monte and Baldwin Park (Figure 1). Soil samples were collected at the surface, one foot, and two feet below surface grade (bsg) in shoulder and wall locations and also at five feet bsg in wall locations. Approximately 156 of the 921 samples collected contained concentrations of lead which exceeded the 350 milligram per kilogram (mg/kg) limit provided in the September 22, 2000 California Environmental Protection Agency Department of Toxic Substances Control (DTSC) variance to Caltrans District 7 (variance). Approximately 460 samples contained concentrations of lead less than the 1,000 mg/kg, the Total Threshold Limit Concentration (TTLC) for lead, but more than 10 times the California Soluble Threshold Limit Concentration (STLC) for lead, or five milligrams per liter (mg/L). These 460 samples were analyzed for soluble lead by the Waste Extraction Test (WET). Approximately 296 of the 460 samples contained more than 5 mg/L of soluble lead. Each of the 296 samples was subsequently analyzed for soluble lead using the de-ionized water (DI-WET) extraction. Seventeen of these 296 samples contained more than 0.5 mg/L lead by DI-WET.

Surface water samples were collected from the Rio Hondo River to provide data for submittal of an application by Caltrans for a National Pollutant Discharge Elimination System (NPDES) permit. Surface water was not present at the San Gabriel River Channel. Samples were analyzed for acid, base & neutral extractables, total petroleum hydrocarbons (TPH), pH, total dissolved solids (TDS), total suspended solids (TSS), settable solids, turbidity, metals, chlorides, nitrate, sulfate, nitrite, biochemical oxygen demand (BOD), total recoverable hydrocarbons (TRPH), total phenolics, soluble sulfide, oil and grease, purgeable aromatics and purgeable halocarbons. The samples contained elevated concentrations of several metals, including lead.

Sediment samples were collected from beneath the Rio Hondo River and San Gabriel River bridges. Several of the sediment samples contained elevated concentrations of lead.

## 2. PROJECT DESCRIPTION

### 2.1. Site Description

The site comprises approximately 5.1 kilometers of landscaped areas on the shoulders (and on-and-off-ramps) of the eastbound and westbound portions of Route 10 between Baldwin Avenue in the City of El Monte and the Route 10/Route 605 freeway separation in the City of Baldwin Park, Los Angeles County, California (Figure 1). It is our understanding that the project involves shoulder widening, construction of sound and retaining walls and the widening of the Bridges over the Rio Hondo and San Gabriel Rivers and the extension of the bridge abutments.

The site included eight eastbound sections 1E though 8E. As shown on Caltrans Tables 1 and 2 in Appendix A, each of the eight sections was subdivided into a Shoulder Widening section and a corresponding Retaining Wall and Abutment section (a twelfth retaining wall section, 9E, was also included). The locations of the sections are shown on Figures 2 through 13.

The site included three westbound sections 1W though 3W. As shown on Caltrans Tables 1 and 2 in Appendix A, each of the three sections was subdivided into a Shoulder Widening section and a corresponding Retaining Wall and Abutment section. The locations of the sections are shown on Figures 2 through 13

### 2.2. Purpose

The purpose of the Task Order (TO) was to evaluate concentrations aerially deposited lead (ADL) to determine if they exceed acceptable regulatory concentrations along the various shoulders, on and off-ramps and at bridge and overcrossing abutments. In addition, the purpose of the Task Order was to provide chemical data on the surface water and sediment at the Rio Hondo and San Gabriel Rivers to establish baseline conditions for the NPDES requirements and to evaluate proper disposal options for water and sediment, which will be generated during the construction activities at bridges over these rivers.

## 2.3. Limitations

The Lead Site Investigation was conducted in general accordance with Contract No. 43A0012, Task Order No. 07-106951-8H, and our work plan dated February 2001.

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Please note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

Our conclusions, recommendations and opinions are based on an analysis of the observed site conditions and the referenced literature. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

## 2.4. Deviations from the Work Plan

In areas where proposed sampling locations were paved, no samples were collected. In addition, not all proposed samples were collected from some borings due to auger refusal. Each of these instances are listed in Table 1, Exceptions to the TO.

## 3. INVESTIGATIVE METHODS

Work procedures are described in the following sections.

### 3.1. Hand Auger and Mechanical Auger Sampling

Ninyo & Moore completed soil borings using hand augers and a Geoprobe soil sampling rig at the approximate locations shown on Figures 2 through 13. Shoulder widening borings were generally collected alternatively at 5 and 10 feet from the edge of the pavement in areas where planned shoulder widening was 10 feet or wider, and generally 5 feet from the edge of pavement were planned widening was less than 10 feet. Retaining/sound wall samples were collected along the alignments of proposed walls.

Shoulder Widening samples were collected at the surface, one, and two feet bsg except as noted in Table 1 Retaining/Sound wall locations samples were collected at surface, one, two and five feet bsg, except as noted in Table 1. Samples from hand auger borings were placed in pre-cleaned brass sleeves, capped and labeled. Samples from Geoprobe borings were collected in pre-cleaned acetate liners, capped, and labeled.

### 3.2. Surface Water and Sediment Sampling

Four surface water samples (RHR-S-SW-1, RHR-S-SW-2, RHR-N-SW-1, and RHR-N-SW-2) were collected from the Rio Hondo River (Figures 2 and 3). Samples were collected in laboratory supplied containers with appropriate preservatives and placed in a chilled ice chest. Surface water was not present within 50 feet of the San Gabriel River Bridge; therefore, no surface water samples were collected at this location.

Two sediment samples (RHR-S-SED-1 and RHR-S-SED-2) were collected from beneath the Rio Hondo Bridge (Figures 2 and 3). Six sediment samples (SGR-S-SED-1, 2, 3 and SGR-N-SED-1, 2, and 3) were collected from beneath the San Gabriel River Bridge. These samples were collected using a hand shovel, placed in pre-cleaned glass jars, labeled, and placed in a chilled ice chest. Photographs taken during surface water and sediment sampling are included in Appendix B.

### 3.3. Sample Analysis

Soil samples, surface water samples and sediment samples were transferred under chain-of-custody to Associated Laboratories, Inc. (Associated) of Orange, California. Each soil sample was analyzed for total lead by United States Environmental Protection Agency (U.S. EPA) Series 7000 methods. Soil samples containing lead at concentrations greater than 50 mg/kg and less than 1,000 mg/kg total lead were further analyzed for soluble lead utilizing the WET in accordance with U.S. EPA test method 7420. Soil samples containing soluble lead at concentrations exceeding the STLC of 5.0 mg/L were further analyzed for soluble using a DI-WET. Approximately 10 percent of soil samples from each Shoulder Widening and Sound/Retaining Wall Section were analyzed for pH by U.S. EPA test method 9045. The lead and pH results are included in Table 2.

Four randomly selected soil samples were analyzed for CAM metals by U.S. EPA test method 6010. Selected soil samples with concentrations of total lead greater that 1,000 mg/kg are currently being analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) by U.S. EPA method 1311. These results will be provided when available.

Surface water samples were analyzed in accordance with the Supplemental Requirements for NPDES Permit Applications. Surface water analysis included acid, base and neutral extractables by U.S. EPA method 8270C, TPH for gasoline and diesel by U.S. EPA method 8015 modified, pH by U.S. EPA method 150.1, TDS by U.S. EPA method 160.1, TSS by U.S. EPA method 160.2, settleable solids by U.S. EPA method 160.5, turbidity by U.S. EPA method 180.1, total metals by U.S. EPA method 200.7, chlorides and nitrate, nitrite, sulfate by U.S. EPA method 300, BOD by U.S. EPA method 405.1, TRPH by U.S. EPA method 418.1, total phenolics by U.S. EPA method 420.1, soluble sulfide by U.S. EPA method 4500-S, oil and grease by U.S. EPA method 5520B, purgeable aromatics by U.S. EPA method 602 and purgeable halocarbons by U.S. EPA method 601.

Sediment samples were analyzed for volatile organic compounds (VOCs) by U.S. EPA method 8260B, semi-volatile organic compounds (SVOCs) by U.S. EPA method 8270, metals by U.S. EPA method 6010, oil and grease by U.S. EPA method 1664, TPH as gasoline,

diesel, and oil by U.S. EPA method 8015M (modified), Organochlorine Pesticides by U.S. EPA method 8141A, Chlorinated Herbicides by U.S. EPA method 8151A, and fuel oxygenates by U.S. EPA method 8260B.

### 3.4. Global Positioning System (GPS) Data

Soil boring location data (latitude and longitude) and soil sample analytical data will be entered into Caltrans Haz Geographical Information Systems (GIS) excel spreadsheets and presented in Appendix D of the final report.

## 4. INVESTIGATIVE RESULTS – SOIL

Soil (lead and pH) sample analytical results are presented in Table 2. Analytical reports are presented in Appendix E. Soil sample results (lead) are summarized in Table T1 below. pH results ranged from 5.23 to 8.63.

**Table T1 – Summary of Soil Sample Results**

| Location | Number of Samples | TTLC >350 mg/kg | TTLC >50, <1,000 mg/kg | STLC >5 mg/L | DI-WET >0.5 mg/L |
|---|---|---|---|---|---|
| EB Shoulder Widening | 230 | 35 | 125 | 69 | 5 |
| WB Shoulder Widening | 142 | 30 | 68 | 41 | 4 |
| EB Retaining Walls | 311 | 45 | 140 | 89 | 6 |
| WB Retaining Walls | 238 | 46 | 127 | 97 | 2 |
| **Total** | **921** | **156** | **460** | **296** | **17** |

Three samples 8E1-A-1, 1W1-B-1, and 3W2-A-1 were analyzed for CAM metals. Results for these samples revealed no elevated metals concentration with the exception of lead in 8E1-A-1 (3,900 mg/kg, method 6010B) and lead in 1W1-B-1 (104 mg/kg, method 6010B).

## 5. INVESTIGATIVE RESULTS – SURFACE WATER AND SEDIMENT

### Surface Water

The four surface water samples collected from the Rio Hondo River each contained concentrations of one or more metals exceeding the respective State of California Maximum Contaminant Level (MCL) for drinking water as shown in Table T2.

**Table T2 – Metals in Surface Water – Rio Hondo River**

| Sample ID | Cadmium mg/L | Chromium mg/L | Lead mg/L |
|---|---|---|---|
| RHR-S-SW-1 | 0.019 | 0.085 | 0.047 |
| RHR-N-SW-2 | 0.010 | -- | 0.018 |
| RHR-N-SW-1 | -- | -- | 0.022 |
| RHR-S-SW-2 | 0.021 | -- | 0.019 |
| **MCL** | **0.005** | **0.050** | **0.015** |

**Note:**
-- = Does not exceed MCL

Significant concentrations of other contaminants were not revealed in the four surface water samples.

### Sediment

The eight sediment samples (six from the San Gabriel River and two from the Rio Hondo River) did not contain significant concentrations of the analytes tested for, with the exception of lead. Several of the samples contained concentrations of lead exceeding ten times the STLC for lead; RHR-S-SED-1 (260 mg/kg), RHR-S-SED-2 (130 mg/kg), SGR-N-SED-1 (75 mg/kg), and SGR-N-SED-2 (55 mg/kg). Significant concentrations of other contaminants were not contained in the samples.

# 6. STATISTICAL EVALUATION

## 6.1. General

The data analysis package is presented in Appendix C. The data analysis package presents the results of the statistical analyses performed for all 23 locations separately. All locations are divided into surface (SF), 1-, and 2-foot depth layer (shoulder widening section) or SF, 1-, 2- and 5-foot depth layer (Retaining wall sections) and analyzed. For each location also a set of all layers combined was analyzed. The statistical datasets can be found in Tables C-1 through C-78 in Appendix C. In general accordance with the TO, these analyses were done for the 90 percent and 95 percent upper confidence limits (UCLs), one-tailed distribution, using procedures outlined in Chapter 9 of U.S. EPA's SW-846 rather than the Supplemental Guidance to RAGS method described in the contract.

In general, first the mean and variance of the total lead for each dataset were calculated. These values are shown in Tables C-1 through C-78. In all cases, the mean was less than the variance. For the total lead concentrations, the difference between the mean and variance was one to several orders of magnitude. In accordance with SW-846, the data were transformed with an arcsine transformation, and the subsequent calculations were done with the transformed data. To transform the data, first the data were converted to percentages of the maximum value in accordance with SW-846 (Tables C-1 through C-78).

For each statistical dataset, the appropriate number of samples (the estimated minimum number of samples that are required to verify the statistical results) was calculated. For 32 of 78 locations this value exceed the number of samples analyzed. The appropriate number of samples was calculated as follows:

$$\text{number appropriate} = \frac{t^2 - s^2}{(RT - \overline{x})^2}$$

Where t = t-value for 90 percent, s = standard deviation of sample, RT = regulatory threshold limit and $\overline{x}$ = sample variable.

The appropriate number of samples for the surface layer of location 3W, retaining wall:

$$\text{number appropriate} = \frac{1.302^2 - 536.961^2}{(350 - 373.2136)^2} = 907.03$$

The arcsine-transformed data are listed in the bottom portion of each table. Statistical "t" values were established for 90 percent and 95 percent UCLs based on the degrees of freedom of each data set, and 90 percent and 95 percent UCLs were calculated for each data set. The calculated values were "back transformed" to convert them to concentration values (see line Reverse Transformation for 90/95% on Tables C-1 through C-78). These are listed at the bottom of each of the tables.

### 6.2. Correlation Between Total and Soluble Lead

No correlation between the total and soluble lead concentrations of the overall dataset (108) could be established. Lead from different sources and/or soil types may have affected the attempted correlation of the overall dataset. Thus the overall dataset was divided into the general locations (1E, 2E, 3E, etc.). For correlation purposes, datasets from both retaining wall samples and shoulder-widening samples at the same location were merged together. Figures of the correlation for these 11 locations are presented in Appendix C (Figures C-1 through C-11). Eight points (outliers) of the dataset of 108 points have not been taken into account for these correlations. These points, their influence on the correlation, and the factor from total lead to soluble lead for each section is shown in the following Table T3.

**Table T3 – Correlation of Total to Soluble Lead**

| Location (Shoulder and Retaining Wall) | Initial Correlation Factor | Data Modification | Resulting Correlation Factor | Factor From Total Lead to Soluble Lead |
|---|---|---|---|---|
| 1W | 0.82 | No Modifications | 0.82 | 0.0534 |
| 2W | 0.82 | No Modifications | 0.82 | 0.0457 |
| 3W | 0.79 | 3W9-B-SF | 0.85 | 0.0643 |
| 1E/9E | 0.72 | 1E-3-D-1, 9E-RW621-B-SB | 0.79 | 0.0548 |
| 2E | 0.86 | No Modifications | 0.86 | 0.0566 |
| 3E | 0.88 | No Modifications | 0.88 | 0.0499 |
| 4E | 0.67 | 4E2-E-SF | 0.83 | 0.0500 |
| 5E | 0.60 | 5E1-A-SF | 0.83 | 0.0450 |
| 6E | 0.75 | No Modifications | 0.875 | 0.0533 |
| 7E | 0.73 | 7E2-A-SF, 7E3-B-1 | 0.84 | 0.0467 |
| 8E | 0.48 | 8E1-RW590-C-2.5 | 0.64 | 0.0545 |

Per your June 18, 2001 comments to our draft report, locations 1E and 9E were combined for correlation purposes.

### 6.3. Results of Statistical Analyses

From the 90 percent and the 95 percent UCLs of total lead, the corresponding concentrations of soluble lead were estimated using the correlation shown in Tables T4 and T5 and Tables C-1 through C-78. The equation used for these estimates was:

Soluble lead conc. (mg/L) = Factor (total to soluble) x total lead conc. (mg/L)

As mentioned in Section 1.2 different factors were used for each location. The results of the statistical analyses are summarized in Tables T4 and T5.

**Table T4 – 90% and 95% UCL for Shoulder-Widening Locations**

| Section | Depth (feet) | Total Lead | | Soluble Lead | |
|---|---|---|---|---|---|
| | | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L |
| 1E | SF | 415 | 440 | 21 | 22 |
| | 1 | 358 | 405 | 18 | 21 |
| | 2 | 247 | 398 | 12 | 20 |
| | Combined | 272 | 290 | 14 | 15 |
| 2E | SF | 1,295 | 1,416 | 73 | 80 |
| | 1 | 425 | 481 | 24 | 27 |
| | 2 | 257 | 284 | 15 | 16 |
| | Combined | 371 | 411 | 21 | 23 |
| 3E | SF | 559 | 630 | 28 | 31 |
| | 1 | 74 | 80 | 3.7 | 4.0 |
| | 2 | 197 | 217 | 10 | 11 |
| | Combined | 242 | 267 | 12 | 13 |
| 4E | SF | 743 | 835 | 37 | 42 |
| | 1 | 84 | 92 | 4.2 | 4.6 |
| | 2 | 67 | 72 | 3.4 | 3.6 |
| | Combined | 288 | 320 | 14 | 16 |
| 5E | SF | 1,579 | 1,831 | 71 | 82 |
| | 1 | 984 | 1,149 | 44 | 52 |
| | 2 | 59 | 64 | 2.7 | 2.9 |
| | Combined | 688 | 777 | 31 | 35 |
| 6E | SF | 900 | 1,026 | 48 | 55 |
| | 1 | 774 | 894 | 41 | 48 |
| | 2 | 571 | 662 | 30 | 35 |
| | Combined | 524 | 567 | 28 | 31 |
| 7E | SF | 215 | 240 | 10 | 11 |
| | 1 | 277 | 301 | 13 | 14 |
| | 2 | 85 | 93 | 5 | 4 |
| | Combined | 165 | 179 | 7.7 | 8.4 |

**Table T4 – 90% and 95% UCL for Shoulder-Widening Locations**

| Section | Depth (feet) | Total Lead | | Soluble Lead | |
|---|---|---|---|---|---|
| | | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L |
| 8E | SF | 1,595 | 1,789 | 87 | 98 |
| | 1 | 552 | 615 | 30 | 34 |
| | 2 | 976 | 1,137 | 53 | 62 |
| | Combined | 803 | 879 | 44 | 48 |
| 1W | SF | 2,415 | 2,617 | 129 | 140 |
| | 1 | 790 | 910 | 42 | 49 |
| | 2 | 974 | 1,090 | 52 | 58 |
| | Combined | 1,158 | 1,247 | 62 | 67 |
| 2W | SF | 657 | 723 | 30 | 33 |
| | 1 | 328 | 376 | 15 | 17 |
| | 2 | 168 | 187 | 8 | 9 |
| | Combined | 314 | 342 | 14 | 16 |
| 3W | SF | 527 | 580 | 34 | 37 |
| | 1 | 131 | 144 | 8 | 9 |
| | 2 | 141 | 154 | 9 | 10 |
| | Combined | 246 | 266 | 16 | 17 |

**Table T5 – 90% and 95% UCL for Retaining Wall Locations**

| Section | Depth (feet) | Total Lead | | Soluble Lead | |
|---|---|---|---|---|---|
| | | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L |
| 1E | SF | 230 | 231 | 13.0 | 13.0 |
| | 1 | 13.7 | 13.8 | 0.8 | 0.8 |
| | 2 | 5 | 5 | 0.27 | 0.27 |
| | 5 | 31 | 27 | 1.7 | 1.5 |
| | Combined | 118 | 130 | 6 | 7 |

**Table T5 – 90% and 95% UCL for Retaining Wall Locations**

| Section | Depth (feet) | Total Lead | | Soluble Lead | |
|---|---|---|---|---|---|
| | | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L |
| 2E | SF | 981 | 1,094 | 56 | 62 |
| | 1 | 732 | 829 | 41 | 47 |
| | 2 | 307 | 347 | 17 | 20 |
| | 5 | 554 | 647 | 31 | 37 |
| | Combined | 457 | 495 | 26 | 28 |
| 3E | SF | 812 | 904 | 41 | 45 |
| | 1 | 662 | 764 | 33 | 38 |
| | 2 | 304 | 341 | 15 | 17 |
| | 5 | 75 | 82 | 4 | 4 |
| | Combined | 396 | 432 | 20 | 22 |
| 4E | SF | 197 | 223 | 10 | 11 |
| | 1 | 42 | 44 | 2.1 | 2.2 |
| | 2 | 96 | 106 | 5 | 5 |
| | 5 | 12 | 13 | 0.60 | 0.65 |
| | Combined | 65 | 72 | 3 | 4 |
| 5E | SF | 1,077 | 1,133 | 48 | 51 |
| | 1 | 956 | 1,067 | 43 | 48 |
| | 2 | 217 | 243 | 10 | 11 |
| | 5 | no data | | | |
| | Combined | 639 | 702 | 29 | 32 |
| 6E | SF | 428 | 462 | 23 | 25 |
| | 1 | 475 | 536 | 25 | 29 |
| | 2 | 151 | 169 | 8 | 9 |
| | 5 | 244 | 277 | 13 | 12 |
| | Combined | 253 | 272 | 13 | 14 |
| 7E | SF | 369 | 396 | 17 | 18 |
| | 1 | 177 | 193 | 8 | 9 |
| | 2 | 49 | 52 | 2.3 | 2.4 |
| | 5 | 34 | 37 | 1.6 | 1.7 |
| | Combined | 169 | 180 | 7.9 | 8.4 |

**Table T5 – 90% and 95% UCL for Retaining Wall Locations**

| Section | Depth (feet) | Total Lead | | Soluble Lead | |
|---|---|---|---|---|---|
| | | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L |
| 8E | SF | 603 | 650 | 33 | 35 |
| | 1 | 199 | 212 | 11 | 12 |
| | 2 | 305 | 346 | 17 | 19 |
| | 5 | 13 | 11 | 0.7 | 0.6 |
| | Combined | 290 | 309 | 16 | 17 |
| 9E | SF | 1,169 | 1,222 | 64 | 67 |
| | 1 | 256 | 271 | 14 | 15 |
| | 2 | 139 | 127 | 7.6 | 7.0 |
| | 5 | no data | no data | no data | no data |
| | Combined | 696 | 763 | 38 | 40 |
| 1W | SF | 973 | 1,055 | 52 | 56 |
| | 1 | 254 | 277 | 14 | 15 |
| | 2 | 112 | 126 | 6 | 7 |
| | 5 | 108 | 121 | 6 | 7 |
| | Combined | 358 | 385 | 21 | 19 |
| 2W | SF | 793 | 739 | 36 | 34 |
| | 1 | 800 | 813 | 38 | 37 |
| | 2 | 316* | 316* | 14* | 14* |
| | 5 | no data | no data | no data | no data |
| | Combined | 687 | 725 | 31 | 33 |
| 3W | SF | 588 | 632 | 38 | 41 |
| | 1 | 457 | 505 | 29 | 32 |
| | 2 | 140 | 150 | 9.0 | 9.6 |
| | 5 | 70 | 75 | 4.5 | 4.8 |
| | Combined | 297 | 315 | 19 | 20 |

**Note:**
* = Insufficient data

## 7. DATA EVALUATION AND DISCUSSION

Based upon the analytical results and subsequent statistical analysis, we have concluded the following:

- The mean concentration (90 and 95 percent UCL) of lead in surface soil in 10 of 11 shoulder widening sections exceeds 350 mg/kg; lead in soil to a depth of one foot bsg exceeds 350 mg/kg in 6 of 11 shoulder widening sections. The mean concentration of lead to a depth of two feet bsg exceeds 350 mg/kg in three of 11 shoulder widening sections. The mean concentration (90 and 95 percent UCL) of total lead in combined layers for shoulder widening sections exceeds 350 mg/kg in 5 of 11 sections. In individual section layers where mean concentrations of total lead were less than 350 mg/kg, DI-WET concentrations were less than 0.5 mg/L in 90 percent or more of samples run for DI-WET, with the exception of 2E where one of three DI-WET run at two feet exceeded 0.5 mg/L.

- The mean concentration (90 and 95 percent UCL) of lead in surface soil in 10 of 12 retaining wall sections exceeds 350 mg/kg; lead in soil to a depth of one foot bsg exceeds 350 mg/kg in 6 of 12 retaining wall sections. The mean concentration of lead does not exceed 350 mg/kg at two feet bsg in any of the retaining wall sections. The mean concentration of lead does exceed 350 mg/kg at five feet bsg (as well as surface and one foot bsg) in Retaining Wall section 2E. The mean concentration (90 and 95 percent UCL) of total lead in combined layers for retaining wall sections exceeds 350 mg/kg in 6 of 12 locations. In individual section layers where mean concentrations of total lead were less than 350 mg/kg, DI-WET concentrations were less than 0.5 mg/L in 90 percent or more of samples run for DI-WET, with the exception of 4E where one of three DI-WETs run at two feet exceeded 0.5 mg/L.

- The pH of soil in the project area is greater than 5.0.

- Surface water in the Rio Hondo River exceeds MCLs for several metals, including lead. Other contaminants tested for were not detected in significant concentrations.

- Sediment in the Rio Hondo and San Gabriel Rivers contains lead at slightly elevated concentrations. Other analytes tested for were not present in significant concentrations.

- Elevated concentrations of metals other than lead were not revealed in limited sampling.

## 8. RECOMMENDATIONS

Based on the finding at this study, we present the following recommendations in accordance with the variance:

- Soil excavated during the project should be handled in one of three ways:

A. Soil may be used as fill if placed a minimum of five feet above the water table and covered with at least one foot of non-hazardous soil.

B. Soil may be used as fill if placed a minimum of five feet above the water table and protected from infiltration by a pavement structure which will be maintained by Caltrans.

C. Soil should be managed as hazardous waste.

The following table indicates Ninyo & Moore's recommended option for each soil layer in each section.

**Table T6 – Recommendations**

| Section | Description | Depth (feet) | Recommendation |
|---|---|---|---|
| 1E | S | SF | C |
| | S | 1 | C |
| | S | 2 | C |
| | S | Combined | A |
| 2E | S | SF | C |
| | S | 1 | C |
| | S | 2 | B |
| | S | Combined | C |
| 3E | S | SF | C |
| | S | 1 | A |
| | S | 2 | A |
| | S | Combined | A |
| 4E | S | SF | C |
| | S | 1 | A |
| | S | 2 | A |
| | S | Combined | A |
| 5E | S | SF | C |
| | S | 1 | C |
| | S | 2 | A |
| | S | Combined | C |

**Table T6 – Recommendations**

| Section | Description | Depth (feet) | Recommendation |
|---|---|---|---|
| 6E | S | SF | C |
| | S | 1 | C |
| | S | 2 | C |
| | S | Combined | C |
| 7E | S | SF | A |
| | S | 1 | A |
| | S | 2 | A |
| | S | Combined | A |
| 8E | S | SF | C |
| | S | 1 | C |
| | S | 2 | C |
| | S | Combined | C |
| 1W | S | SF | C |
| | S | 1 | C |
| | S | 2 | C |
| | S | Combined | C |
| 2W | S | SF | C |
| | S | 1 | A |
| | S | 2 | A |
| | S | Combined | A |
| 3W | S | SF | C |
| | S | 1 | A |
| | S | 2 | A |
| | S | Combined | A |
| 1E | RW | SF | A |
| | RW | 1 | A |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | A |

**Table T6 – Recommendations**

| Section | Description | Depth (feet) | Recommendation |
|---|---|---|---|
| 2E | RW | SF | C |
| | RW | 1 | C |
| | RW | 2 | C |
| | RW | 5 | C |
| | RW | Combined | C |
| 3E | RW | SF | C |
| | RW | 1 | C |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | C |
| 4E | RW | SF | A |
| | RW | 1 | A |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | A |
| 5E | RW | SF | C |
| | RW | 1 | C |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | C |
| 6E | RW | SF | C |
| | RW | 1 | C |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | A |
| 7E | RW | SF | C |
| | RW | 1 | A |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | A |

**Table T6 – Recommendations**

| Section | Description | Depth (feet) | Recommendation |
|---|---|---|---|
| 8E | RW | SF | C |
| | RW | 1 | A |
| | RW | 2 | A |
| | RW | 5 | A |
| | S | Combined | A |
| 9E | RW | SF | C |
| | RW | 1 | A |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | C |
| 1W | RW | SF | C |
| | RW | 1 | A |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | A |
| 2W | RW | SF | C |
| | RW | 1 | C |
| | RW | 2 | C |
| | RW | Combined | C |
| 3W | RW | SF | C |
| | RW | 1 | C |
| | RW | 2 | A |
| | RW | 5 | A |
| | RW | Combined | A |

**Notes:**
S = Shoulder-Widening Section
RW = Retaining Wall Section

## ATTACHED TABLES

# TABLE 1 - EXCEPTIONS TO TASK ORDER

**SUMMARY**

Original CALTRANS Sampling Requirements = **1,087 Samples/307 Boreholes**

Shoulder Widening (SW) Segment **3W7** was listed in the Task Order (TO) as 10,328 feet long (20 boreholes at 500-foot intervals); the actual length as shown on CALTRANS figures is approximately 5,000 feet (10 borings at 500-foot intervals - Subtract 30 samples/ 10 boreholes from original plan)
Shoulder Widening Segment **3W6** was listed in the TO as 1,790 feet long but with only one borehole; 2 boreholes were added to the segment (Add 6 samples/ 2 boreholes to original plan)
NET revisions to TO Sampling Plan = **(Subtract 24 samples/ 8 boreholes = 1,063 samples/ 299 boreholes planned)**

Total Actually Collected and Analyzed (Table 2) = **921 samples/ 289 boreholes**

Total Accounted for on Exceptions Table (Table 1) = **142 samples/ 10 boreholes**

**DETAILS**

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Comments/Reasons for not collecting and/or analyzing proposed soil samples |
|---|---|---|---|---|
| **Shoulder Widening Locations - Eastbound** | | | | |
| 1E3 | 1E3-C-SF,1,2 | 1E3-C | SF,1,2 | Field Error, did not drill borehole |
| 2E3 | 2E3-A-1 | 2E3-A | 1 | Collected sample, Laboratory Error |
| 5E4 | 5E4-A-2 | 5E4-A | 2 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-D-1 | 7E3-D | 1 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-D-2 | 7E3-D | 2 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-E-1 | 7E3-E | 1 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-E-2 | 7E3-E | 2 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-F-1 | 7E3-F | 1 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-F-2 | 7E3-F | 2 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-G-1 | 7E3-G | 1 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-G-2 | 7E3-G | 2 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-H-1 | 7E3-H | 1 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-H-2 | 7E3-H | 2 | Refusal encountered before proposed depth, no sample collected |
| 8E2 | 8E2-A-2 | 8E2-A | 2 | Refusal encountered before proposed depth, no sample collected |
| 8E5 | 8E5-A-2 | 8E5-A | 2 | Refusal encountered before proposed depth, no sample collected |
| 8E7 | 8E7-A-2 | 8E7-A | 2 | Refusal encountered before proposed depth, no sample collected |
| 8E8 | 8E8-A-2 | 8E8-A | 2 | Refusal encountered before proposed depth, no sample collected |

## TABLE 1 - EXCEPTIONS TO TASK ORDER

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Comments/Reasons for not collecting and/or analyzing proposed soil samples |
|---|---|---|---|---|
| **Shoulder Widening Locations - Westbound** | | | | |
| 3W7 | 3W7-B-1 | 3W7-B | 1 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-B-2 | 3W7-B | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-C-2 | 3W7-C | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-E-2 | 3W7-E | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-F-2 | 3W7-F | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-G-2 | 3W7-G | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W10 | 3W10-A-1 | 3W10-A | 1 | Refusal encountered before proposed depth, no sample collected |
| 3W10 | 3W10-A-2 | 3W10-A | 2 | Refusal encountered before proposed depth, no sample collected |
| **Retaining Wall Locations - Eastbound** | | | | |
| 1E | 1E-RW64-A-5 | 1E-RW64-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 2E1 | 2E1-RW470ABT-A-5 | 2E1-RW470ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 2E2 | 2E2-RW490-C-5 | 2E2-RW490-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 3E1 | 3E1-RW496ABT-A-5 | 3E1-RW496ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3E3 | 3E3-RW504ABT-A-5 | 3E3-RW504ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3E3 | 3E3-RW504-B-5 | 3E3-RW504-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 3E3 | 3E3-RW504-C-5 | 3E3-RW504-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 3E3 | 3E3-RW504-D-5 | 3E3-RW504-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 3E3 | 3E3-RW510ABT-D-5 | 3E3-RW510ABT-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 3E3 | 3E3-RW98-A-5 | 3E3-RW98-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3E3 | 3E3-RW98-B-SF,1,2,5 | 3E3-RW98-B | SF,1,2,5 | Paved Surface, proposed borehole not attempted |
| 3E3 | 3E3-RW98-C-SF,1,2,5 | 3E3-RW98-C | SF,1,2,5 | Paved Surface, proposed borehole not attempted |
| 3E3 | 3E3-RW98ABT-D-SF,1,2,5 | 3E3-RW98ABT-D | SF,1,2,5 | Paved Surface, proposed borehole not attempted |
| 4E1 | 4E1-RW516ABT-A-5 | 4E1-RW516ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 4E1 | 4E1-RW516-B-5 | 4E1-RW516-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 4E2 | 4E2-RW524-A-SF,1,2,5 | 4E2-RW524-A | SF,1,2,5 | Field Error, did not drill borehole |
| 5E1 | 5E1-RW530ABT-A-5 | 5E1-RW530ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 5E1 | 5E1-RW530-B-5 | 5E1-RW530-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 5E1 | 5E1-RW530-C-5 | 5E1-RW530-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 5E1 | 5E1-RW530ABT-D-5 | 5E1-RW530ABT-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 6E1 | 6E1-RW544-C-5 | 6E1-RW544-C | 5 | Refusal encountered before proposed depth, no sample collected |

## TABLE 1 - EXCEPTIONS TO TASK ORDER

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Comments/Reasons for not collecting and/or analyzing proposed soil samples |
|---|---|---|---|---|
| 6E1 | 6E1-RW544-D-5 | 6E1-RW544-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E1 | 7E1-SW560-D-5 | 7E1-SW560-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW570ABT-A-5 | 7E3-RW570ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW570-B-5 | 7E3-RW570-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW570-C-5 | 7E3-RW570-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW570-D-5 | 7E3-RW570-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW68-A-2 | 7E3-RW68-A | 2 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW68-A-5 | 7E3-RW68-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW68-B-5 | 7E3-RW68-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW68-C-2 | 7E3-RW68-C | 2 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW68-C-5 | 7E3-RW68-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW68ABT-D-2 | 7E3-RW68ABT-D | 2 | Refusal encountered before proposed depth, no sample collected |
| 7E3 | 7E3-RW68ABT-D-5 | 7E3-RW68ABT-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 8E1 | 8E1-RW590ABT-A-5 | 8E1-RW590ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 8E5 | 8E5-RW100-C-5 | 8E5-RW100-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 8E6 | 8E6-RW58ABT-A-5 | 8E6-RW58ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 8E6 | 8E6-RW58-B-2 | 8E6-RW58-B | 2 | Refusal encountered before proposed depth, no sample collected |
| 8E6 | 8E6-RW58-B-5 | 8E6-RW58-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 9E | 9E-RW621-A-5 | 9E-RW621-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 9E | 9E-RW621-B-5 | 9E-RW621-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 9E | 9E-RW621-C-2 | 9E-RW621-C | 2 | Refusal encountered before proposed depth, no sample collected |
| 9E | 9E-RW621-C-5 | 9E-RW621-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 9E | 9E-RW621-D-2 | 9E-RW621-D | 2 | Refusal encountered before proposed depth, no sample collected |
| 9E | 9E-RW621-D-5 | 9E-RW621-D | 5 | Refusal encountered before proposed depth, no sample collected |
| **Retaining Wall Locations - Westbound** | | | | |
| 1W1 | 1W1-RW505-C-5 | 1W1-RW505-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 1W1 | 1W1-RW505ABT-E-5 | 1W1-RW505ABT-E | 5 | Refusal encountered before proposed depth, no sample collected |
| 1W1 | 1W1-RW515ABT-A-5 | 1W1-RW515ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 1W1 | 1W1-RW523-B-5 | 1W1-RW523-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 1W1 | 1W1-RW99-A-5 | 1W1-RW99-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 1W1 | 1W1-RW99-B-5 | 1W1-RW99-B | 5 | Refusal encountered before proposed depth, no sample collected |

## TABLE 1 - EXCEPTIONS TO TASK ORDER

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Comments/Reasons for not collecting and/or analyzing proposed soil samples |
|---|---|---|---|---|
| 1W1 | 1W1-RW99ABT-C-2 | 1W1-RW99ABT-C | 2 | Refusal encountered before proposed depth, no sample collected |
| 1W1 | 1W1-RW99ABT-C-5 | 1W1-RW99ABT-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 2W1 | 2W1-RW29-A-SF,1,2,5 | 2W1-RW29-A | SF,1,2,5 | Field Error, did not drill borehole |
| 2W1 | 2W1-RW29-B-5 | 2W1-RW29-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 2W1 | 2W1-RW29-D-2 | 2W1-RW29-D-2 | 2 | Refusal encountered before proposed depth, no sample collected |
| 2W1 | 2W1-RW29-D-5 | 2W1-RW29-D-5 | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W6 | 3W6-RW553ABT-A-5 | 3W6-RW553ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W6 | 3W6-RW557-B-5 | 3W6-RW557-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W6 | 3W6-RW557-D-5 | 3W6-RW557-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW49-A-2 | 3W7-RW49-A | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW49-A-5 | 3W7-RW49-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW49-C-2 | 3W7-RW49-C | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW49-C-5 | 3W7-RW49-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW49ABT-D-5 | 3W7-RW49ABT-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW567-B-5 | 3W7-RW567-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW567-C-5 | 3W7-RW567-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW567ABT-D-2 | 3W7-RW567ABT-D | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW567ABT-D-5 | 3W7-RW567ABT-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW571-B-5 | 3W7-RW571-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW587-A-5 | 3W7-RW587-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW587-B-5 | 3W7-RW587-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW587-C-5 | 3W7-RW587-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW591ABT-A-2 | 3W7-RW591ABT-A | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW591ABT-A-5 | 3W7-RW591ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW591-B-5 | 3W7-RW591-B | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW591-C-5 | 3W7-RW591-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW591-D-5 | 3W7-RW591-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W7 | 3W7-RW760-A-SF,1,2,5 | 3W7-RW760-A | SF,1,2,5 | Concrete rubble surface, proposed borehole not attempted |
| 3W7 | 3W7-RW760-B-SF,1,2,5 | 3W7-RW760-B | SF,1,2,5 | Concrete rubble surface, proposed borehole not attempted |
| 3W7 | 3W7-RW760-C-SF,1,2,5 | 3W7-RW760-C | SF,1,2,5 | Concrete rubble surface, proposed borehole not attempted |
| 3W7 | 3W7-RW760-D-SF,1,2,5 | 3W7-RW760-D | SF,1,2,5 | Concrete rubble surface, proposed borehole not attempted |

## TABLE 1 - EXCEPTIONS TO TASK ORDER

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Comments/Reasons for not collecting and/or analyzing proposed soil samples |
|---|---|---|---|---|
| 3W10 | 3W10-RW595ABT-A-2 | 3W10-RW595ABT-A | 2 | Refusal encountered before proposed depth, no sample collected |
| 3W10 | 3W10-RW595ABT-A-5 | 3W10-RW595ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W10 | 3W10-RW595-D-5 | 3W10-RW595-D | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W11 | 3W11-RW59ABT-A-5 | 3W11-RW59ABT-A | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W11 | 3W11-RW59-C-5 | 3W11-RW59-C | 5 | Refusal encountered before proposed depth, no sample collected |
| 3W11 | 3W11-RW59-D-5 | 3W11-RW59-D | 5 | Refusal encountered before proposed depth, no sample collected |

**Notes:**
In some cases where refusal prevented collection of a proposed sample depth, a sample may have been collected near the refusal depth and substituted for the proposed depth; such samples were collected and analyzed and are included in Table 2.
E = Eastbound
W = Westbound
RW = Retaining Wall
SF = Surface
ABT = Abutment location

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Shoulder Widening Locations - Eastbound** | | | | | | | | | | | | |
| 1E1 | 1E1-A-SF | 1E1-A | SF | 161 | 10 | 10.3 | 0.2 | 0.68 | 0.2 | | | |
| 1E1 | 1E1-A-1 | 1E1-A | 1 | 656 | 20 | 35.3 | 2 | ND | 0.2 | | | 8.09 |
| 1E1 | 1E1-A-2 | 1E1-A | 2 | 415 | 10 | 34 | 2 | ND | 0.2 | | | |
| 1E1 | 1E1-B-SF | 1E1-B | SF | 518 | 20 | 20 | 2 | 0.4 | 0.2 | | | |
| 1E1 | 1E1-B-1 | 1E1-B | 1 | 225 | 10 | 14.7 | 0.2 | 0.39 | 0.2 | | | |
| 1E1 | 1E1-B-2 | 1E1-B | 2 | 278 | 10 | 8.65 | 0.2 | 0.68 | 0.2 | | | |
| 1E1 | 1E1-C-SF | 1E1-C | SF | 152 | 10 | 7.97 | 0.2 | ND | 0.2 | | | |
| 1E1 | 1E1-C-1 | 1E1-C | 1 | 164 | 10 | 6.54 | 0.2 | ND | 0.2 | | | |
| 1E1 | 1E1-C-2 | 1E1-C | 2 | 106 | 10 | 5.12 | 0.2 | ND | 0.2 | | | |
| 1E2 | 1E2-A-SF | 1E2-A | SF | 237 | 10 | 18.5 | 2 | ND | 0.2 | | | |
| 1E2 | 1E2-A-1 | 1E2-A | 1 | 5 | 10 | | | | | | | 8.70 |
| 1E2 | 1E2-A-2 | 1E2-A | 2 | 5 | 10 | | | | | | | |
| 1E2 | 1E2-B-SF | 1E2-B | SF | 476 | 10 | 24.3 | 2 | ND | 0.2 | | | |
| 1E2 | 1E2-B-1 | 1E2-B | 1 | 5 | 10 | | | | | | | |
| 1E2 | 1E2-B-2 | 1E2-B | 2 | 53.3 | 10 | 2.51 | 0.2 | | | | | |
| 1E3 | 1E3-A-SF | 1E3-A | SF | 221 | 10 | 9.4 | 2 | ND | 0.2 | | | |
| 1E3 | 1E3-A-1 | 1E3-A | 1 | 35.8 | 10 | | | | | | | |
| 1E3 | 1E3-A-2 | 1E3-A | 2 | 16.2 | 10 | | | | | | | |
| 1E3 | 1E3-B-SF | 1E3-B | SF | 90.7 | 10 | 5.35 | 0.2 | ND | 0.2 | | | |
| 1E3 | 1E3-B-1 | 1E3-B | 1 | 73 | 10 | 2.27 | 0.2 | | | | | |
| 1E3 | 1E3-B-2 | 1E3-B | 2 | 70.7 | 10 | 2.59 | 0.2 | | | | | 8.51 |
| 1E3 | 1E3-D-SF | 1E3-D | SF | 433 | 10 | 17 | 2 | ND | 0.2 | | | |
| 1E3 | 1E3-D-1 | 1E3-D | 1 | 117 | 10 | 19.2 | 2 | 0.22 | 0.2 | | | |
| 1E3 | 1E3-D-2 | 1E3-D | 2 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-A-SF | 2E1-A | SF | 194 | 10 | 8.57 | 0.2 | ND | 0.2 | | | |
| 2E1 | 2E1-A-1 | 2E1-A | 1 | 91.3 | 10 | 2.49 | 0.2 | | | | | 7.47 |
| 2E1 | 2E1-A-2 | 2E1-A | 2 | 72.5 | 10 | 1.85 | 0.2 | | | | | |
| 2E1 | 2E1-B-SF | 2E1-B | SF | 5 | 10 | | | | | | | |
| 2E1 | 2E1-B-1 | 2E1-B | 1 | 21 | 10 | | | | | | | |
| 2E1 | 2E1-B-2 | 2E1-B | 2 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-C-SF | 2E1-C | SF | 58.2 | 10 | 1.36 | 0.2 | | | | | |
| 2E1 | 2E1-C-1 | 2E1-C | 1 | 40.5 | 10 | | | | | | | |
| 2E1 | 2E1-C-2 | 2E1-C | 2 | 34 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2E1 | 2E1-D-SF | 2E1-D | SF | 57.3 | 10 | 1.22 | 0.2 | | | | | |
| 2E1 | 2E1-D-1 | 2E1-D | 1 | 27.8 | 10 | | | | | | | |
| 2E1 | 2E1-D-2 | 2E1-D | 2 | 84.4 | 10 | 7.37 | 0.2 | ND | 0.2 | | | |
| 2E1 | 2E1-E-SF | 2E1-E | SF | 37.3 | 10 | | | | | | | |
| 2E1 | 2E1-E-1 | 2E1-E | 1 | 32 | 10 | | | | | | | |
| 2E1 | 2E1-E-2 | 2E1-E | 2 | 16.5 | 10 | | | | | | | |
| 2E1 | 2E1-F-SF | 2E1-F | SF | 47 | 10 | | | | | | | |
| 2E1 | 2E1-F-1 | 2E1-F | 1 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-F-2 | 2E1-F | 2 | 70.3 | 10 | 2.57 | 0.2 | | | | | 7.75 |
| 2E2 | 2E2-A-SF | 2E2-A | SF | 19.5 | 10 | | | | | | | |
| 2E2 | 2E2-A-1 | 2E2-A | 1 | 42 | 10 | | | | | | | |
| 2E2 | 2E2-A-2 | 2E2-A | 2 | 91.2 | 10 | 7.06 | 0.2 | 0.26 | 0.2 | | | |
| 2E2 | 2E2-B-SF | 2E2-B | SF | 1,160 | 50 | | | | | 4.44 | 0.1 | 7.27 |
| 2E2 | 2E2-B-1 | 2E2-B | 1 | 694 | 20 | 36.8 | 2 | 0.44 | 0.2 | | | |
| 2E2 | 2E2-B-2 | 2E2-B | 2 | 421 | 10 | 15.8 | 2 | 0.21 | 0.2 | | | |
| 2E3 | 2E3-A-SF | 2E3-A | SF | 1,860 | 100 | | | | | 0.73 | 0.1 | |
| 2E3 | 2E3-A-2 | 2E3-A | 2 | 149 | 10 | 18.8 | 2 | 0.52 | 0.2 | | | |
| 2E3 | 2E3-B-SF | 2E3-B | SF | 197 | 10 | 4.94 | 0.2 | | | | | |
| 2E3 | 2E3-B-1 | 2E3-B | 1 | 5 | 10 | | | | | | | |
| 2E3 | 2E3-B-2 | 2E3-B | 2 | 14.6 | 10 | | | | | | | |
| 3E1 | 3E1-A-SF | 3E1-A | SF | 11.4 | 10 | | | | | | | |
| 3E1 | 3E1-A-1 | 3E1-A | 1 | 5 | 10 | | | | | | | 8.09 |
| 3E1 | 3E1-A-2 | 3E1-A | 2 | 5 | 10 | | | | | | | |
| 3E1 | 3E1-B-SF | 3E1-B | SF | 64.8 | 10 | 3.88 | 0.2 | | | | | |
| 3E1 | 3E1-B-1 | 3E1-B | 1 | 15.7 | 10 | | | | | | | |
| 3E1 | 3E1-B-2 | 3E1-B | 2 | 5 | 10 | | | | | | | |
| 3E2 | 3E2-A-SF | 3E2-A | SF | 583 | 20 | 25.9 | 2 | ND | 0.2 | | | 7.08 |
| 3E2 | 3E2-A-1 | 3E2-A | 1 | 5 | 10 | | | | | | | |
| 3E2 | 3E2-A-2 | 3E2-A | 2 | 17.4 | 10 | | | | | | | |
| 3E3 | 3E3-A-SF | 3E3-A | SF | 1,200 | 100 | | | | | 2.08 | 0.1 | |
| 3E3 | 3E3-A-1 | 3E3-A | 1 | 50.8 | 10 | 2.07 | 0.2 | | | | | 7.79 |
| 3E3 | 3E3-A-2 | 3E3-A | 2 | 312 | 10 | 14 | 0.4 | ND | 0.2 | | | 6.71 |
| 3E3 | 3E3-B-SF | 3E3-B | SF | 38.9 | 10 | | | | | | | |
| 3E3 | 3E3-B-1 | 3E3-B | 1 | 46.1 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3E3 | 3E3-B-2 | 3E3-B | 2 | 51.7 | 10 | 1.92 | 0.2 | | | | | |
| 3E3 | 3E3-C-SF | 3E3-C | SF | 287 | 10 | 12 | 2 | ND | 0.2 | | | |
| 3E3 | 3E3-C-1 | 3E3-C | 1 | 38 | 10 | | | | | | | |
| 3E3 | 3E3-C-2 | 3E3-C | 2 | 225 | 10 | 14.8 | 0.4 | ND | 0.2 | | | |
| 3E3 | 3E3-D-SF | 3E3-D | SF | 65.4 | 10 | 2.16 | 0.2 | | | | | |
| 3E3 | 3E3-D-1 | 3E3-D | 1 | 21.7 | 10 | | | | | | | |
| 3E3 | 3E3-D-2 | 3E3-D | 2 | 23.3 | 10 | | | | | | | |
| 3E3 | 3E3-E-SF | 3E3-E | SF | 118 | 10 | 8.53 | 0.2 | ND | 0.2 | | | |
| 3E3 | 3E3-E-1 | 3E3-E | 1 | 46.9 | 10 | | | | | | | |
| 3E3 | 3E3-E-2 | 3E3-E | 2 | 41.3 | 10 | | | | | | | |
| 3E3 | 3E3-F-SF | 3E3-F | SF | 125 | 10 | 7.96 | 0.2 | ND | 0.2 | | | |
| 3E3 | 3E3-F-1 | 3E3-F | 1 | 102 | 10 | 4.34 | 0.2 | | | | | |
| 3E3 | 3E3-F-2 | 3E3-F | 2 | 57.7 | 10 | 3.65 | 0.2 | | | | | 8.27 |
| 3E3 | 3E3-G-SF | 3E3-G | SF | 94.6 | 10 | 4.32 | 0.2 | | | | | |
| 3E3 | 3E3-G-1 | 3E3-G | 1 | 118 | 10 | 6.55 | 0.2 | ND | 0.2 | | | |
| 3E3 | 3E3-G-2 | 3E3-G | 2 | 300 | 10 | 1.99 | 0.2 | | | | | |
| 4E1 | 4E1-A-SF | 4E1-A | SF | 39.6 | 10 | | | | | | | 8.38 |
| 4E1 | 4E1-A-1 | 4E1-A | 1 | 114 | 10 | 5.77 | 0.2 | ND | 0.2 | | | |
| 4E1 | 4E1-A-2 | 4E1-A | 2 | 97.4 | 10 | 4.64 | 0.2 | | | | | |
| 4E1 | 4E1-B-SF | 4E1-B | SF | 98.3 | 10 | 4.8 | 0.2 | | | | | |
| 4E1 | 4E1-B-1 | 4E1-B | 1 | 147 | 10 | 7.63 | 0.2 | ND | 0.2 | | | |
| 4E1 | 4E1-B-2 | 4E1-B | 2 | 63.3 | 10 | 6.17 | 0.2 | ND | 0.2 | | | |
| 4E1 | 4E1-C-SF | 4E1-C | SF | 46 | 10 | | | | | | | |
| 4E1 | 4E1-C-1 | 4E1-C | 1 | 29 | 10 | | | | | | | 8.12 |
| 4E1 | 4E1-C-2 | 4E1-C | 2 | 89.4 | 10 | 2.95 | 0.2 | | | | | |
| 4E1 | 4E1-D-SF | 4E1-D | SF | 189 | 10 | 0.58 | 0.2 | | | | | |
| 4E1 | 4E1-D-1 | 4E1-D | 1 | 31.4 | 10 | | | | | | | |
| 4E1 | 4E1-D-2 | 4E1-D | 2 | 56.2 | 10 | 0.47 | 0.2 | | | | | |
| 4E2 | 4E2-A-SF | 4E2-A | SF | 579 | 20 | 35.9 | 2 | 0.2 | 0.2 | | | 7.90 |
| 4E2 | 4E2-A-1 | 4E2-A | 1 | 5 | 10 | | | | | | | |
| 4E2 | 4E2-A-2 | 4E2-A | 2 | 5 | 10 | | | | | | | |
| 4E2 | 4E2-B-SF | 4E2-B | SF | 162 | 10 | 7.09 | 0.2 | 0.32 | 0.2 | | | |
| 4E2 | 4E2-B-1 | 4E2-B | 1 | 5 | 10 | | | | | | | |
| 4E2 | 4E2-B-2 | 4E2-B | 2 | 5 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4E2 | 4E2-C-SF | 4E2-C | SF | 62 | 10 | 3.03 | 0.2 | | | | | |
| 4E2 | 4E2-C-1 | 4E2-C | 1 | 22.8 | 10 | | | | | | | |
| 4E2 | 4E2-C-2 | 4E2-C | 2 | 16.8 | 10 | | | | | | | |
| 4E2 | 4E2-D-SF | 4E2-D | SF | 234 | 10 | 4.63 | 0.2 | | | | | |
| 4E2 | 4E2-D-1 | 4E2-D | 1 | 50.2 | 10 | 0.82 | 0.2 | | | | | |
| 4E2 | 4E2-D-2 | 4E2-D | 2 | 23.3 | 10 | | | | | | | |
| 4E2 | 4E2-E-SF | 4E2-E | SF | 569 | 20 | 11.1 | 2 | ND | 0.2 | | | |
| 4E2 | 4E2-E-1 | 4E2-E | 1 | 43.9 | 10 | | | | | | | |
| 4E2 | 4E2-E-2 | 4E2-E | 2 | 58.7 | 10 | 1.15 | 0.2 | | | | | |
| 4E2 | 4E2-F-SF | 4E2-F | SF | 1,580 | 100 | | | | | 4.37 | 0.1 | |
| 4E2 | 4E2-F-1 | 4E2-F | 1 | 37 | 10 | | | | | | | |
| 4E2 | 4E2-F-2 | 4E2-F | 2 | 5 | 10 | | | | | | | 8.47 |
| 5E1 | 5E1-A-SF | 5E1-A | SF | 90.4 | 10 | 24.6 | 2 | ND | 0.2 | | | |
| 5E1 | 5E1-A-1 | 5E1-A | 1 | 2,600 | 100 | | | | | 12.4 | 1.0 | |
| 5E1 | 5E1-A-2 | 5E1-A | 2 | 54.5 | 10 | 3.23 | 0.2 | | | | | |
| 5E2 | 5E2-A-SF | 5E2-A | SF | 363 | 10 | 9.87 | 0.2 | 0.25 | 0.2 | | | |
| 5E2 | 5E2-A-1 | 5E2-A | 1 | 149 | 10 | 3.44 | 0.2 | | | | | |
| 5E2 | 5E2-A-2 | 5E2-A | 2 | 12.6 | 10 | | | | | | | |
| 5E2 | 5E2-B-SF | 5E2-B | SF | 70.7 | 10 | 1.42 | 0.2 | | | | | |
| 5E2 | 5E2-B-1 | 5E2-B | 1 | 5 | 10 | | | | | | | |
| 5E2 | 5E2-B-2 | 5E2-B | 2 | 5 | 10 | | | | | | | |
| 5E2 | 5E2-C-SF | 5E2-C | SF | 4,020 | 100 | | | | | 2.47 | 0.1 | |
| 5E2 | 5E2-C-1 | 5E2-C | 1 | 100 | 10 | | | | | | | |
| 5E2 | 5E2-C-2 | 5E2-C | 2 | 83.2 | 10 | 2.69 | 0.2 | | | | | |
| 5E3 | 5E3-A-SF | 5E3-A | SF | 15.9 | 10 | | | | | | | |
| 5E3 | 5E3-A-1 | 5E3-A | 1 | 12.6 | 10 | | | | | | | |
| 5E3 | 5E3-A-2 | 5E3-A | 2 | 5 | 10 | | | | | | | |
| 5E4 | 5E4-A-SF | 5E4-A | SF | 15.5 | 10 | | | | | | | |
| 5E4 | 5E4-A-1 | 5E4-A | 1 | 35.2 | 10 | | | | | | | |
| 5E4 | 5E4-B-SF | 5E4-B | SF | 225 | 10 | 11.7 | 2 | ND | 0.2 | | | |
| 5E4 | 5E4-B-1 | 5E4-B | 1 | 21.9 | 10 | | | | | | | |
| 5E4 | 5E4-B-2 | 5E4-B | 2 | 24.3 | 10 | | | | | | | |
| 5E5 | 5E5-A-SF | 5E5-A | SF | 543 | 20 | 16.4 | 2 | 0.36 | 0.2 | | | |
| 5E5 | 5E5-A-1 | 5E5-A | 1 | 9.93 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5E5 | 5E5-A-2 | 5E5-A | 2 | 89.2 | 10 | 7.14 | 0.2 | ND | 0.2 | | | |
| 5E5 | 5E5-B-SF | 5E5-B | SF | 17.6 | 10 | | | | | | | |
| 5E5 | 5E5-B-1 | 5E5-B | 1 | 5 | 10 | | | | | | | |
| 5E5 | 5E5-B-2 | 5E5-B | 2 | 5 | 10 | | | | | | | |
| 5E5 | 5E5-C-SF | 5E5-C | SF | 5 | 10 | | | | | | | |
| 5E5 | 5E5-C-1 | 5E5-C | 1 | 75 | 10 | 5.57 | 0.2 | 0.32 | 0.2 | | | |
| 5E5 | 5E5-C-2 | 5E5-C | 2 | 5 | 10 | | | | | | | |
| 6E1 | 6E1-A-SF | 6E1-A | SF | 78.6 | 10 | 22.1 | 1 | ND | 0.2 | | | 7.44 |
| 6E1 | 6E1-A-1 | 6E1-A | 1 | 37.9 | 10 | | | | | | | |
| 6E1 | 6E1-A-2 | 6E1-A | 2 | 28.4 | 10 | | | | | | | |
| 6E1 | 6E1-B-SF | 6E1-B | SF | 2,060 | 100 | | | | | 6 | 0.1 | |
| 6E1 | 6E1-B-1 | 6E1-B | 1 | 1,930 | 100 | | | | | | | |
| 6E1 | 6E1-B-2 | 6E1-B | 2 | 1,450 | 100 | | | | | 8.35 | 0.1 | |
| 6E1 | 6E1-C-SF | 6E1-C | SF | 884 | 20 | 48.6 | 2 | 1.17 | 0.2 | | | |
| 6E1 | 6E1-C-1 | 6E1-C | 1 | 75.4 | 10 | 26.6 | 2 | ND | 0.2 | | | 7.93 |
| 6E1 | 6E1-C-2 | 6E1-C | 2 | 5 | 10 | | | | | | | |
| 6E1 | 6E1-D-SF | 6E1-D | SF | 410 | 10 | 17.4 | 2 | 0.22 | 0.2 | | | |
| 6E1 | 6E1-D-1 | 6E1-D | 1 | 335 | 10 | 10.2 | 0.2 | 0.31 | 0.2 | | | |
| 6E1 | 6E1-D-2 | 6E1-D | 2 | 29.9 | 10 | | | | | | | |
| 6E1 | 6E1-E-SF | 6E1-E | SF | 60.5 | 10 | 0.56 | 0.2 | | | | | |
| 6E1 | 6E1-E-1 | 6E1-E | 1 | 97.7 | 10 | 1.22 | 0.2 | | | | | |
| 6E1 | 6E1-E-2 | 6E1-E | 2 | 95.3 | 10 | 1.92 | 0.2 | | | | | 8.13 |
| 6E1 | 6E1-F-SF | 6E1-F | SF | 78.3 | 10 | 1.2 | 0.2 | | | | | |
| 6E1 | 6E1-F-1 | 6E1-F | 1 | 73.4 | 10 | 2.76 | 0.2 | | | | | |
| 6E1 | 6E1-F-2 | 6E1-F | 2 | 81.1 | 10 | 3.54 | 0.2 | | | | | |
| 6E1 | 6E1-G-SF | 6E1-G | SF | 44.5 | 10 | | | | | | | |
| 6E1 | 6E1-G-1 | 6E1-G | 1 | 73.4 | 10 | 2.39 | 0.2 | | | | | |
| 6E1 | 6E1-G-2 | 6E1-G | 2 | 45.5 | 10 | | | | | | | |
| 6E1 | 6E1-H-SF | 6E1-H | SF | 27.4 | 10 | | | | | | | |
| 6E1 | 6E1-H-1 | 6E1-H | 1 | 69.2 | 10 | 3.43 | 0.2 | | | | | |
| 6E1 | 6E1-H-2 | 6E1-H | 2 | 108 | 10 | 4.72 | 0.2 | | | | | |
| 6E1 | 6E1-I-SF | 6E1-I | SF | 39.8 | 10 | | | | | | | |
| 6E1 | 6E1-I-1 | 6E1-I | 1 | 30.6 | 10 | | | | | | | |
| 6E1 | 6E1-I-2 | 6E1-I | 2 | 20.3 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6E1 | 6E1-J-SF | 6E1-J | SF | 33.6 | 10 | | | | | | | 7.47 |
| 6E1 | 6E1-J-1 | 6E1-J | 1 | 62 | 10 | 2.45 | 0.2 | | | | | |
| 6E1 | 6E1-J-2 | 6E1-J | 2 | 107 | 10 | 2.14 | 0.2 | | | | | |
| 7E1 | 7E1-A-SF | 7E1-A | SF | 80.8 | 10 | 5.46 | 0.2 | ND | 0.2 | | | 7.25 |
| 7E1 | 7E1-A-1 | 7E1-A | 1 | 183 | 10 | 15.4 | 2 | 0.26 | 0.2 | | | |
| 7E1 | 7E1-A-2 | 7E1-A | 2 | 49.4 | 10 | | | | | | | |
| 7E2 | 7E2-A-SF | 7E2-A | SF | 421 | 10 | 1.26 | 0.2 | | | | | |
| 7E2 | 7E2-A-1 | 7E2-A | 1 | 5 | 10 | | | | | | | 7.73 |
| 7E2 | 7E2-A-2 | 7E2-A | 2 | 16.6 | 10 | | | | | | | |
| 7E3 | 7E3-A-SF | 7E3-A | SF | 214 | 10 | 5.9 | 2 | 0.33 | 0.2 | | | |
| 7E3 | 7E3-A-1 | 7E3-A | 1 | 41.4 | 10 | | | | | | | |
| 7E3 | 7E3-A-2 | 7E3-A | 2 | 15 | 10 | | | | | | | 8.16 |
| 7E3 | 7E3-B-SF | 7E3-B | SF | 30.8 | 10 | | | | | | | |
| 7E3 | 7E3-B-1 | 7E3-B | 1 | 328 | 10 | 0.39 | 0.2 | | | | | |
| 7E3 | 7E3-B-2 | 7E3-B | 2 | 67.2 | 10 | 1.26 | 0.2 | | | | | |
| 7E3 | 7E3-C-SF | 7E3-C | SF | 35 | 10 | | | | | | | |
| 7E3 | 7E3-C-1 | 7E3-C | 1 | 88.2 | 10 | 6.05 | 0.2 | ND | 0.2 | | | |
| 7E3 | 7E3-C-2 | 7E3-C | 2 | 100 | 10 | 2.55 | 0.2 | | | | | |
| 7E3 | 7E3-D-SF | 7E3-D | SF | 33.8 | 10 | | | | | | | |
| 7E3 | 7E3-E-SF | 7E3-E | SF | 72.1 | 10 | 2.47 | 0.2 | | | | | |
| 7E3 | 7E3-F-SF | 7E3-F | SF | 34.2 | 10 | | | | | | | 8.36 |
| 7E3 | 7E3-G-SF | 7E3-G | SF | 30.3 | 10 | | | | | | | |
| 7E3 | 7E3-H-SF | 7E3-H | SF | 20.7 | 10 | | | | | | | |
| 8E1 | 8E1-A-SF | 8E1-A | SF | 4,620 | 100 | | | | | 6.84 | 0.1 | |
| 8E1 | 8E1-A-1 | 8E1-A | 1 | 1,500 | 100 | | | | | | | 7.24 |
| 8E1 | 8E1-A-2 | 8E1-A | 2 | 2,540 | 100 | | | | | 5.18 | 0.1 | |
| 8E2 | 8E2-A-SF | 8E2-A | SF | 713 | 20 | 17.6 | 2 | ND | 0.2 | | | |
| 8E2 | 8E2-A-1 | 8E2-A | 1 | 41.3 | 10 | | | | | | | |
| 8E3 | 8E3-A-SF | 8E3-A | SF | 724 | 20 | 81.8 | 2 | 0.38 | 0.2 | | | 5.23 |
| 8E3 | 8E3-A-1 | 8E3-A | 1 | 207 | 10 | 10.7 | 2 | ND | 0.2 | | | |
| 8E3 | 8E3-A-2 | 8E3-A | 2 | 122 | 10 | 4.43 | 0.2 | | | | | |
| 8E4 | 8E4-A-SF | 8E4-A | SF | 505 | 10 | 19.5 | 2 | ND | 0.2 | | | |
| 8E4 | 8E4-A-1 | 8E4-A | 1 | 117 | 10 | 2.72 | 0.2 | | | | | |
| 8E4 | 8E4-A-2 | 8E4-A | 2 | 83 | 10 | 2.24 | 0.2 | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8E4 | 8E4-B-SF | 8E4-B | SF | 1,010 | 50 | | | | | 0.782 | 0.1 | |
| 8E4 | 8E4-B-1 | 8E4-B | 1 | 272 | 10 | 4.5 | 0.2 | | | | | |
| 8E4 | 8E4-B-2 | 8E4-B | 2 | 54.3 | 10 | 2.35 | 0.2 | | | | | |
| 8E5 | 8E5-A-SF | 8E5-A | SF | 1,240 | 50 | | | | | 3.56 | 0.1 | |
| 8E5 | 8E5-A-1 | 8E5-A | 1 | 345 | 10 | 10.4 | 0.2 | ND | 0.2 | | | 8.06 |
| 8E5 | 8E5-B-SF | 8E5-B | SF | 482 | 10 | 36.7 | 2 | 0.48 | 0.2 | | | |
| 8E5 | 8E5-B-1 | 8E5-B | 1 | 735 | 20 | 40.6 | 2 | 0.51 | 0.2 | | | |
| 8E5 | 8E5-B-2 | 8E5-B | 2 | 64.7 | 10 | 8.11 | 0.2 | 0.42 | 0.2 | | | |
| 8E5 | 8E5-C-SF | 8E5-C | SF | 62.6 | 10 | 3.71 | 0.2 | | | | | 6.91 |
| 8E5 | 8E5-C-1 | 8E5-C | 1 | 13.2 | 10 | | | | | | | |
| 8E5 | 8E5-C-2 | 8E5-C | 2 | 5 | 10 | | | | | | | |
| 8E5 | 8E5-D-SF | 8E5-D | SF | 557 | 20 | 34.7 | 2 | 0.46 | 0.2 | | | |
| 8E5 | 8E5-D-1 | 8E5-D | 1 | 103 | 10 | ND | 0.2 | | | | | |
| 8E5 | 8E5-D-2 | 8E5-D | 2 | 5 | 10 | | | | | | | |
| 8E5 | 8E5-E-SF | 8E5-E | SF | 73.1 | 10 | 6.86 | 0.2 | ND | 0.2 | | | |
| 8E5 | 8E5-E-1 | 8E5-E | 1 | 26.3 | 10 | | | | | | | |
| 8E5 | 8E5-E-2 | 8E5-E | 2 | 101 | 10 | 3.84 | 0.2 | | | | | |
| 8E6 | 8E6-A-SF | 8E6-A | SF | 322 | 10 | 16 | 2 | 4.82 | 0.2 | | | |
| 8E6 | 8E6-A-1 | 8E6-A | 1 | 148 | 10 | 7.38 | 0.2 | ND | 0.2 | | | |
| 8E6 | 8E6-A-2 | 8E6-A | 2 | 105 | 10 | 8.94 | 0.2 | ND | 0.2 | | | |
| 8E6 | 8E6-B-SF | 8E6-B | SF | 189 | 10 | 9.83 | 0.2 | 0.26 | 0.2 | | | |
| 8E6 | 8E6-B-1 | 8E6-B | 1 | 131 | 10 | 5.95 | 0.2 | 0.31 | 0.2 | | | |
| 8E6 | 8E6-B-2 | 8E6-B | 2 | 63.8 | 10 | 6.13 | 0.2 | ND | 0.2 | | | |
| 8E7 | 8E7-A-SF | 8E7-A | SF | 183 | 10 | 5.8 | 0.2 | ND | 0.2 | | | |
| 8E7 | 8E7-A-1 | 8E7-A | 1 | 146 | 10 | 9.84 | 0.2 | ND | 0.2 | | | |
| 8E8 | 8E8-A-SF | 8E8-A | SF | 120 | 10 | 5.13 | 0.2 | ND | 0.2 | | | |
| 8E8 | 8E8-A-1 | 8E8-A | 1 | 162 | 10 | 4.36 | 0.2 | | | | | |
| **Shoulder Widening Locations - Westbound** | | | | | | | | | | | | |
| 1W1 | 1W1-A-SF | 1W1-A | SF | 80.8 | 10 | 3.53 | 0.2 | | | | | 7.23 |
| 1W1 | 1W1-A-1 | 1W1-A | 1 | 601 | 20 | 26.9 | 2 | 1.01 | 0.2 | | | |
| 1W1 | 1W1-A-2 | 1W1-A | 2 | 91.6 | 10 | 4.25 | 0.2 | | | | | |
| 1W1 | 1W1-B-SF | 1W1-B | SF | 534 | 10 | 28.4 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-B-1 | 1W1-B | 1 | 161 | 10 | 8.2 | 2 | ND | 0.2 | | | 7.87 |
| 1W1 | 1W1-B-2 | 1W1-B | 2 | 79.2 | 10 | 7.67 | 0.2 | 4.91 | 0.2 | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W1 | 1W1-C-SF | 1W1-C | SF | 2,040 | 100 | | | | | | | |
| 1W1 | 1W1-C-1 | 1W1-C | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-C-2 | 1W1-C | 2 | 865 | 20 | 37.4 | 2 | 0.3 | 0.2 | | | 8.01 |
| 1W1 | 1W1-D-SF | 1W1-D | SF | 792 | 20 | 6.56 | 0.2 | ND | 0.2 | | | 8.03 |
| 1W1 | 1W1-D-1 | 1W1-D | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-D-2 | 1W1-D | 2 | 286 | 10 | 17.2 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-E-SF | 1W1-E | SF | 1,100 | 50 | | | | | | | |
| 1W1 | 1W1-E-1 | 1W1-E | 1 | 81.3 | 10 | 5.87 | 0.2 | ND | 0.2 | | | |
| 1W1 | 1W1-E-2 | 1W1-E | 2 | 64.2 | 10 | 1.66 | 0.2 | | | | | |
| 1W1 | 1W1-F-SF | 1W1-F | SF | 2,240 | 100 | | | | | 4.45 | 0.1 | |
| 1W1 | 1W1-F-1 | 1W1-F | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-F-2 | 1W1-F | 2 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-G-SF | 1W1-G | SF | 1,430 | 20 | | | | | | | |
| 1W1 | 1W1-G-1 | 1W1-G | 1 | 184 | 10 | 10 | 0.2 | ND | 0.2 | | | |
| 1W1 | 1W1-G-2 | 1W1-G | 2 | 17 | 10 | | | | | | | |
| 1W1 | 1W1-H-SF | 1W1-H | SF | 306 | 10 | 26.6 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-H-1 | 1W1-H | 1 | 10.1 | 10 | | | | | | | |
| 1W1 | 1W1-H-2 | 1W1-H | 2 | 545 | 20 | 15.3 | 0.4 | 0.31 | 0.2 | | | |
| 1W1 | 1W1-I-SF | 1W1-I | SF | 3,980 | 100 | | | | | | | |
| 1W1 | 1W1-I-1 | 1W1-I | 1 | 9.8 | 10 | | | | | | | |
| 1W1 | 1W1-I-2 | 1W1-I | 2 | 2,150 | 100 | | | | | | | |
| 1W1 | 1W1-J-SF | 1W1-J | SF | 3,570 | 10 | | | | | | | |
| 1W1 | 1W1-J-1 | 1W1-J | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-J-2 | 1W1-J | 2 | 20.8 | 10 | | | | | | | |
| 1W1 | 1W1-K-SF | 1W1-K | SF | 2,340 | 50 | | | | | | | |
| 1W1 | 1W1-K-1 | 1W1-K | 1 | 2,120 | 50 | | | | | 2.12 | 0.1 | |
| 1W1 | 1W1-K-2 | 1W1-K | 2 | 1,110 | 50 | | | | | | | |
| 2W1 | 2W1-A-SF | 2W1-A | SF | 1,090 | 50 | | | | | 1.29 | 0.1 | 6.32 |
| 2W1 | 2W1-A-1 | 2W1-A | 1 | 396 | 10 | 13.6 | 2 | 0.24 | 0.2 | | | |
| 2W1 | 2W1-A-2 | 2W1-A | 2 | 214 | 10 | 10.6 | 0.2 | 0.25 | 0.2 | | | |
| 2W1 | 2W1-B-SF | 2W1-B | SF | 1,010 | 50 | | | | | 1.79 | 0.1 | |
| 2W1 | 2W1-B-1 | 2W1-B | 1 | 759 | 20 | 43.3 | 2 | 0.24 | 0.2 | | | |
| 2W1 | 2W1-B-2 | 2W1-B | 2 | 332 | | 12.9 | 2 | 0.35 | 0.2 | | | |
| 2W2 | 2W2-A-SF | 2W2-A | SF | 24.4 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W2 | 2W2-A-1 | 2W2-A | 1 | 12.3 | 10 | | | | | | | 8.63 |
| 2W2 | 2W2-A-2 | 2W2-A | 2 | 12.2 | 10 | | | | | | | |
| 2W3 | 2W3-A-SF | 2W3-A | SF | 51.5 | 10 | 0.91 | 0.2 | | | | | |
| 2W3 | 2W3-A-1 | 2W3-A | 1 | 17.2 | 10 | | | | | | | |
| 2W3 | 2W3-A-2 | 2W3-A | 2 | 17.5 | 10 | | | | | | | 8.28 |
| 2W3 | 2W3-B-SF | 2W3-B | SF | 25.5 | 10 | | | | | | | |
| 2W3 | 2W3-B-1 | 2W3-B | 1 | 5 | 10 | | | | | | | |
| 2W3 | 2W3-B-2 | 2W3-B | 2 | 12.5 | 10 | | | | | | | |
| 2W4 | 2W4-A-SF | 2W4-A | SF | 117 | 10 | 1.7 | 0.2 | | | | | |
| 2W4 | 2W4-A-1 | 2W4-A | 1 | 11.4 | 10 | | | | | | | |
| 2W4 | 2W4-A-2 | 2W4-A | 2 | 12.3 | 10 | | | | | | | |
| 2W5 | 2W5-A-SF | 2W5-A | SF | 167 | 10 | 6.08 | 0.2 | ND | 0.2 | | | 7.50 |
| 2W5 | 2W5-A-1 | 2W5-A | 1 | 9.89 | 10 | | | | | | | |
| 2W5 | 2W5-A-2 | 2W5-A | 2 | 48.7 | 10 | | | | | | | |
| 2W5 | 2W5-B-SF | 2W5-B | SF | 520 | 20 | 31 | 2 | ND | 0.2 | | | |
| 2W5 | 2W5-B-1 | 2W5-B | 1 | 22.2 | 10 | | | | | | | |
| 2W5 | 2W5-B-2 | 2W5-B | 2 | 125 | 10 | 5.78 | 0.2 | ND | 0.2 | | | |
| 2W5 | 2W5-C-SF | 2W5-C | SF | 30.1 | 10 | | | | | | | |
| 2W5 | 2W5-C-1 | 2W5-C | 1 | 12.2 | 10 | | | | | | | |
| 2W5 | 2W5-C-2 | 2W5-C | 2 | 38 | 10 | | | | | | | |
| 2W5 | 2W5-D-SF | 2W5-D | SF | 471 | 10 | 18.5 | 2 | 0.26 | 0.2 | | | |
| 2W5 | 2W5-D-1 | 2W5-D | 1 | 30.9 | 10 | | | | | | | |
| 2W5 | 2W5-D-2 | 2W5-D | 2 | 21.2 | 10 | | | | | | | |
| 3W1 | 3W1-A-SF | 3W1-A | SF | 2,560 | 10 | | | | | 9.51 | 0.1 | 7.61 |
| 3W1 | 3W1-A-1 | 3W1-A | 1 | 11.3 | 10 | | | | | | | |
| 3W1 | 3W1-A-2 | 3W1-A | 2 | 30.1 | 10 | | | | | | | |
| 3W2 | 3W2-A-SF | 3W2-A | SF | 866 | 20 | 70.7 | 2 | 0.31 | 0.2 | | | |
| 3W2 | 3W2-A-1 | 3W2-A | 1 | 5 | 10 | | | | | | | 8.25 |
| 3W2 | 3W2-A-2 | 3W2-A | 2 | 433 | 10 | 33.9 | 2 | 0.44 | 0.2 | | | |
| 3W2 | 3W2-B-SF | 3W2-B | SF | 95.5 | 10 | ND | 0.2 | | | | | |
| 3W2 | 3W2-B-1 | 3W2-B | 1 | 41.2 | 10 | | | | | | | |
| 3W2 | 3W2-B-2 | 3W2-B | 2 | 34.7 | 10 | | | | | | | |
| 3W3 | 3W3-A-SF | 3W3-A | SF | 135 | 10 | 2.19 | 0.2 | ND | 0.2 | | | |
| 3W3 | 3W3-A-1 | 3W3-A | 1 | 5 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W3 | 3W3-A-2 | 3W3-A | 2 | 5 | 10 | | | | | | | 8.36 |
| 3W4 | 3W4-A-SF | 3W4-A | SF | 83.8 | 10 | 13.1 | 2 | ND | 0.2 | | | 7.88 |
| 3W4 | 3W4-A-1 | 3W4-A | 1 | 5 | 10 | | | | | | | |
| 3W4 | 3W4-A-2 | 3W4-A | 2 | 5 | 10 | | | | | | | |
| 3W5 | 3W5-A-SF | 3W5-A | SF | 134 | 10 | 6.68 | 0.2 | ND | 0.2 | | | |
| 3W5 | 3W5-A-1 | 3W5-A | 1 | 5 | 10 | | | | | | | |
| 3W5 | 3W5-A-2 | 3W5-A | 2 | 5 | 10 | | | | | | | |
| 3W5 | 3W5-B-SF | 3W5-B | SF | 10.4 | 10 | | | | | | | |
| 3W5 | 3W5-B-1 | 3W5-B | 1 | 5 | 10 | | | | | | | |
| 3W5 | 3W5-B-2 | 3W5-B | 2 | 5 | 10 | | | | | | | |
| 3W5 | 3W5-C-SF | 3W5-C | SF | 182 | 10 | 7.74 | 0.2 | 0.21 | 0.2 | | | |
| 3W5 | 3W5-C-1 | 3W5-C | 1 | 5 | 10 | | | | | | | 8.49 |
| 3W5 | 3W5-C-2 | 3W5-C | 2 | 5 | 10 | | | | | | | |
| 3W5 | 3W5-D-SF | 3W5-D | SF | 40.9 | 10 | | | | | | | |
| 3W5 | 3W5-D-1 | 3W5-D | 1 | 21.1 | 10 | | | | | | | |
| 3W5 | 3W5-D-2 | 3W5-D | 2 | 21.4 | 10 | | | | | | | |
| 3W6 | 3W6-A-SF | 3W6-A | SF | 74.7 | 10 | 1.77 | 0.2 | | | | | |
| 3W6 | 3W6-A-1 | 3W6-A | 1 | 16.5 | 10 | | | | | | | |
| 3W6 | 3W6-A-2 | 3W6-A | 2 | 20.8 | 10 | | | | | | | |
| 3W6 | 3W6-B-SF | 3W6-B | SF | 453 | 10 | 15.8 | 2 | ND | 0.2 | | | |
| 3W6 | 3W6-B-1 | 3W6-B | 1 | 56.6 | 10 | 4.14 | 0.2 | | | | | |
| 3W6 | 3W6-B-2 | 3W6-B | 2 | 38.9 | 10 | | | | | | | 8.27 |
| 3W6 | 3W6-C-SF | 3W6-C | SF | 603 | 20 | 46.3 | 2 | 0.36 | 0.2 | | | |
| 3W6 | 3W6-C-1 | 3W6-C | 1 | 594 | 20 | 40.7 | 2 | 0.52 | 0.2 | | | |
| 3W6 | 3W6-C-2 | 3W6-C | 2 | 318 | 10 | 18.3 | 0.4 | 0.46 | 0.2 | | | |
| 3W7 | 3W7-A-SF | 3W7-A | SF | 87.7 | 10 | 2.53 | 0.2 | | | | | |
| 3W7 | 3W7-A-1 | 3W7-A | 1 | 32.7 | 10 | | | | | | | 8.01 |
| 3W7 | 3W7-A-2 | 3W7-A | 2 | 143 | 10 | 0.91 | 0.2 | | | | | |
| 3W7 | 3W7-B-SF | 3W7-B | SF | 60.8 | 10 | 0.76 | 0.2 | | | | | |
| 3W7 | 3W7-C-SF | 3W7-C | SF | 76.4 | 10 | 1.07 | 0.2 | | | | | |
| 3W7 | 3W7-C-1 | 3W7-C | 1 | 77.1 | 10 | 0.89 | 0.2 | | | | | |
| 3W7 | 3W7-D-SF | 3W7-D | SF | 70.7 | 10 | 0.96 | 0.2 | | | | | |
| 3W7 | 3W7-D-1 | 3W7-D | 1 | 269 | 10 | 4.1 | 0.2 | | | | | |
| 3W7 | 3W7-D-2 | 3W7-D | 2 | 316 | 10 | 3.77 | 0.2 | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W7 | 3W7-E-SF | 3W7-E | SF | 31.8 | 10 | | | | | | | |
| 3W7 | 3W7-E-1 | 3W7-E | 1 | 33.9 | 10 | | | | | | | |
| 3W7 | 3W7-F-SF | 3W7-F | SF | 179 | 10 | 1.26 | 0.2 | | | | | |
| 3W7 | 3W7-F-1 | 3W7-F | 1 | 55.9 | 10 | 1.54 | 0.2 | | | | | |
| 3W7 | 3W7-G-SF | 3W7-G | SF | 176 | 10 | 0.94 | 0.2 | | | | | |
| 3W7 | 3W7-G-1 | 3W7-G | 1 | 82.9 | 10 | 0.76 | 0.2 | | | | | |
| 3W7 | 3W7-H-SF | 3W7-H | SF | 162 | 10 | 4.58 | 0.2 | | | | | |
| 3W7 | 3W7-H-1 | 3W7-H | 1 | 83.5 | 10 | 2.22 | 0.2 | | | | | |
| 3W7 | 3W7-H-2 | 3W7-H | 2 | 126 | 10 | 2.87 | 0.2 | | | | | |
| 3W7 | 3W7-I-SF | 3W7-I | SF | 66.9 | 10 | 1.82 | 0.2 | | | | | |
| 3W7 | 3W7-I-1 | 3W7-I | 1 | 58.1 | 10 | 1.6 | 0.2 | | | | | |
| 3W7 | 3W7-I-2 | 3W7-I | 2 | 47.2 | 10 | | | | | | | |
| 3W7 | 3W7-J-SF | 3W7-J | SF | 905 | 20 | 57.6 | 2 | 0.26 | 0.2 | | | |
| 3W7 | 3W7-J-1 | 3W7-J | 1 | 5 | 10 | | | | | | | |
| 3W7 | 3W7-J-2 | 3W7-J | 2 | 5 | 10 | | | | | | | |
| 3W8 | 3W8-A-SF | 3W8-A | SF | 159 | 10 | 6.52 | 0.2 | ND | 0.2 | | | 7.90 |
| 3W8 | 3W8-A-1 | 3W8-A | 1 | 103 | 10 | 0.57 | 0.2 | | | | | |
| 3W8 | 3W8-A-2 | 3W8-A | 2 | 19.3 | 10 | | | | | | | |
| 3W9 | 3W9-A-SF | 3W9-A | SF | 151 | 10 | 8.6 | 0.2 | ND | 0.2 | | | |
| 3W9 | 3W9-A-1 | 3W9-A | 1 | 93.3 | 10 | 8.13 | 0.2 | ND | 0.2 | | | 6.79 |
| 3W9 | 3W9-A-2 | 3W9-A | 2 | 158 | 10 | 14.3 | 0.4 | ND | 0.2 | | | |
| 3W9 | 3W9-B-SF | 3W9-B | SF | 965 | 100 | 134 | 4 | ND | 0.2 | | | |
| 3W9 | 3W9-B-1 | 3W9-B | 1 | 5 | 10 | | | | | | | |
| 3W9 | 3W9-B-2 | 3W9-B | 2 | 21.1 | 10 | | | | | | | |
| 3W10 | 3W10-A-SF | 3W10-A | SF | 23.1 | 10 | | | | | | | |
| 3W11 | 3W11-A-SF | 3W11-A | SF | 66.4 | 10 | 2.67 | 0.2 | | | | | |
| 3W11 | 3W11-A-1 | 3W11-A | 1 | 158 | 10 | 5.04 | 0.2 | ND | 0.2 | | | |
| 3W11 | 3W11-A-2 | 3W11-A | 2 | 159 | 10 | 6.03 | 0.2 | 0.26 | 0.2 | | | |
| 3W12 | 3W12-A-SF | 3W12-A | SF | 853 | 20 | 57.6 | 2 | 0.64 | 0.2 | | | |
| 3W12 | 3W12-A-1 | 3W12-A | 1 | 114 | 10 | 22 | 2 | 0.32 | 0.2 | | | |
| 3W12 | 3W12-A-2 | 3W12-A | 2 | 5 | 10 | | | | | | | |
| 3W13 | 3W13-A-SF | 3W13-A | SF | 127 | 10 | 9.55 | 0.2 | ND | 0.2 | | | |
| 3W13 | 3W13-A-1 | 3W13-A | 1 | 35 | 10 | | | | | | | |
| 3W13 | 3W13-A-2 | 3W13-A | 2 | 11 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Retaining Wall Locations - Eastbound** | | | | | | | | | | | | |
| 1E | 1E-RW64-A-SF | 1E-RW64-A | SF | 231 | 10 | 8.34 | 0.2 | ND | 0.2 | | | 7.40 |
| 1E | 1E-RW64-A-1 | 1E-RW64-A | 1 | 13.8 | 10 | | | | | | | |
| 1E | 1E-RW64-A-2 | 1E-RW64-A | 2 | 5 | 10 | | | | | | | |
| 1E | 1E-RW64-B-SF | 1E-RW64-B | SF | 227 | 10 | 10.2 | 0.2 | ND | 0.2 | | | |
| 1E | 1E-RW64-B-1 | 1E-RW64-B | 1 | 5 | 10 | | | | | | | 7.49 |
| 1E | 1E-RW64-B-2 | 1E-RW64-B | 2 | 5 | 10 | | | | | | | |
| 1E | 1E-RW64-B-5 | 1E-RW64-B | 5 | 26.4 | 10 | | | | | | | |
| 1E | 1E-RW64-C-SF | 1E-RW64-C | SF | 150 | 10 | 6.5 | 0.2 | ND | 0.2 | | | 7.66 |
| 1E | 1E-RW64-C-1 | 1E-RW64-C | 1 | 13.3 | 10 | | | | | | | |
| 1E | 1E-RW64-C-2 | 1E-RW64-C | 2 | 5 | 10 | | | | | | | |
| 1E | 1E-RW64-C-5 | 1E-RW64-C | 5 | 5 | 10 | | | | | | | |
| 1E | 1E-RW64ABT-D-SF | 1E-RW64ABT-D | SF | 196 | 10 | 9.12 | 0.2 | ND | 0.2 | | | |
| 1E | 1E-RW64ABT-D-1 | 1E-RW64ABT-D | 1 | 10.6 | 10 | | | | | | | 7.26 |
| 1E | 1E-RW64ABT-D-2 | 1E-RW64ABT-D | 2 | 5 | 10 | | | | | | | |
| 1E | 1E-RW64ABT-D-5 | 1E-RW64ABT-D | 5 | 31.5 | 10 | | | | | | | |
| 2E1 | 2E1-RW470ABT-A-SF | 2E1-RW470ABT-A | SF | 153 | 10 | 4.22 | 0.2 | | | | | |
| 2E1 | 2E1-RW470ABT-A-1 | 2E1-RW470ABT-A | 1 | 20 | 10 | | | | | | | |
| 2E1 | 2E1-RW470ABT-A-2 | 2E1-RW470ABT-A | 2 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-B-SF | 2E1-RW470-B | SF | 138 | 10 | 2.74 | 0.2 | | | | | |
| 2E1 | 2E1-RW470-B-1 | 2E1-RW470-B | 1 | 10 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-B-2 | 2E1-RW470-B | 2 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-B-5 | 2E1-RW470-B | 5 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-C-SF | 2E1-RW470-C | SF | 19.9 | 10 | | | | | | | 7.40 |
| 2E1 | 2E1-RW470-C-1 | 2E1-RW470-C | 1 | 20.3 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-C-2 | 2E1-RW470-C | 2 | 26.1 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-C-5 | 2E1-RW470-C | 5 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-D-SF | 2E1-RW470-D | SF | 15.5 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-D-1 | 2E1-RW470-D | 1 | 11.2 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-D-2 | 2E1-RW470-D | 2 | 43.1 | 10 | | | | | | | |
| 2E1 | 2E1-RW470-D-5 | 2E1-RW470-D | 5 | 40 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-A-SF | 2E1-RW88-A | SF | 35.5 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-A-1 | 2E1-RW88-A | 1 | 19 | 10 | | | | | | | 8.23 |
| 2E1 | 2E1-RW88-A-2 | 2E1-RW88-A | 2 | 5 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2E1 | 2E1-RW88-A-5 | 2E1-RW88-A | 5 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-B-SF | 2E1-RW88-B | SF | 42.1 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-B-1 | 2E1-RW88-B | 1 | 11.1 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-B-2 | 2E1-RW88-B | 2 | 48.4 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-B-5 | 2E1-RW88-B | 5 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-C-SF | 2E1-RW88-C | SF | 520 | 10 | 38.1 | 2 | 0.41 | 0.2 | | | |
| 2E1 | 2E1-RW88-C-1 | 2E1-RW88-C | 1 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-C-2 | 2E1-RW88-C | 2 | 17.5 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-C-5 | 2E1-RW88-C | 5 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-D-SF | 2E1-RW88-D | SF | 49.6 | 10 | | | | | | | 6.42 |
| 2E1 | 2E1-RW88-D-1 | 2E1-RW88-D | 1 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-D-2 | 2E1-RW88-D | 2 | 5 | 10 | | | | | | | |
| 2E1 | 2E1-RW88-D-5 | 2E1-RW88-D | 5 | 12.1 | 10 | | | | | | | |
| 2E2 | 2E2-RW490-A-SF | 2E2-RW490-A | SF | 1,870 | 50 | | | | | 7.35 | 0.1 | 7.64 |
| 2E2 | 2E2-RW490-A-1 | 2E2-RW490-A | 1 | 1,770 | 50 | | | | | | | |
| 2E2 | 2E2-RW490-A-2 | 2E2-RW490-A | 2 | 665 | 20 | 41.8 | 2 | 0.72 | 0.2 | | | |
| 2E2 | 2E2-RW490-A-5 | 2E2-RW490-A | 5 | 99.1 | 10 | 3.75 | 0.2 | | | | | |
| 2E2 | 2E2-RW490-B-SF | 2E2-RW490-B | SF | 2,060 | 50 | | | | | | | |
| 2E2 | 2E2-RW490-B-1 | 2E2-RW490-B | 1 | 1,350 | 50 | | | | | | | 7.73 |
| 2E2 | 2E2-RW490-B-2 | 2E2-RW490-B | 2 | 635 | 20 | 36.6 | 2 | 0.64 | 0.2 | | | |
| 2E2 | 2E2-RW490-B-5 | 2E2-RW490-B | 5 | 1,460 | 50 | | | | | 9.03 | 0.1 | |
| 2E2 | 2E2-RW490-C-SF | 2E2-RW490-C | SF | 421 | 10 | 20.2 | 2 | 0.42 | 0.2 | | | |
| 2E2 | 2E2-RW490-C-1 | 2E2-RW490-C | 1 | 249 | 10 | 4.96 | 0.2 | | | | | |
| 2E2 | 2E2-RW490-C-2 | 2E2-RW490-C | 2 | 19.9 | 10 | | | | | | | |
| 2E2 | 2E2-RW490-D-SF | 2E2-RW490-D | SF | 326 | 10 | 20.9 | 2 | 0.46 | 0.2 | | | |
| 2E2 | 2E2-RW490-D-1 | 2E2-RW490-D | 1 | 314 | 10 | 26.7 | 2 | 0.79 | 0.2 | | | |
| 2E2 | 2E2-RW490-D-2 | 2E2-RW490-D | 2 | 64.9 | 10 | 1.05 | 0.2 | | | | | |
| 2E2 | 2E2-RW490-D-5 | 2E2-RW490-D | 5 | 81.4 | 10 | 1.72 | 0.2 | | | | | |
| 3E1 | 3E1-RW496ABT-A-SF | 3E1-RW496ABT-A | SF | 235 | 10 | 20 | 2 | ND | 0.2 | | | |
| 3E1 | 3E1-RW496ABT-A-1 | 3E1-RW496ABT-A | 1 | 42.5 | 10 | | | | | | | |
| 3E1 | 3E1-RW496ABT-A-2 | 3E1-RW496ABT-A | 2 | 16.7 | 10 | | | | | | | |
| 3E1 | 3E1-RW496-B-SF | 3E1-RW496-B | SF | 1,910 | 100 | | | | | 1.12 | 0.1 | 6.70 |
| 3E1 | 3E1-RW496-B-1 | 3E1-RW496-B | 1 | 151 | 10 | 9.9 | 2 | ND | 0.2 | | | |
| 3E1 | 3E1-RW496-B-2 | 3E1-RW496-B | 2 | 30.5 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3E1 | 3E1-RW496-B-5 | 3E1-RW496-B | 5 | 5 | 10 | | | | | | | |
| 3E1 | 3E1-RW496-C-SF | 3E1-RW496-C | SF | 722 | 20 | 46.5 | 2 | 0.3 | 0.2 | | | |
| 3E1 | 3E1-RW496-C-1 | 3E1-RW496-C | 1 | 27.9 | 10 | | | | | | | |
| 3E1 | 3E1-RW496-C-2 | 3E1-RW496-C | 2 | 631 | 20 | 38.9 | 2 | 0.42 | 0.2 | | | |
| 3E1 | 3E1-RW496-C-5 | 3E1-RW496-C | 5 | 11.6 | 10 | | | | | | | |
| 3E1 | 3E1-RW496-D-SF | 3E1-RW496-D | SF | 1,390 | 100 | | | | | | | |
| 3E1 | 3E1-RW496-D-1 | 3E1-RW496-D | 1 | 2,130 | 100 | | | | | 3.71 | 0.1 | 7.35 |
| 3E1 | 3E1-RW496-D-2 | 3E1-RW496-D | 2 | 725 | 20 | 31.2 | 2 | 0.29 | 0.2 | | | |
| 3E1 | 3E1-RW496-D-5 | 3E1-RW496-D | 5 | 97.7 | 10 | 3.12 | 2 | | | | | |
| 3E3 | 3E3-RW504ABT-A-SF | 3E3-RW504ABT-A | SF | 30.3 | 10 | | | | | | | |
| 3E3 | 3E3-RW504ABT-A-1 | 3E3-RW504ABT-A | 1 | 20.6 | 10 | | | | | | | |
| 3E3 | 3E3-RW504ABT-A-2 | 3E3-RW504ABT-A | 2 | 24 | 10 | | | | | | | |
| 3E3 | 3E3-RW504-B-SF | 3E3-RW504-B | SF | 139 | 10 | 0.95 | 0.2 | | | | | |
| 3E3 | 3E3-RW504-B-1 | 3E3-RW504-B | 1 | 20.3 | 10 | | | | | | | |
| 3E3 | 3E3-RW504-B-2 | 3E3-RW504-B | 2 | 19.9 | 10 | | | | | | | |
| 3E3 | 3E3-RW504-C-SF | 3E3-RW504-C | SF | 19.4 | 10 | | | | | | | |
| 3E3 | 3E3-RW504-C-1 | 3E3-RW504-C | 1 | 77.8 | 10 | 3.08 | 0.2 | | | | | 7.89 |
| 3E3 | 3E3-RW504-C-2 | 3E3-RW504-C | 2 | 15.4 | 10 | | | | | | | |
| 3E3 | 3E3-RW504-D-SF | 3E3-RW504-D | SF | 12.2 | 10 | | | | | | | |
| 3E3 | 3E3-RW504-D-1 | 3E3-RW504-D | 1 | 13.2 | 10 | | | | | | | |
| 3E3 | 3E3-RW504-D-2 | 3E3-RW504-D | 2 | 25.4 | 10 | | | | | | | |
| 3E3 | 3E3-RW510-A-SF | 3E3-RW510-A | SF | 53.7 | 10 | 2.3 | 0.2 | | | | | |
| 3E3 | 3E3-RW510-A-1 | 3E3-RW510-A | 1 | 51.9 | 10 | 1.56 | 0.2 | | | | | |
| 3E3 | 3E3-RW510-A-2 | 3E3-RW510-A | 2 | 72.5 | 10 | 1.91 | 0.2 | | | | | 7.46 |
| 3E3 | 3E3-RW510-A-5 | 3E3-RW510-A | 5 | 50.3 | 10 | 1.72 | 0.2 | | | | | |
| 3E3 | 3E3-RW510-B-SF | 3E3-RW510-B | SF | 72 | 10 | 2.18 | 0.2 | | | | | |
| 3E3 | 3E3-RW510-B-1 | 3E3-RW510-B | 1 | 58.2 | 10 | 1.81 | 0.2 | | | | | |
| 3E3 | 3E3-RW510-B-2 | 3E3-RW510-B | 2 | 49.1 | 10 | | | | | | | |
| 3E3 | 3E3-RW510-B-5 | 3E3-RW510-B | 5 | 59.1 | 10 | 1.82 | 0.2 | | | | | |
| 3E3 | 3E3-RW510-C-SF | 3E3-RW510-C | SF | 580 | 20 | 24.3 | 2 | 0.57 | 0.2 | | | |
| 3E3 | 3E3-RW510-C-1 | 3E3-RW510-C | 1 | 72.5 | 10 | 2.38 | 0.2 | | | | | |
| 3E3 | 3E3-RW510-C-2 | 3E3-RW510-C | 2 | 57.3 | 10 | 1.56 | 0.2 | | | | | |
| 3E3 | 3E3-RW510-C-5 | 3E3-RW510-C | 5 | 26.1 | 10 | | | | | | | |
| 3E3 | 3E3-RW510ABT-D-SF | 3E3-RW510ABT-D | SF | 168 | 10 | 7.05 | 0.2 | 0.41 | 0.2 | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3E3 | 3E3-RW510ABT-D-1 | 3E3-RW510ABT-D | 1 | 128 | 10 | 4.15 | 0.2 | | | | | |
| 3E3 | 3E3-RW510ABT-D-2 | 3E3-RW510ABT-D | 2 | 77 | 10 | 3.2 | 0.2 | | | | | |
| 3E3 | 3E3-RW98-A-SF | 3E3-RW98-A | SF | 51.8 | 10 | 0.96 | 0.2 | | | | | 5.74 |
| 3E3 | 3E3-RW98-A-1 | 3E3-RW98-A | 1 | 302 | 10 | 14.4 | 0.2 | ND | 0.2 | | | |
| 3E3 | 3E3-RW98-A-2 | 3E3-RW98-A | 2 | 61.7 | 10 | 2.33 | 0.2 | | | | | |
| 4E1 | 4E1-RW20-A-SF | 4E1-RW20-A | SF | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-A-1 | 4E1-RW20-A | 1 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-A-2 | 4E1-RW20-A | 2 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-A-5 | 4E1-RW20-A | 5 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-B-SF | 4E1-RW20-B | SF | 27 | 10 | | | | | | | 7.95 |
| 4E1 | 4E1-RW20-B-1 | 4E1-RW20-B | 1 | 13.7 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-B-2 | 4E1-RW20-B | 2 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-B-5 | 4E1-RW20-B | 5 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-C-SF | 4E1-RW20-C | SF | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-C-1 | 4E1-RW20-C | 1 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-C-2 | 4E1-RW20-C | 2 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-C-5 | 4E1-RW20-C | 5 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-D-SF | 4E1-RW20-D | SF | 35.4 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-D-1 | 4E1-RW20-D | 1 | 5 | 10 | | | | | | | 7.90 |
| 4E1 | 4E1-RW20-D-2 | 4E1-RW20-D | 2 | 13.3 | 10 | | | | | | | |
| 4E1 | 4E1-RW20-D-5 | 4E1-RW20-D | 5 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW516ABT-A-SF | 4E1-RW516ABT-A | SF | 37 | 10 | | | | | | | |
| 4E1 | 4E1-RW516ABT-A-1 | 4E1-RW516ABT-A | 1 | 5 | 10 | | | | | | | |
| 4E1 | 4E1-RW516ABT-A-2 | 4E1-RW516ABT-A | 2 | 20.8 | 10 | | | | | | | |
| 4E1 | 4E1-RW516-B-SF | 4E1-RW516-B | SF | 34.9 | 10 | | | | | | | |
| 4E1 | 4E1-RW516-B-1 | 4E1-RW516-B | 1 | 32.8 | 10 | | | | | | | |
| 4E1 | 4E1-RW516-B-2 | 4E1-RW516-B | 2 | 83.5 | 10 | 5.39 | 0.2 | 0.46 | 0.2 | | | |
| 4E1 | 4E1-RW516-C-SF | 4E1-RW516-C | SF | 5 | 10 | | | | | | | 7.90 |
| 4E1 | 4E1-RW516-C-1 | 4E1-RW516-C | 1 | 52.7 | 10 | 1.45 | 0.2 | | | | | |
| 4E1 | 4E1-RW516-C-2 | 4E1-RW516-C | 2 | 179 | 10 | 9.4 | 0.2 | 0.64 | 0.2 | | | |
| 4E1 | 4E1-RW516-C-5 | 4E1-RW516-C | 5 | 30.2 | 10 | | | | | | | |
| 4E1 | 4E1-RW516-D-SF | 4E1-RW516-D | SF | 40.5 | 10 | | | | | | | |
| 4E1 | 4E1-RW516-D-1 | 4E1-RW516-D | 1 | 34.7 | 10 | | | | | | | 8.41 |
| 4E1 | 4E1-RW516-D-2 | 4E1-RW516-D | 2 | 27.9 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4E1 | 4E1-RW516-D-5 | 4E1-RW516-D | 5 | 5 | 10 | | | | | | | 7.86 |
| 4E2 | 4E2-RW524-B-SF | 4E2-RW524-B | SF | 41 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-B-1 | 4E2-RW524-B | 1 | 23 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-B-2 | 4E2-RW524-B | 2 | 37.2 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-B-3 | 4E2-RW524-B | 3 | 48.3 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-C-SF | 4E2-RW524-C | SF | 33.1 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-C-1 | 4E2-RW524-C | 1 | 46.3 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-C-2 | 4E2-RW524-C | 2 | 39 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-C-3 | 4E2-RW524-C | 3 | 34.4 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-D-SF | 4E2-RW524-D | SF | 431 | 10 | 20.4 | 2 | ND | 0.2 | | | |
| 4E2 | 4E2-RW524-D-1 | 4E2-RW524-D | 1 | 45.5 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-D-2 | 4E2-RW524-D | 2 | 5 | 10 | | | | | | | |
| 4E2 | 4E2-RW524-D-3 | 4E2-RW524-D | 3 | 63.5 | 10 | 5.03 | 0.2 | ND | 0.2 | | | |
| 5E1 | 5E1-RW530ABT-A-SF | 5E1-RW530ABT-A | SF | 456 | 10 | 18.5 | 2 | ND | 0.2 | | | 5.52 |
| 5E1 | 5E1-RW530ABT-A-1 | 5E1-RW530ABT-A | 1 | 134 | 10 | 12 | 2 | ND | 0.2 | | | |
| 5E1 | 5E1-RW530ABT-A-2 | 5E1-RW530ABT-A | 2 | 5 | 10 | | | | | | | |
| 5E1 | 5E1-RW530-B-SF | 5E1-RW530-B | SF | 1,140 | 100 | | | | | 1.35 | 0.1 | |
| 5E1 | 5E1-RW530-B-1 | 5E1-RW530-B | 1 | 1,100 | 100 | | | | | 1.33 | 0.1 | 5.95 |
| 5E1 | 5E1-RW530-B-2 | 5E1-RW530-B | 2 | 251 | 10 | 17 | 2 | 0.32 | 0.2 | | | |
| 5E1 | 5E1-RW530-C-SF | 5E1-RW530-C | SF | 808 | 20 | 42.9 | 2 | ND | 0.2 | | | |
| 5E1 | 5E1-RW530-C-1 | 5E1-RW530-C | 1 | 21 | 10 | | | | | | | |
| 5E1 | 5E1-RW530-C-2 | 5E1-RW530-C | 2 | 5 | 10 | | | | | | | 8.49 |
| 5E1 | 5E1-RW530ABT-D-SF | 5E1-RW530ABT-D | SF | 115 | 10 | 4.83 | 0.2 | | | | | 6.27 |
| 5E1 | 5E1-RW530ABT-D-1 | 5E1-RW530ABT-D | 1 | 5 | 10 | | | | | | | |
| 5E1 | 5E1-RW530ABT-D-2 | 5E1-RW530ABT-D | 2 | 5 | 10 | | | | | | | |
| 6E1 | 6E1-RW544ABT-A-SF | 6E1-RW544ABT-A | SF | 249 | 10 | 18.6 | 1 | ND | 0.2 | | | |
| 6E1 | 6E1-RW544ABT-A-1 | 6E1-RW544ABT-A | 1 | 363 | 10 | 19.1 | 1 | 0.21 | 0.2 | | | |
| 6E1 | 6E1-RW544ABT-A-2 | 6E1-RW544ABT-A | 2 | 247 | 10 | 19 | 0.4 | 0.34 | 0.2 | | | |
| 6E1 | 6E1-RW544ABT-A-4.5 | 6E1-RW544ABT-A | 4.5 | 363 | 10 | 25 | 1 | 0.23 | 0.2 | | | |
| 6E1 | 6E1-RW544-B-SF | 6E1-RW544-B | SF | 603 | 20 | 39 | 1 | 0.36 | 0.2 | | | 7.88 |
| 6E1 | 6E1-RW544-B-1 | 6E1-RW544-B | 1 | 854 | 20 | 45.5 | 1 | 0.32 | 0.2 | | | |
| 6E1 | 6E1-RW544-B-2 | 6E1-RW544-B | 2 | 177 | 10 | 11.9 | 0.4 | 0.27 | 0.2 | | | |
| 6E1 | 6E1-RW544-B-4 | 6E1-RW544-B | 4 | 120 | 10 | 9.7 | 0.2 | ND | 0.2 | | | |
| 6E1 | 6E1-RW544-C-SF | 6E1-RW544-C | SF | 307 | 10 | 13.6 | 2 | ND | 0.2 | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6E1 | 6E1-RW544-C-1 | 6E1-RW544-C | 1 | 270 | 10 | 11.1 | 2 | ND | 0.2 | | | |
| 6E1 | 6E1-RW544-C-2 | 6E1-RW544-C | 2 | 5 | 10 | | | | | | | 8.07 |
| 6E1 | 6E1-RW544-D-SF | 6E1-RW544-D | SF | 367 | 10 | 13.1 | 2 | 0.26 | 0.2 | | | |
| 6E1 | 6E1-RW544-D-1 | 6E1-RW544-D | 1 | 75.1 | 10 | 5.18 | 0.2 | 0.31 | 0.2 | | | |
| 6E1 | 6E1-RW544-D-2 | 6E1-RW544-D | 2 | 10.4 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-A-SF | 6E1-RW552-A | SF | 42.5 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-A-1 | 6E1-RW552-A | 1 | 65.6 | 10 | 2.31 | 0.2 | | | | | 7.79 |
| 6E1 | 6E1-RW552-A-2 | 6E1-RW552-A | 2 | 101 | 10 | 2.09 | 0.2 | | | | | |
| 6E1 | 6E1-RW552-A-5 | 6E1-RW552-A | 5 | 41.8 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-B-SF | 6E1-RW552-B | SF | 47.3 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-B-1 | 6E1-RW552-B | 1 | 45.2 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-B-2 | 6E1-RW552-B | 2 | 34.1 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-B-5 | 6E1-RW552-B | 5 | 37.4 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-C-SF | 6E1-RW552-C | SF | 120 | 10 | 7.87 | 0.2 | 0.45 | 0.2 | | | |
| 6E1 | 6E1-RW552-C-1 | 6E1-RW552-C | 1 | 33.2 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-C-2 | 6E1-RW552-C | 2 | 12 | 10 | | | | | | | 7.75 |
| 6E1 | 6E1-RW552-C-3 | 6E1-RW552-C | 3 | 30.3 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-D-SF | 6E1-RW552-D | SF | 433 | 10 | 15 | 2 | 0.6 | 0.2 | | | |
| 6E1 | 6E1-RW552-D-1 | 6E1-RW552-D | 1 | 23.7 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-D-2 | 6E1-RW552-D | 2 | 5 | 10 | | | | | | | |
| 6E1 | 6E1-RW552-D-3 | 6E1-RW552-D | 3 | 27.9 | 10 | | | | | | | |
| 7E1 | 7E1-RW556ABT-A-SF | 7E1-RW556ABT-A | SF | 83 | 10 | 3.84 | 0.2 | | | | | |
| 7E1 | 7E1-RW556ABT-A-1 | 7E1-RW556ABT-A | 1 | 59.4 | 10 | 2.09 | 0.2 | | | | | |
| 7E1 | 7E1-RW556ABT-A-2 | 7E1-RW556ABT-A | 2 | 49.4 | 10 | | | | | | | |
| 7E1 | 7E1-RW556ABT-A-3 | 7E1-RW556ABT-A | 3 | 40.6 | 10 | | | | | | | |
| 7E1 | 7E1-RW556-B-SF | 7E1-RW556-B | SF | 68.4 | 10 | 3.21 | 0.2 | | | | | 6.54 |
| 7E1 | 7E1-RW556-B-1 | 7E1-RW556-B | 1 | 54.8 | 10 | 2.98 | 0.2 | | | | | |
| 7E1 | 7E1-RW556-B-2 | 7E1-RW556-B | 2 | 41 | 10 | | | | | | | |
| 7E1 | 7E1-RW556-B-3 | 7E1-RW556-B | 3 | 22.3 | 10 | | | | | | | |
| 7E1 | 7E1-RW556-C-SF | 7E1-RW556-C | SF | 67.9 | 10 | 3.49 | 0.2 | | | | | |
| 7E1 | 7E1-RW556-C-1 | 7E1-RW556-C | 1 | 111 | 10 | 3.18 | 0.2 | | | | | |
| 7E1 | 7E1-RW556-C-2 | 7E1-RW556-C | 2 | 23.9 | 10 | | | | | | | |
| 7E1 | 7E1-RW556-C-2.5 | 7E1-RW556-C | 2.5 | 5 | 10 | | | | | | | |
| 7E1 | 7E1-RW556-D-SF | 7E1-RW556-D | SF | 93.6 | 10 | 7.62 | 0.2 | ND | 0.2 | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7E1 | 7E1-RW556-D-1 | 7E1-RW556-D | 1 | 115 | 10 | 4.84 | 0.2 | | | | | 5.32 |
| 7E1 | 7E1-RW556-D-2 | 7E1-RW556-D | 2 | 5 | 10 | | | | | | | |
| 7E1 | 7E1-RW556-D-2.5 | 7E1-RW556-D | 2.5 | 16.3 | 10 | | | | | | | |
| 7E1 | 7E1-SW560ABT-A-SF | 7E1-SW560ABT-A | SF | 5 | 10 | | | | | | | |
| 7E1 | 7E1-SW560ABT-A-1 | 7E1-SW560ABT-A | 1 | 5 | 10 | | | | | | | |
| 7E1 | 7E1-SW560ABT-A-2 | 7E1-SW560ABT-A | 2 | 5 | 10 | | | | | | | |
| 7E1 | 7E1-SW560ABT-A-5 | 7E1-SW560ABT-A | 5 | 5 | 10 | | | | | | | |
| 7E1 | 7E1-SW560-B-SF | 7E1-SW560-B | SF | 50.7 | 10 | 2.01 | 0.2 | | | | | |
| 7E1 | 7E1-SW560-B-1 | 7E1-SW560-B | 1 | 13 | 10 | | | | | | | |
| 7E1 | 7E1-SW560-B-2 | 7E1-SW560-B | 2 | 12 | 10 | | | | | | | |
| 7E1 | 7E1-SW560-B-3.5 | 7E1-SW560-B | 3.5 | 11.4 | 10 | | | | | | | |
| 7E1 | 7E1-SW560-C-SF | 7E1-SW560-C | SF | 803 | 20 | 23.7 | 2 | 0.46 | 0.2 | | | |
| 7E1 | 7E1-SW560-C-1 | 7E1-SW560-C | 1 | 19.6 | 10 | | | | | | | |
| 7E1 | 7E1-SW560-C-2 | 7E1-SW560-C | 2 | 19.9 | 10 | | | | | | | 8.25 |
| 7E1 | 7E1-SW560-C-5 | 7E1-SW560-C | 5 | 16.7 | 10 | | | | | | | |
| 7E1 | 7E1-SW560-D-SF | 7E1-SW560-D | SF | 5 | 10 | | | | | | | 7.20 |
| 7E1 | 7E1-SW560-D-1 | 7E1-SW560-D | 1 | 5 | 10 | | | | | | | |
| 7E1 | 7E1-SW560-D-2 | 7E1-SW560-D | 2 | 5 | 10 | | | | | | | |
| 7E3 | 7E3-RW570ABT-A-SF | 7E3-RW570ABT-A | SF | 76.9 | 10 | 2.11 | 0.2 | | | | | |
| 7E3 | 7E3-RW570ABT-A-1 | 7E3-RW570ABT-A | 1 | 41.7 | 10 | | | | | | | |
| 7E3 | 7E3-RW570ABT-A-2 | 7E3-RW570ABT-A | 2 | 57.8 | 10 | 0.95 | 0.2 | | | | | |
| 7E3 | 7E3-RW570-B-SF | 7E3-RW570-B | SF | 42.8 | 10 | | | | | | | |
| 7E3 | 7E3-RW570-B-1 | 7E3-RW570-B | 1 | 89.6 | 10 | 2.32 | 0.2 | | | | | |
| 7E3 | 7E3-RW570-B-2 | 7E3-RW570-B | 2 | 84.5 | 10 | 1.7 | 0.2 | | | | | |
| 7E3 | 7E3-RW570-C-SF | 7E3-RW570-C | SF | 38.3 | 10 | | | | | | | |
| 7E3 | 7E3-RW570-C-1 | 7E3-RW570-C | 1 | 62.4 | 10 | 1.34 | 0.2 | | | | | |
| 7E3 | 7E3-RW570-C-2 | 7E3-RW570-C | 2 | 66 | 10 | 1.06 | 0.2 | | | | | |
| 7E3 | 7E3-RW570-D-SF | 7E3-RW570-D | SF | 67.9 | 10 | 1.69 | 0.2 | | | | | 7.76 |
| 7E3 | 7E3-RW570-D-1 | 7E3-RW570-D | 1 | 66.4 | 10 | 1.72 | 0.2 | | | | | |
| 7E3 | 7E3-RW570-D-2 | 7E3-RW570-D | 2 | 49.7 | 10 | | | | | | | |
| 7E3 | 7E3-RW586-A-SF | 7E3-RW586-A | SF | 620 | 20 | 34.9 | 2 | 0.39 | 0.2 | | | |
| 7E3 | 7E3-RW586-A-1 | 7E3-RW586-A | 1 | 32 | 10 | | | | | | | |
| 7E3 | 7E3-RW586-A-2 | 7E3-RW586-A | 2 | 17.8 | 10 | | | | | | | 7.22 |
| 7E3 | 7E3-RW586-A-5 | 7E3-RW586-A | 5 | 26 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7E3 | 7E3-RW586-B-SF | 7E3-RW586-B | SF | 448 | 10 | 18.2 | 0.2 | ND | 0.2 | | | |
| 7E3 | 7E3-RW586-B-1 | 7E3-RW586-B | 1 | 559 | 20 | 22.3 | 2 | 0.4 | 0.2 | | | |
| 7E3 | 7E3-RW586-B-2 | 7E3-RW586-B | 2 | 111 | 10 | 4.97 | 0.2 | | | | | |
| 7E3 | 7E3-RW586-B-4 | 7E3-RW586-B | 4 | 39.9 | 10 | | | | | | | |
| 7E3 | 7E3-RW586-C-SF | 7E3-RW586-C | SF | 389 | 10 | 15.9 | 0.2 | 0.4 | 0.2 | | | |
| 7E3 | 7E3-RW586-C-1 | 7E3-RW586-C | 1 | 60 | 10 | 5.03 | 0.2 | 0.2 | 0.2 | | | 7.46 |
| 7E3 | 7E3-RW586-C-2 | 7E3-RW586-C | 2 | 19.8 | 10 | | | | | | | |
| 7E3 | 7E3-RW586-C-3.5 | 7E3-RW586-C | 3.5 | 21.7 | 10 | | | | | | | |
| 7E3 | 7E3-RW586ABT-D-SF | 7E3-RW586ABT-D | SF | 144 | 10 | 7.23 | 0.2 | 0.3 | 0.2 | | | |
| 7E3 | 7E3-RW586ABT-D-1 | 7E3-RW586ABT-D | 1 | 58 | 10 | ND | 0.2 | | | | | |
| 7E3 | 7E3-RW586ABT-D-2 | 7E3-RW586ABT-D | 2 | 29.5 | 10 | | | | | | | |
| 7E3 | 7E3-RW586ABT-D-5 | 7E3-RW586ABT-D | 5 | 5 | 10 | | | | | | | |
| 7E3 | 7E3-RW68-A-SF | 7E3-RW68-A | SF | 234 | 10 | 10.1 | 0.2 | ND | 0.2 | | | |
| 7E3 | 7E3-RW68-A-1 | 7E3-RW68-A | 1 | 78.9 | 10 | 5.49 | 0.2 | ND | 0.2 | | | 8.22 |
| 7E3 | 7E3-RW68-B-SF | 7E3-RW68-B | SF | 665 | 10 | 47.7 | 2 | ND | 0.2 | | | |
| 7E3 | 7E3-RW68-B-1 | 7E3-RW68-B | 1 | 245 | 10 | 12.5 | 2 | ND | 0.2 | | | |
| 7E3 | 7E3-RW68-B-2 | 7E3-RW68-B | 2 | 5 | 10 | | | | | | | |
| 7E3 | 7E3-RW68-C-SF | 7E3-RW68-C | SF | 392 | 10 | 19.8 | 2 | ND | 0.2 | | | |
| 7E3 | 7E3-RW68-C-1 | 7E3-RW68-C | 1 | 254 | 10 | 10.8 | 0.2 | ND | 0.2 | | | |
| 7E3 | 7E3-RW68ABT-D-SF | 7E3-RW68ABT-D | SF | 568 | 20 | 28 | 2 | ND | 0.2 | | | |
| 7E3 | 7E3-RW68ABT-D-1 | 7E3-RW68ABT-D | 1 | 175 | 10 | 9.61 | 0.2 | ND | 0.2 | | | |
| 8E1 | 8E1-RW590ABT-A-SF | 8E1-RW590ABT-A | SF | 1,050 | 100 | | | | | 0.62 | 0.1 | 5.32 |
| 8E1 | 8E1-RW590ABT-A-1 | 8E1-RW590ABT-A | 1 | 228 | 10 | 12.8 | 2 | 0.23 | 0.2 | | | |
| 8E1 | 8E1-RW590ABT-A-1.5 | 8E1-RW590ABT-A | 1.5 | 280 | 10 | 16.1 | 0.4 | ND | 0.2 | | | |
| 8E1 | 8E1-RW590-B-SF | 8E1-RW590-B | SF | 671 | 20 | 34.6 | 1 | 0.46 | 0.2 | | | |
| 8E1 | 8E1-RW590-B-1 | 8E1-RW590-B | 1 | 85.9 | 10 | 5.98 | 0.2 | ND | 0.2 | | | |
| 8E1 | 8E1-RW590-B-2 | 8E1-RW590-B | 2 | 17 | 10 | | | | | | | |
| 8E1 | 8E1-RW590-B-3 | 8E1-RW590-B | 3 | 14.4 | 10 | | | | | | | |
| 8E1 | 8E1-RW590-C-SF | 8E1-RW590-C | SF | 472 | 10 | 37.4 | 1 | 0.31 | 0.2 | | | |
| 8E1 | 8E1-RW590-C-1 | 8E1-RW590-C | 1 | 155 | 10 | 11.8 | 0.4 | 0.28 | 0.2 | | | |
| 8E1 | 8E1-RW590-C-2 | 8E1-RW590-C | 2 | 101 | 10 | 8.17 | 0.2 | ND | 0.2 | | | |
| 8E1 | 8E1-RW590-C-2.5 | 8E1-RW590-C | 2.5 | 963 | 10 | 5.73 | 0.2 | 0.23 | 0.2 | | | |
| 8E1 | 8E1-RW590-D-SF | 8E1-RW590-D | SF | 674 | 20 | 47.7 | 2 | ND | 0.2 | | | |
| 8E1 | 8E1-RW590-D-1 | 8E1-RW590-D | 1 | 96.1 | 10 | 8.84 | 0.2 | ND | 0.2 | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8E1 | 8E1-RW590-D-2 | 8E1-RW590-D | 2 | 105 | 10 | 10.3 | 0.2 | ND | 0.2 | | | |
| 8E1 | 8E1-RW590-D-2.5 | 8E1-RW590-D | 2.5 | 98.6 | 10 | 12.2 | 2 | ND | 0.2 | | | |
| 8E5 | 8E5-RW100-A-SF | 8E5-RW100-A | SF | 75.2 | 10 | 5.5 | 0.2 | 0.48 | 0.2 | | | |
| 8E5 | 8E5-RW100-A-1 | 8E5-RW100-A | 1 | 15.1 | 10 | | | | | | | 7.45 |
| 8E5 | 8E5-RW100-A-2 | 8E5-RW100-A | 2 | 5 | 10 | | | | | | | |
| 8E5 | 8E5-RW100-A-3 | 8E5-RW100-A | 3 | 13.3 | 10 | | | | | | | |
| 8E5 | 8E5-RW100-B-SF | 8E5-RW100-B | SF | 332 | 10 | 16.5 | 2 | ND | 0.2 | | | |
| 8E5 | 8E5-RW100-B-1 | 8E5-RW100-B | 1 | 329 | 10 | 17.3 | 2 | ND | 0.2 | | | |
| 8E5 | 8E5-RW100-B-2 | 8E5-RW100-B | 2 | 5 | 10 | | | | | | | |
| 8E5 | 8E5-RW100-B-5 | 8E5-RW100-B | 5 | 13.1 | 10 | | | | | | | |
| 8E5 | 8E5-RW100-C-SF | 8E5-RW100-C | SF | 139 | 10 | 3.7 | 0.2 | | | | | |
| 8E5 | 8E5-RW100-C-1 | 8E5-RW100-C | 1 | 109 | 10 | 5.39 | 0.2 | ND | 0.2 | | | |
| 8E5 | 8E5-RW100-C-2 | 8E5-RW100-C | 2 | 5 | 10 | | | | | | | 7.41 |
| 8E5 | 8E5-RW100-D-SF | 8E5-RW100-D | SF | 738 | 20 | 10.3 | 0.4 | ND | 0.2 | | | |
| 8E5 | 8E5-RW100-D-1 | 8E5-RW100-D | 1 | 60.4 | 10 | 2.49 | 0.2 | | | | | |
| 8E5 | 8E5-RW100-D-2 | 8E5-RW100-D | 2 | 37 | 10 | | | | | | | |
| 8E5 | 8E5-RW100-D-5 | 8E5-RW100-D | 5 | 5 | 10 | | | | | | | |
| 8E6 | 8E6-RW58ABT-A-SF | 8E6-RW58ABT-A | SF | 82 | 10 | 4.49 | 0.2 | | | | | |
| 8E6 | 8E6-RW58ABT-A-1 | 8E6-RW58ABT-A | 1 | 77.9 | 10 | 4.76 | 0.2 | | | | | |
| 8E6 | 8E6-RW58ABT-A-2 | 8E6-RW58ABT-A | 2 | 33 | 10 | | | | | | | |
| 8E6 | 8E6-RW58-B-SF | 8E6-RW58-B | SF | 189 | 10 | 7.21 | 0.2 | ND | 0.2 | | | 7.18 |
| 8E6 | 8E6-RW58-B-1 | 8E6-RW58-B | 1 | 183 | 10 | 10.7 | 0.2 | 0.38 | 0.2 | | | |
| 8E6 | 8E6-RW58-C-SF | 8E6-RW58-C | SF | 129 | 10 | 5.58 | 0.2 | ND | 0.2 | | | |
| 8E6 | 8E6-RW58-C-1 | 8E6-RW58-C | 1 | 64.4 | 10 | 3.13 | 0.2 | | | | | |
| 8E6 | 8E6-RW58-C-2 | 8E6-RW58-C | 2 | 73.8 | 10 | 2.7 | 0.2 | | | | | |
| 8E6 | 8E6-RW58-C-2.5 | 8E6-RW58-C | 2.5 | 64 | 10 | 1.33 | 0.2 | | | | | |
| 8E6 | 8E6-RW58-D-SF | 8E6-RW58-D | SF | 148 | 10 | 8.61 | 0.2 | 0.21 | 0.2 | | | |
| 8E6 | 8E6-RW58-D-1 | 8E6-RW58-D | 1 | 137 | 10 | 5.34 | 0.2 | ND | 0.2 | | | |
| 8E6 | 8E6-RW58-D-2 | 8E6-RW58-D | 2 | 177 | 10 | 8.38 | 0.2 | 0.28 | 0.2 | | | 6.42 |
| 8E6 | 8E6-RW58-D-2.5 | 8E6-RW58-D | 2.5 | 137 | 10 | 5.12 | 0.2 | ND | 0.2 | | | |
| 9E | 9E-RW621-A-SF | 9E-RW621-A | SF | 1,230 | 50 | | | | | 0.42 | 0.1 | 6.94 |
| 9E | 9E-RW621-A-1 | 9E-RW621-A | 1 | 107 | 10 | 21.6 | 2 | ND | 0.2 | | | |
| 9E | 9E-RW621-A-2 | 9E-RW621-A | 2 | 139 | 10 | 5.53 | 0.2 | ND | 0.2 | | | |
| 9E | 9E-RW621-B-SF | 9E-RW621-B | SF | 598 | 20 | 74.6 | 2 | ND | 0.2 | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9E | 9E-RW621-B-1 | 9E-RW621-B | 1 | 116 | 10 | 14.7 | 0.4 | ND | 0.2 | | | 7.72 |
| 9E | 9E-RW621-B-2 | 9E-RW621-B | 2 | 141 | 10 | 5.37 | 0.2 | ND | 0.2 | | | |
| 9E | 9E-RW621-C-SF | 9E-RW621-C | SF | 352 | 10 | 14.4 | 0.4 | ND | 0.2 | | | 7.66 |
| 9E | 9E-RW621-C-1 | 9E-RW621-C | 1 | 275 | 10 | 20.1 | 0.4 | ND | 0.2 | | | |
| 9E | 9E-RW621-D-SF | 9E-RW621-D | SF | 899 | 50 | 54.9 | 2 | ND | 0.2 | | | |
| **Retaining Wall Locations - Westbound** | | | | | | | | | | | | |
| 9E | 9E-RW621-D-1 | 9E-RW621-D | 1 | 138 | 10 | 8.98 | 0.2 | ND | 0.2 | | | 7.30 |
| 1W1 | 1W1-RW489-A-SF | 1W1-RW489-A | SF | 420 | 10 | 6.79 | 0.2 | 0.28 | 0.2 | | | 7.63 |
| 1W1 | 1W1-RW489-A-1 | 1W1-RW489-A | 1 | 100 | 10 | 2.69 | 0.2 | | | | | |
| 1W1 | 1W1-RW489-A-2 | 1W1-RW489-A | 2 | 18.5 | 10 | | | | | | | |
| 1W1 | 1W1-RW489-A-5 | 1W1-RW489-A | 5 | 252 | 10 | 9.42 | 0.2 | 0.31 | 0.2 | | | |
| 1W1 | 1W1-RW489-B-SF | 1W1-RW489-B | SF | 93.6 | 10 | 3.03 | 0.2 | | | | | 7.5 |
| 1W1 | 1W1-RW489-B-1 | 1W1-RW489-B | 1 | 334 | 10 | 16.5 | 2 | 0.36 | 0.2 | | | |
| 1W1 | 1W1-RW489-B-2 | 1W1-RW489-B | 2 | 202 | 10 | 6.76 | 0.2 | 0.35 | 0.2 | | | |
| 1W1 | 1W1-RW489-B-5 | 1W1-RW489-B | 5 | 12 | 10 | | | | | | | |
| 1W1 | 1W1-RW489-C-SF | 1W1-RW489-C | SF | 382 | 10 | 21.7 | 2 | 0.28 | 0.2 | | | |
| 1W1 | 1W1-RW489-C-1 | 1W1-RW489-C | 1 | 30 | 10 | | | | | | | 8.15 |
| 1W1 | 1W1-RW489-C-2 | 1W1-RW489-C | 2 | 13.1 | 10 | | | | | | | |
| 1W1 | 1W1-RW489-C-5 | 1W1-RW489-C | 5 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW489ABT-D-SF | 1W1-RW489ABT-D | SF | 454 | 10 | 9.54 | 0.2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW489ABT-D-1 | 1W1-RW489ABT-D | 1 | 175 | 10 | 4.84 | 0.2 | | | | | |
| 1W1 | 1W1-RW489ABT-D-2 | 1W1-RW489ABT-D | 2 | 49.2 | 10 | | | | | | | |
| 1W1 | 1W1-RW489ABT-D-5 | 1W1-RW489ABT-D | 5 | 12.7 | 10 | | | | | | | |
| 1W1 | 1W1-RW497ABT-A-SF | 1W1-RW497ABT-A | SF | 116 | 10 | 3.96 | 0.2 | | | | | |
| 1W1 | 1W1-RW497ABT-A-1 | 1W1-RW497ABT-A | 1 | 877 | 20 | 24.5 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW497ABT-A-2 | 1W1-RW497ABT-A | 2 | 454 | 10 | 22.9 | 2 | 0.27 | 0.2 | | | |
| 1W1 | 1W1-RW497ABT-A-5 | 1W1-RW497ABT-A | 5 | 143 | 10 | 1.11 | 0.2 | | | | | |
| 1W1 | 1W1-RW497-B-SF | 1W1-RW497-B | SF | 144 | 10 | 5.32 | 0.2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW497-B-1 | 1W1-RW497-B | 1 | 196 | 10 | 8.58 | 0.2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW497-B-2 | 1W1-RW497-B | 2 | 33 | 10 | | | | | | | |
| 1W1 | 1W1-RW497-B-5 | 1W1-RW497-B | 5 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW497-C-SF | 1W1-RW497-C | SF | 2,960 | 100 | | | | | 8.12 | 0.1 | |
| 1W1 | 1W1-RW497-C-1 | 1W1-RW497-C | 1 | 12.6 | 10 | | | | | | | |
| 1W1 | 1W1-RW497-C-2 | 1W1-RW497-C | 2 | 10.9 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W1 | 1W1-RW497-C-5 | 1W1-RW497-C | 5 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW497-D-SF | 1W1-RW497-D | SF | 1,160 | 100 | | | | | 13.4 | 1.0 | |
| 1W1 | 1W1-RW497-D-1 | 1W1-RW497-D | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW497-D-2 | 1W1-RW497-D | 2 | 12.8 | 10 | | | | | | | 8.36 |
| 1W1 | 1W1-RW497-D-5 | 1W1-RW497-D | 5 | 41.1 | 10 | | | | | | | |
| 1W1 | 1W1-RW505ABT-A-SF | 1W1-RW505ABT-A | SF | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW505ABT-A-1 | 1W1-RW505ABT-A | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW505ABT-A-2 | 1W1-RW505ABT-A | 2 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW505ABT-A-4 | 1W1-RW505ABT-A | 4 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW505-B-SF | 1W1-RW505-B | SF | 804 | 20 | 58.7 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW505-B-1 | 1W1-RW505-B | 1 | 279 | 10 | 20.3 | 2 | ND | 0.2 | | | 6.93 |
| 1W1 | 1W1-RW505-B-2 | 1W1-RW505-B | 2 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW505-B-3 | 1W1-RW505-B | 3 | 65.2 | 10 | 0.59 | 0.2 | | | | | |
| 1W1 | 1W1-RW505-C-SF | 1W1-RW505-C | SF | 72.6 | 10 | 3.74 | 0.2 | | | | | |
| 1W1 | 1W1-RW505-C-1 | 1W1-RW505-C | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW505-C-2 | 1W1-RW505-C | 2 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW505-D-SF | 1W1-RW505-D | SF | 414 | 10 | 29.9 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW505-D-1 | 1W1-RW505-D | 1 | 15.2 | 10 | | | | | | | |
| 1W1 | 1W1-RW505-D-2 | 1W1-RW505-D | 2 | 18.3 | 10 | | | | | | | |
| 1W1 | 1W1-RW505-D-3 | 1W1-RW505-D | 3 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW505ABT-E-SF | 1W1-RW505ABT-E | SF | 880 | 20 | 46.1 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW505ABT-E-1 | 1W1-RW505ABT-E | 1 | 465 | 10 | 33.7 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW505ABT-E-2 | 1W1-RW505ABT-E | 2 | 10.8 | 10 | | | | | | | |
| 1W1 | 1W1-RW515ABT-A-SF | 1W1-RW515ABT-A | SF | 1,620 | 100 | | | | | 1.08 | 0.1 | |
| 1W1 | 1W1-RW515ABT-A-1 | 1W1-RW515ABT-A | 1 | 14.9 | 10 | | | | | | | |
| 1W1 | 1W1-RW515ABT-A-2 | 1W1-RW515ABT-A | 2 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW515-B-SF | 1W1-RW515-B | SF | 1,610 | 100 | | | | | 0.88 | 0.1 | 6.09 |
| 1W1 | 1W1-RW515-B-1 | 1W1-RW515-B | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW515-B-2 | 1W1-RW515-B | 2 | 25 | 10 | | | | | | | |
| 1W1 | 1W1-RW515-B-5 | 1W1-RW515-B | 5 | 22.4 | 10 | | | | | | | |
| 1W1 | 1W1-RW523-A-SF | 1W1-RW523-A | SF | 262 | 10 | 26.5 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW523-A-1 | 1W1-RW523-A | 1 | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW523-A-2 | 1W1-RW523-A | 2 | 5 | 10 | | | | | | | 7.64 |
| 1W1 | 1W1-RW523-A-5 | 1W1-RW523-A | 5 | 5 | 10 | | | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W1 | 1W1-RW523-B-SF | 1W1-RW523-B | SF | 804 | 20 | 13.5 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW523-B-1 | 1W1-RW523-B | 1 | 225 | 10 | 9.04 | 0.2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW523-B-1.5 | 1W1-RW523-B | 1.5 | 359 | 10 | 30.2 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW523ABT-C-SF | 1W1-RW523ABT-C | SF | 1,130 | 50 | | | | | 0.37 | 0.1 | |
| 1W1 | 1W1-RW523ABT-C-1 | 1W1-RW523ABT-C | 1 | 238 | 10 | 12.9 | 2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW523ABT-C-2 | 1W1-RW523ABT-C | 2 | 128 | 10 | 5.7 | 0.2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW523ABT-C-5 | 1W1-RW523ABT-C | 5 | 127 | 10 | 7.54 | 0.2 | ND | 0.2 | | | |
| 1W1 | 1W1-RW99-A-SF | 1W1-RW99-A | SF | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW99-A-1 | 1W1-RW99-A | 1 | 13 | 10 | | | | | | | |
| 1W1 | 1W1-RW99-A-2 | 1W1-RW99-A | 2 | 5 | 10 | | | | | | | 7.96 |
| 1W1 | 1W1-RW99-B-SF | 1W1-RW99-B | SF | 5 | 10 | | | | | | | |
| 1W1 | 1W1-RW99-B-1 | 1W1-RW99-B | 1 | 36.7 | 10 | | | | | | | |
| 1W1 | 1W1-RW99-B-2 | 1W1-RW99-B | 2 | 23.9 | 10 | | | | | | | |
| 1W1 | 1W1-RW99ABT-C-SF | 1W1-RW99ABT-C | SF | 19.7 | 10 | | | | | | | 8.09 |
| 1W1 | 1W1-RW99ABT-C-1 | 1W1-RW99ABT-C | 1 | 13.9 | 10 | | | | | | | |
| 1W1 | 1W1-RW99ABT-D-SF | 1W1-RW99ABT-D | SF | 64 | 10 | 2.9 | 0.2 | | | | | |
| 1W1 | 1W1-RW99ABT-D-1 | 1W1-RW99ABT-D | 1 | 60.7 | 10 | 1.53 | 0.2 | | | | | |
| 1W1 | 1W1-RW99ABT-D-2 | 1W1-RW99ABT-D | 2 | 21.4 | 10 | | | | | | | |
| 1W1 | 1W1-RW99ABT-D-3 | 1W1-RW99ABT-D | 3 | 24.4 | 10 | | | | | | | |
| 2W1 | 2W1-RW29-B-SF | 2W1-RW29-B | SF | 794 | 20 | 42.7 | 2 | 0.21 | 0.2 | | | 5.78 |
| 2W1 | 2W1-RW29-B-1 | 2W1-RW29-B | 1 | 814 | 20 | 20.6 | 2 | 0.33 | 0.2 | | | 5.84 |
| 2W1 | 2W1-RW29-B-1.5 | 2W1-RW29-B | 1.5 | 757 | 20 | 34.2 | 2 | ND | 0.2 | | | |
| 2W1 | 2W1-RW29-C-SF | 2W1-RW29-C | SF | 351 | 10 | 18.5 | 2 | ND | 0.2 | | | 6.58 |
| 2W1 | 2W1-RW29-C-1 | 2W1-RW29-C | 1 | 371 | 10 | 15.4 | 2 | ND | 0.2 | | | |
| 2W1 | 2W1-RW29-C-2 | 2W1-RW29-C | 2 | 316 | 10 | 18.8 | 2 | ND | 0.2 | | | |
| 2W1 | 2W1-RW29-C-3 | 2W1-RW29-C | 3 | 159 | 10 | 10.3 | 2 | 0.23 | 0.2 | | | |
| 2W1 | 2W1-RW29-D-SF | 2W1-RW29-D | SF | 235 | 10 | 13.3 | 2 | ND | 0.2 | | | |
| 2W1 | 2W1-RW29-D-1 | 2W1-RW29-D | 1 | 56.6 | 10 | 3.08 | 0.2 | | | | | 6.57 |
| 3W1 | 3W1-RW535ABT-A-SF | 3W1-RW535ABT-A | SF | 398 | 10 | 9.75 | 0.2 | ND | 0.2 | | | |
| 3W1 | 3W1-RW535ABT-A-1 | 3W1-RW535ABT-A | 1 | 65.9 | 10 | 2.19 | 0.2 | | | | | |
| 3W1 | 3W1-RW535ABT-A-2 | 3W1-RW535ABT-A | 2 | 5 | 10 | | | | | | | |
| 3W1 | 3W1-RW535ABT-A-5 | 3W1-RW535ABT-A | 5 | 11.7 | 10 | | | | | | | |
| 3W1 | 3W1-RW535-B-SF | 3W1-RW535-B | SF | 78.9 | 10 | 3.17 | 0.2 | | | | | 7.75 |
| 3W1 | 3W1-RW535-B-1 | 3W1-RW535-B | 1 | 110 | 10 | 3.83 | 0.2 | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W1 | 3W1-RW535-B-2 | 3W1-RW535-B | 2 | 89.9 | 10 | 1.58 | 0.2 | | | | | |
| 3W1 | 3W1-RW535-B-4.5 | 3W1-RW535-B | 4.5 | 99.8 | 10 | 1.82 | 0.2 | | | | | |
| 3W1 | 3W1-RW535-C-SF | 3W1-RW535-C | SF | 423 | 10 | 15.3 | 2 | ND | 0.2 | | | |
| 3W1 | 3W1-RW535-C-1 | 3W1-RW535-C | 1 | 35 | 10 | | | | | | | |
| 3W1 | 3W1-RW535-C-2 | 3W1-RW535-C | 2 | 22.5 | 10 | | | | | | | |
| 3W1 | 3W1-RW535-C-5 | 3W1-RW535-C | 5 | 5 | 10 | | | | | | | |
| 3W1 | 3W1-RW535-D-SF | 3W1-RW535-D | SF | 1,120 | 100 | | | | | 0.67 | 0.1 | |
| 3W1 | 3W1-RW535-D-1 | 3W1-RW535-D | 1 | 48.1 | 10 | | | | | | | 7.69 |
| 3W1 | 3W1-RW535-D-2 | 3W1-RW535-D | 2 | 41.6 | 10 | | | | | | | |
| 3W1 | 3W1-RW535-D-5 | 3W1-RW535-D | 5 | 10.4 | 10 | | | | | | | |
| 3W6 | 3W6-RW547-A-SF | 3W6-RW547-A | SF | 177 | 10 | 9.97 | 0.2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW547-A-1 | 3W6-RW547-A | 1 | 15.1 | 10 | | | | | | | |
| 3W6 | 3W6-RW547-A-2 | 3W6-RW547-A | 2 | 5 | 10 | | | | | | | 7.91 |
| 3W6 | 3W6-RW547-A-5 | 3W6-RW547-A | 5 | 5 | 10 | | | | | | | |
| 3W6 | 3W6-RW547-B-SF | 3W6-RW547-B | SF | 171 | 10 | 10.5 | 0.4 | 0.25 | 0.2 | | | |
| 3W6 | 3W6-RW547-B-1 | 3W6-RW547-B | 1 | 83.3 | 10 | 4.41 | 0.2 | | | | | |
| 3W6 | 3W6-RW547-B-2 | 3W6-RW547-B | 2 | 5 | 10 | | | | | | | |
| 3W6 | 3W6-RW547-B-5 | 3W6-RW547-B | 5 | 138 | 10 | 0.43 | 0.2 | | | | | |
| 3W6 | 3W6-RW547-C-SF | 3W6-RW547-C | SF | 478 | 10 | 21.7 | 2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW547-C-1 | 3W6-RW547-C | 1 | 86.5 | 10 | 8.31 | 0.2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW547-C-2 | 3W6-RW547-C | 2 | 5 | 10 | | | | | | | 7.75 |
| 3W6 | 3W6-RW547-C-4 | 3W6-RW547-C | 4 | 33.2 | 10 | | | | | | | |
| 3W6 | 3W6-RW547ABT-D-SF | 3W6-RW547ABT-D | SF | 140 | 10 | 8.18 | 0.2 | 0.41 | 0.2 | | | |
| 3W6 | 3W6-RW547ABT-D-1 | 3W6-RW547ABT-D | 1 | 110 | 10 | 2.69 | 0.2 | | | | | |
| 3W6 | 3W6-RW547ABT-D-2 | 3W6-RW547ABT-D | 2 | 43.9 | 10 | | | | | | | |
| 3W6 | 3W6-RW547ABT-D-5 | 3W6-RW547ABT-D | 5 | 32.1 | 10 | | | | | | | |
| 3W6 | 3W6-RW553ABT-A-SF | 3W6-RW553ABT-A | SF | 727 | 20 | 50.2 | 2 | 0.4 | 0.2 | | | |
| 3W6 | 3W6-RW553ABT-A-1 | 3W6-RW553ABT-A | 1 | 665 | 20 | 44.6 | 2 | 0.61 | 0.2 | | | |
| 3W6 | 3W6-RW553ABT-A-2 | 3W6-RW553ABT-A | 2 | 203 | 10 | 18.3 | 2 | 0.47 | 0.2 | | | |
| 3W6 | 3W6-RW553-B-SF | 3W6-RW553-B | SF | 245 | 10 | 15.6 | 0.4 | 0.23 | 0.2 | | | 7.40 |
| 3W6 | 3W6-RW553-B-1 | 3W6-RW553-B | 1 | 152 | 10 | 8.97 | 0.2 | 0.25 | 0.2 | | | |
| 3W6 | 3W6-RW553-B-2 | 3W6-RW553-B | 2 | 150 | 10 | 7.62 | 0.2 | 0.2 | 0.2 | | | |
| 3W6 | 3W6-RW553-B-5 | 3W6-RW553-B | 5 | 119 | 10 | 5.55 | 0.2 | 0.23 | 0.2 | | | |
| 3W6 | 3W6-RW553-C-SF | 3W6-RW553-C | SF | 340 | 10 | 24.1 | 2 | ND | 0.2 | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W6 | 3W6-RW553-C-1 | 3W6-RW553-C | 1 | 369 | 10 | 17.4 | 0.4 | ND | 0.2 | | | |
| 3W6 | 3W6-RW553-C-2 | 3W6-RW553-C | 2 | 87.4 | 10 | 5.69 | 0.2 | 0.24 | 0.2 | | | 7.72 |
| 3W6 | 3W6-RW553-C-4.5 | 3W6-RW553-C | 4.5 | 69.7 | 10 | 4.06 | 0.2 | | | | | |
| 3W6 | 3W6-RW553ABT-D-SF | 3W6-RW553ABT-D | SF | 643 | 20 | 44.5 | 2 | 0.57 | 0.2 | | | |
| 3W6 | 3W6-RW553ABT-D-1 | 3W6-RW553ABT-D | 1 | 505 | 10 | 42.8 | 2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW553ABT-D-2 | 3W6-RW553ABT-D | 2 | 251 | 10 | 13.9 | 2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW553ABT-D-3 | 3W6-RW553ABT-D | 3 | 119 | 10 | 9.58 | 0.2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW557ABT-A-SF | 3W6-RW557ABT-A | SF | 388 | 10 | 27.7 | 2 | 0.39 | 0.2 | | | |
| 3W6 | 3W6-RW557ABT-A-1 | 3W6-RW557ABT-A | 1 | 289 | 10 | 10.3 | 0.2 | 0.5 | 0.2 | | | |
| 3W6 | 3W6-RW557ABT-A-2 | 3W6-RW557ABT-A | 2 | 148 | 10 | 2.69 | 0.2 | | | | | |
| 3W6 | 3W6-RW557ABT-A-2.5 | 3W6-RW557ABT-A | 2.5 | 137 | 10 | 3.83 | 0.2 | | | | | |
| 3W6 | 3W6-RW557-B-SF | 3W6-RW557-B | SF | 1,050 | 50 | | | | | 1.75 | 0.1 | |
| 3W6 | 3W6-RW557-B-1 | 3W6-RW557-B | 1 | 294 | 10 | 23.7 | 2 | 0.5 | 0.2 | | | 7.64 |
| 3W6 | 3W6-RW557-B-2 | 3W6-RW557-B | 2 | 151 | 10 | 10.3 | 0.2 | 0.44 | 0.2 | | | |
| 3W6 | 3W6-RW557-C-SF | 3W6-RW557-C | SF | 703 | 20 | 52.4 | 2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW557-C-1 | 3W6-RW557-C | 1 | 14.2 | 10 | | | | | | | |
| 3W6 | 3W6-RW557-C-2 | 3W6-RW557-C | 2 | 34.2 | 10 | | | | | | | |
| 3W6 | 3W6-RW557-C-3 | 3W6-RW557-C | 3 | 57.7 | 10 | 8.44 | 0.2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW557-D-SF | 3W6-RW557-D | SF | 650 | 20 | 41.8 | 2 | ND | 0.2 | | | |
| 3W6 | 3W6-RW557-D-1 | 3W6-RW557-D | 1 | 170 | 10 | 17.1 | 0.4 | ND | 0.2 | | | |
| 3W6 | 3W6-RW557-D-2 | 3W6-RW557-D | 2 | 140 | 10 | 9.99 | 0.2 | ND | 0.2 | | | 8.34 |
| 3W7 | 3W7-RW49-A-SF | 3W7-RW49-A | SF | 1,320 | 50 | | | | | 1.69 | 0.1 | 7.18 |
| 3W7 | 3W7-RW49-A-1 | 3W7-RW49-A | 1 | 56.7 | 10 | 2.17 | 0.2 | | | | | |
| 3W7 | 3W7-RW49-B-SF | 3W7-RW49-B | SF | 191 | 10 | 6.65 | 0.2 | 0.21 | 0.2 | | | |
| 3W7 | 3W7-RW49-B-1 | 3W7-RW49-B | 1 | 20.6 | 10 | | | | | | | |
| 3W7 | 3W7-RW49-B-2 | 3W7-RW49-B | 2 | 252 | 10 | 14 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW49-B-3 | 3W7-RW49-B | 3 | 46.3 | 10 | | | | | | | |
| 3W7 | 3W7-RW49-C-SF | 3W7-RW49-C | SF | 236 | 10 | 18.6 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW49-C-1 | 3W7-RW49-C | 1 | 5 | 10 | | | | | | | |
| 3W7 | 3W7-RW49ABT-D-SF | 3W7-RW49ABT-D | SF | 5 | 10 | | | | | | | |
| 3W7 | 3W7-RW49ABT-D-1 | 3W7-RW49ABT-D | 1 | 15.8 | 10 | | | | | | | |
| 3W7 | 3W7-RW49ABT-D-2 | 3W7-RW49ABT-D | 2 | 5 | 10 | | | | | | | |
| 3W7 | 3W7-RW567-A-SF | 3W7-RW567-A | SF | 114 | 10 | 4.49 | 0.2 | | | | | 7.86 |
| 3W7 | 3W7-RW567-A-1 | 3W7-RW567-A | 1 | 99.4 | 10 | 4.5 | 0.2 | | | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W7 | 3W7-RW567-A-2 | 3W7-RW567-A | 2 | 13.2 | 10 | | | | | | | |
| 3W7 | 3W7-RW567-A-4 | 3W7-RW567-A | 4 | 60.3 | 10 | 1.96 | 0.2 | | | | | |
| 3W7 | 3W7-RW567-B-SF | 3W7-RW567-B | SF | 49.1 | 10 | | | | | | | |
| 3W7 | 3W7-RW567-B-1 | 3W7-RW567-B | 1 | 60.1 | 10 | 3.54 | 0.2 | | | | | |
| 3W7 | 3W7-RW567-B-2 | 3W7-RW567-B | 2 | 71.8 | 10 | 5.64 | 0.2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW567-C-SF | 3W7-RW567-C | SF | 143 | 10 | 10.4 | 0.2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW567-C-1 | 3W7-RW567-C | 1 | 366 | 10 | 20 | 2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW567-C-2 | 3W7-RW567-C | 2 | 97.7 | 10 | 7.64 | 0.2 | ND | 0.2 | | | 7.44 |
| 3W7 | 3W7-RW567ABT-D-SF | 3W7-RW567ABT-D | SF | 108 | 10 | 30.8 | 2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW567ABT-D-1 | 3W7-RW567ABT-D | 1 | 5 | 10 | | | | | | | |
| 3W7 | 3W7-RW571ABT-A-SF | 3W7-RW571ABT-A | SF | 194 | 10 | 9.19 | 0.2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW571ABT-A-1 | 3W7-RW571ABT-A | 1 | 186 | 10 | 7.47 | 0.2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW571ABT-A-2 | 3W7-RW571ABT-A | 2 | 140 | 10 | 14.4 | 2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW571ABT-A-3.5 | 3W7-RW571ABT-A | 3.5 | 55 | 10 | 3.57 | 0.2 | | | | | |
| 3W7 | 3W7-RW571-B-SF | 3W7-RW571-B | SF | 3,000 | 100 | | | | | 7.18 | 0.1 | 6.09 |
| 3W7 | 3W7-RW571-B-1 | 3W7-RW571-B | 1 | 901 | 20 | 79.4 | 2 | 0.21 | 0.2 | | | |
| 3W7 | 3W7-RW571-B-2 | 3W7-RW571-B | 2 | 316 | 10 | 32.6 | 2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW571-C-SF | 3W7-RW571-C | SF | 30.2 | 10 | | | | | | | |
| 3W7 | 3W7-RW571-C-1 | 3W7-RW571-C | 1 | 3,350 | 100 | | | | | 5.34 | 0.1 | 5.91 |
| 3W7 | 3W7-RW571-C-2 | 3W7-RW571-C | 2 | 616 | 20 | 43.4 | 2 | 0.37 | 0.2 | | | |
| 3W7 | 3W7-RW571-C-3 | 3W7-RW571-C | 3 | 556 | 20 | 45.8 | 2 | 0.34 | 0.2 | | | |
| 3W7 | 3W7-RW571-D-SF | 3W7-RW571-D | SF | 69.7 | 10 | 5.2 | 0.2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW571-D-1 | 3W7-RW571-D | 1 | 76.5 | 10 | 5.01 | 0.2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW571-D-2 | 3W7-RW571-D | 2 | 203 | 10 | 14.8 | 0.4 | 0.23 | 0.2 | | | |
| 3W7 | 3W7-RW571-D-3 | 3W7-RW571-D | 3 | 163 | 10 | 13.3 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW587-A-SF | 3W7-RW587-A | SF | 17.2 | 10 | | | | | | | 8.33 |
| 3W7 | 3W7-RW587-A-1 | 3W7-RW587-A | 1 | 29.3 | 10 | | | | | | | |
| 3W7 | 3W7-RW587-A-2 | 3W7-RW587-A | 2 | 22.2 | 10 | | | | | | | |
| 3W7 | 3W7-RW587-B-SF | 3W7-RW587-B | SF | 19.7 | 10 | | | | | | | |
| 3W7 | 3W7-RW587-B-1 | 3W7-RW587-B | 1 | 13.2 | 10 | | | | | | | |
| 3W7 | 3W7-RW587-B-2 | 3W7-RW587-B | 2 | 32.8 | 10 | | | | | | | |
| 3W7 | 3W7-RW587-C-SF | 3W7-RW587-C | SF | 175 | 10 | 13.1 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW587-C-1 | 3W7-RW587-C | 1 | 207 | 10 | 15.2 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW587-C-2 | 3W7-RW587-C | 2 | 199 | 10 | 8.82 | 0.2 | ND | 0.2 | | | |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

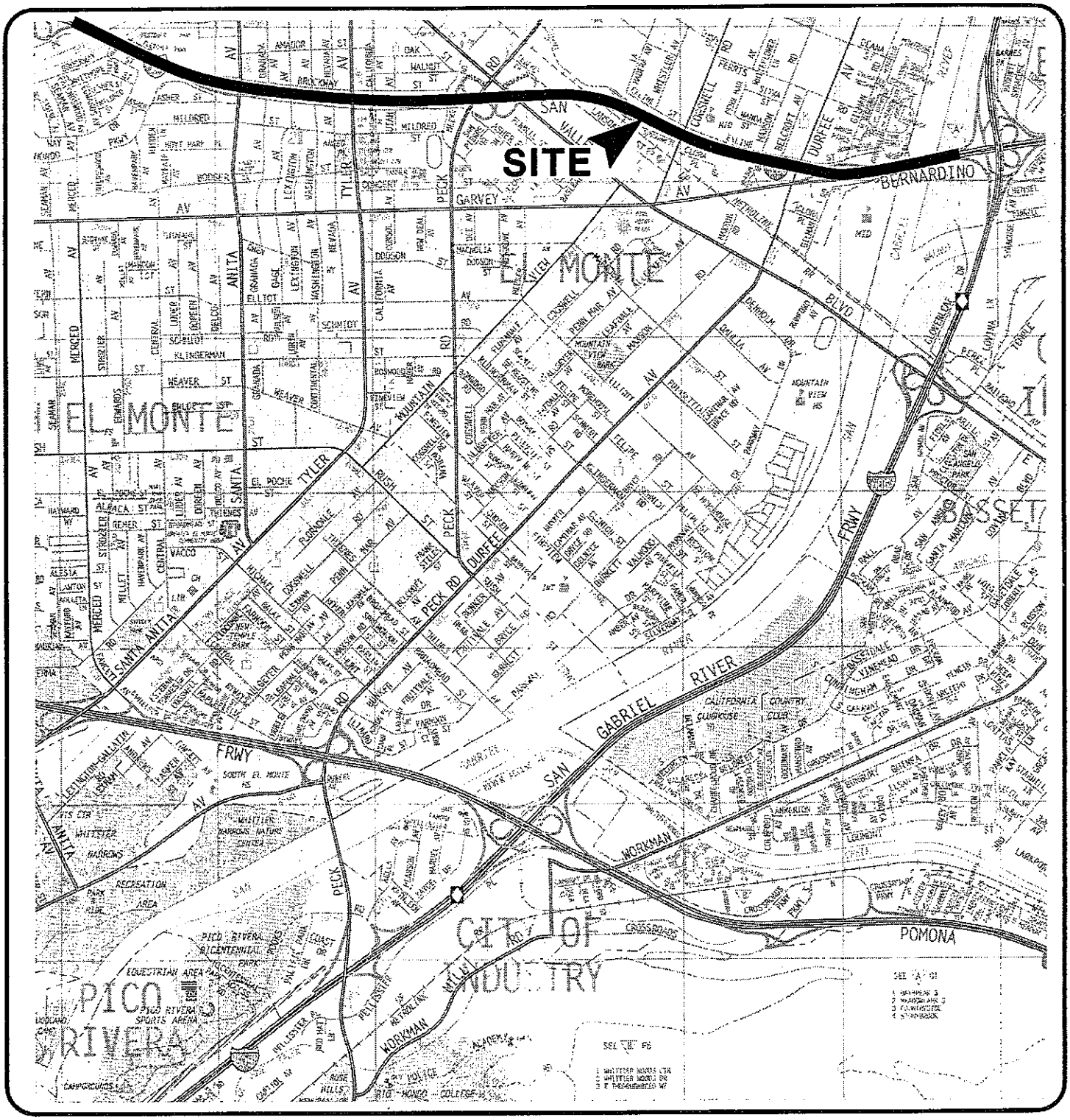
| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W7 | 3W7-RW587ABT-D-SF | 3W7-RW587ABT-D | SF | 224 | 10 | 13.8 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW587ABT-D-1 | 3W7-RW587ABT-D | 1 | 173 | 10 | 13.8 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW587ABT-D-2 | 3W7-RW587ABT-D | 2 | 33 | 10 | | | | | | | |
| 3W7 | 3W7-RW587ABT-D-5 | 3W7-RW587ABT-D | 5 | 11.7 | 10 | | | | | | | |
| 3W7 | 3W7-RW591ABT-A-SF | 3W7-RW591ABT-A | SF | 61.4 | 10 | 3.35 | 0.2 | | | | | |
| 3W7 | 3W7-RW591ABT-A-1 | 3W7-RW591ABT-A | 1 | 5 | 10 | | | | | | | |
| 3W7 | 3W7-RW591-B-SF | 3W7-RW591-B | SF | 208 | 10 | 13 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW591-B-1 | 3W7-RW591-B | 1 | 202 | 10 | 11.8 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW591-B-2 | 3W7-RW591-B | 2 | 2.6 | 10 | | | | | | | 7.38 |
| 3W7 | 3W7-RW591-C-SF | 3W7-RW591-C | SF | 18 | 10 | | | | | | | |
| 3W7 | 3W7-RW591-C-1 | 3W7-RW591-C | 1 | 127 | 10 | 6.19 | 0.2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW591-C-2 | 3W7-RW591-C | 2 | 98.4 | 10 | 8.08 | 0.2 | ND | 0.2 | | | |
| 3W7 | 3W7-RW591-D-SF | 3W7-RW591-D | SF | 184 | 10 | 11.7 | 0.4 | ND | 0.2 | | | |
| 3W7 | 3W7-RW591-D-1 | 3W7-RW591-D | 1 | 95.3 | 10 | 4.8 | 0.2 | | | | | |
| 3W7 | 3W7-RW591-D-2 | 3W7-RW591-D | 2 | 32.4 | 10 | | | | | | | 7.85 |
| 3W10 | 3W10-RW595ABT-A-SF | 3W10-RW595ABT-A | SF | 90.5 | 10 | 5.47 | 0.2 | ND | 0.2 | | | |
| 3W10 | 3W10-RW595ABT-A-1 | 3W10-RW595ABT-A | 1 | 37 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-B-SF | 3W10-RW595-B | SF | 37.5 | 10 | | | | | | | 7.88 |
| 3W10 | 3W10-RW595-B-1 | 3W10-RW595-B | 1 | 46.2 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-B-2 | 3W10-RW595-B | 2 | 18.4 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-B-4 | 3W10-RW595-B | 4 | 16.8 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-C-SF | 3W10-RW595-C | SF | 37.6 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-C-1 | 3W10-RW595-C | 1 | 42.9 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-C-2 | 3W10-RW595-C | 2 | 20.2 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-C-4.5 | 3W10-RW595-C | 5 | 12.7 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-D-SF | 3W10-RW595-D | SF | 60.6 | 10 | 3.07 | 0.2 | | | | | |
| 3W10 | 3W10-RW595-D-1 | 3W10-RW595-D | 1 | 23.2 | 10 | | | | | | | |
| 3W10 | 3W10-RW595-D-2 | 3W10-RW595-D | 2 | 27.2 | 10 | | | | | | | |
| 3W11 | 3W11-RW59ABT-A-SF | 3W11-RW59ABT-A | SF | 219 | 10 | 9.7 | 2 | ND | 0.2 | | | |
| 3W11 | 3W11-RW59ABT-A-1 | 3W11-RW59ABT-A | 1 | 30.4 | 10 | | | | | | | |
| 3W11 | 3W11-RW59ABT-A-2 | 3W11-RW59ABT-A | 2 | 30.9 | 10 | | | | | | | |
| 3W11 | 3W11-RW59-B-SF | 3W11-RW59-B | SF | 614 | 20 | 35.6 | 2 | 0.28 | 0.2 | | | |
| 3W11 | 3W11-RW59-B-1 | 3W11-RW59-B | 1 | 5 | 10 | | | | | | | |
| 3W11 | 3W11-RW59-B-2 | 3W11-RW59-B | 2 | 5 | 10 | | | | | | | 8.59 |

## TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS

| Section | Sample ID | Contractor Borehole ID | Sample Depth (feet) | Total Lead (TTLC) mg/kg | TTLC (MDL) mg/kg | Soluble Lead (STLC) mg/L | STLC (MDL) mg/L | DI-WET Lead mg/L | DI-WET (MDL) mg/L | TCLP (mg/L) | TCLP (MDL) (mg/L) | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W11 | 3W11-RW59-B-5 | 3W11-RW59-B | 5 | 47.2 | 10 | | | | | | | |
| 3W11 | 3W11-RW59-C-SF | 3W11-RW59-C | SF | 814 | 20 | 41.9 | 2 | ND | 0.2 | | | |
| 3W11 | 3W11-RW59-C-1 | 3W11-RW59-C | 1 | 606 | 20 | 27.6 | 2 | ND | 0.2 | | | |
| 3W11 | 3W11-RW59-C-2 | 3W11-RW59-C | 2 | 135 | 10 | 7.1 | 2 | ND | 0.2 | | | |
| 3W11 | 3W11-RW59-D-SF | 3W11-RW59-D | SF | 449 | 10 | 21.3 | 2 | ND | 0.2 | | | |
| 3W11 | 3W11-RW59-D-1 | 3W11-RW59-D | 1 | 510 | 20 | 32.2 | 2 | ND | 0.2 | | | |
| 3W11 | 3W11-RW59-D-2 | 3W11-RW59-D | 2 | 20.3 | 10 | | | | | | | |

**Notes:**
Analytical tests were all performed on a soil matrix.
All samples tested by U.S. EPA Test Method 7420.
EPA = Environmental Protection Agency
MDL = method detection limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
DI-WET = Deionized Water Extraction Test
TCLP = Toxicity Characteristic Leaching Procedure
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
E = Eastbound
W = Westbound
RW = Retaining Wall
SW = Sound Wall
SF = Surface sample
ABT = Abutment location

# FIGURES




REFERENCE: 1996 Thomas Guide for Los Angeles and Orange Counties, Street Guide and Directory

NORTH

0 2400 4800

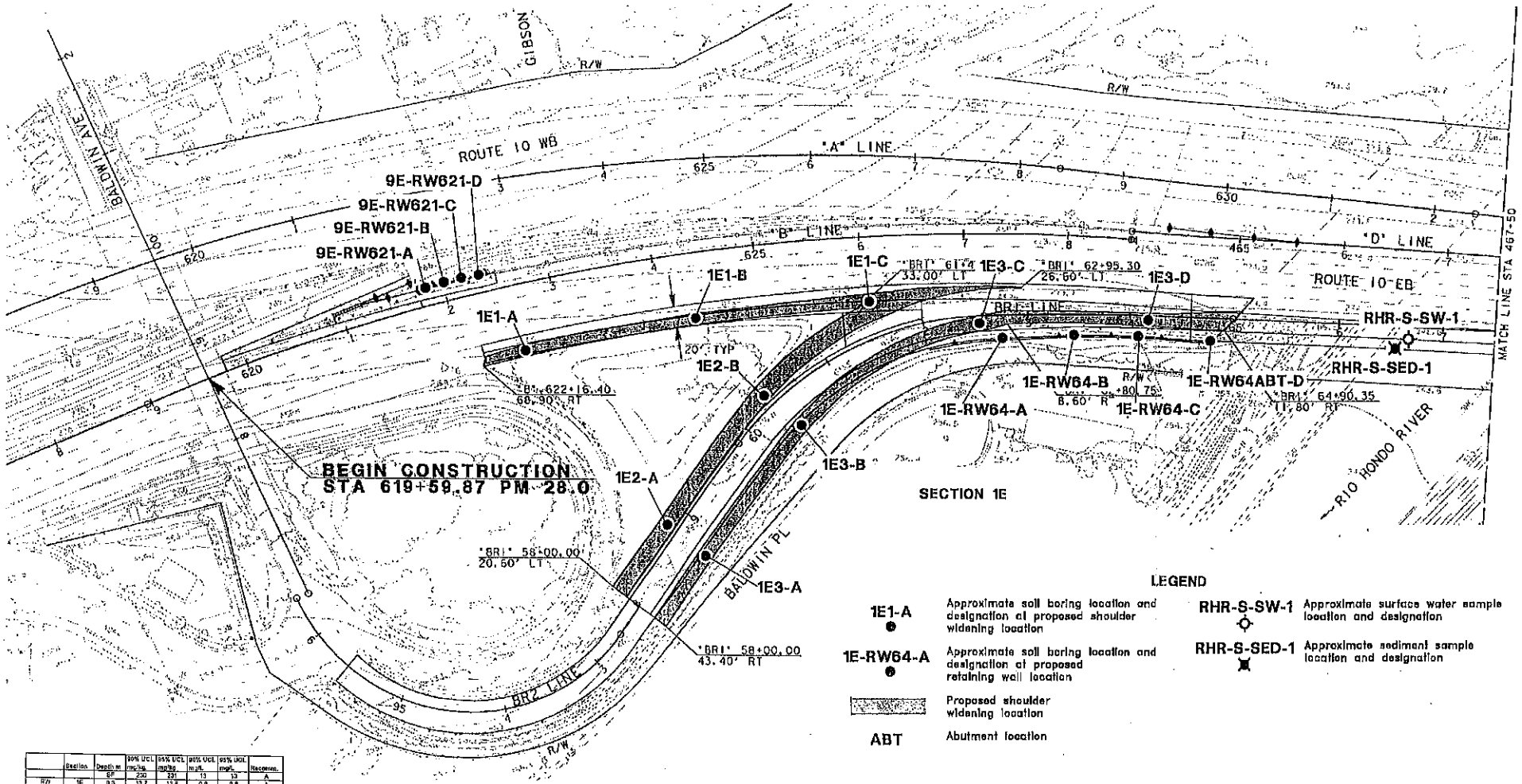
Approximate Scale in Feet

Ninyo & Moore

# SITE LOCATION MAP

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 1 |




LEGEND

| | |
|---|---|
| 1E1-A | Approximate soil boring location and designation at proposed shoulder widening location |
| 1E-RW64-A | Approximate soil boring location and designation at proposed retaining wall location |
| | Proposed shoulder widening location |
| ABT | Abutment location |
| RHR-S-SW-1 | Approximate surface water sample location and designation |
| RHR-S-SED-1 | Approximate sediment sample location and designation |

| | Section | Depth m | 95% UCL mg/kg | 95% UCL mg/kg | 95% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | SF | 230 | 231 | 13 | 13 | A |
| R/W | 1E | 0.5 | 13.7 | 13.8 | 0.9 | 0.8 | A |
| | | 0.61 | 5 | 5 | 0.27 | 0.27 | A |
| | | 1.52 | 31 | 32 | 1.7 | 1.8 | A |
| | | Combined | 116 | 130 | 8 | 7 | A |
| | | SF | 1889 | 1222 | 94 | 67 | C |
| | | 0.5 | 256 | 271 | 14 | 15 | A |
| R/W | 2E | 0.91 | 119 | 122 | 7.6 | 7 | A |
| | | 1.52 | no data | no data | no data | no data | A |
| | | Combined | 605 | 760 | 36 | 40 | C |
| | | SF | 415 | 419 | 21 | 22 | C |
| SW | 1E | 0.3 | 355 | 405 | 18 | 21 | C |
| | | 0.61 | 247 | 288 | 12 | 20 | C |
| | | Combined | 272 | 299 | 14 | 15 | A |

Figure 2
See Section 5 of text.
RW: Retaining Wall
SW: Shoulder-widening

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

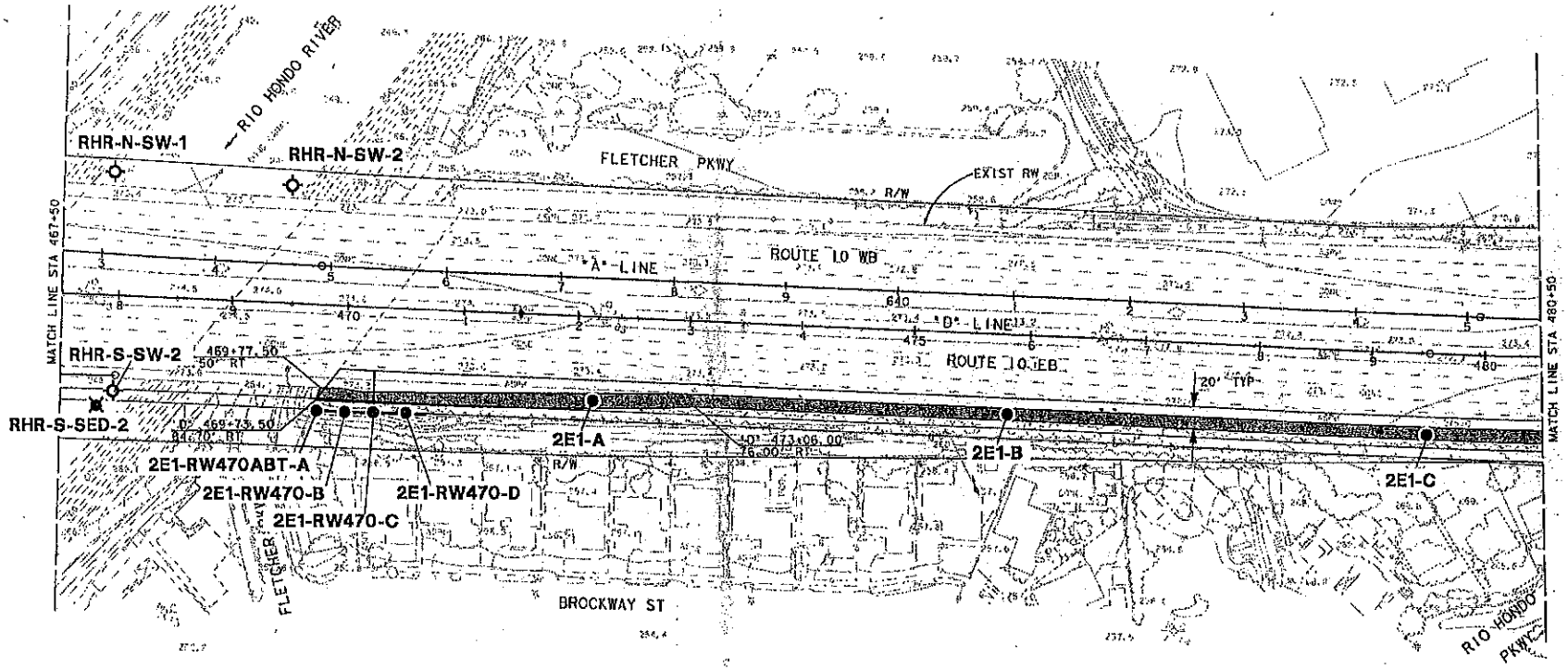
0 100 200
Approximate Scale In Feet

Ninyo & Moore

**BORING LOCATION MAP**

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 2 |




SECTION 2E1

| | Section | Depth m | 95% UCL mg/kg | 95% UCL mg/kg | 95% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| SW | 2E | SF | 1295 | 1418 | 73 | 80 | C |
| | | 0.3 | 425 | 481 | 24 | 27 | C |
| | | 0.61 | 257 | 284 | 16 | 18 | B |
| | | Combined | 371 | 411 | 21 | 23 | C |
| | | SF | 961 | 1004 | 56 | 62 | C |
| | | 0.3 | 732 | 829 | 41 | 47 | C |
| RW | 2E | 0.64 | 307 | 347 | 17 | 20 | C |
| | | 1.52 | 554 | 647 | 31 | 37 | C |
| | | Combined | 457 | 495 | 26 | 28 | C |

Figure 3

See Section 8 of text
RW: Retaining Wall
SW: Shoulder-widening

NOTE:
FOR LEGEND SEE FIGURE 2.

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

0 100 200
Approximate Scale In Feet

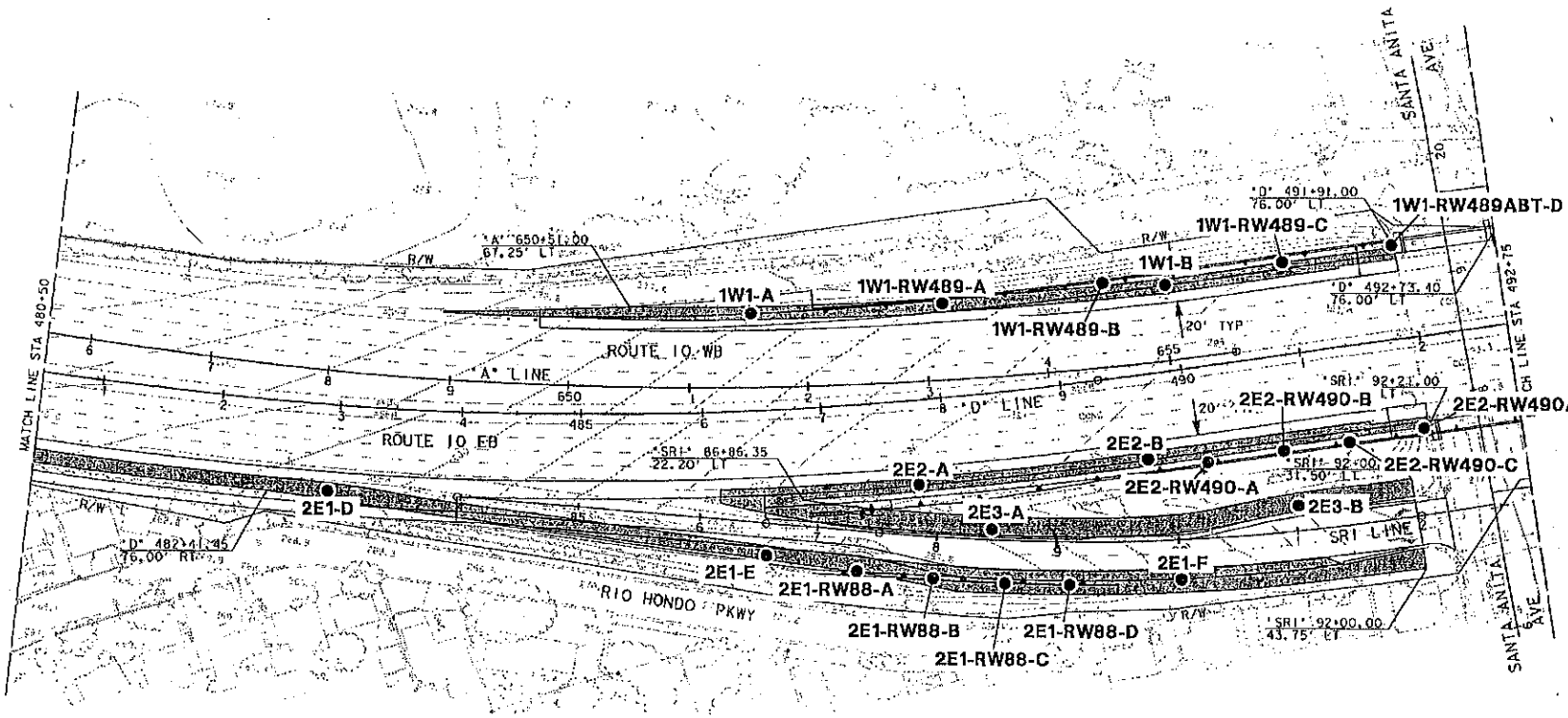
NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

**BORING LOCATION MAP**
INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 3 |

202887-01




SECTIONS 2E AND 1W1

| | Section | Depth m | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | SF | 2416 | 2617 | 129 | 140 | C |
| SW | 1W | 0.3 | 750 | 910 | 42 | 49 | C |
| | | 0.61 | 974 | 1060 | 52 | 56 | C |
| | | Combined | 1158 | 1247 | 62 | 67 | C |
| | | SF | 1295 | 1416 | 73 | 80 | C |
| SW | 2E | 0.3 | 426 | 461 | 24 | 27 | C |
| | | 0.61 | 267 | 284 | 15 | 16 | B |
| | | Combined | 371 | 411 | 21 | 23 | C |
| | | SF | 975 | 1065 | 62 | 68 | C |
| | | 0.3 | 251 | 277 | 14 | 15 | A |
| RW | 1W | 0.61 | 112 | 126 | 6 | 7 | A |
| | | 1.52 | 108 | 121 | 6 | 7 | A |
| | | Combined | 338 | 365 | | 19 | A |
| | | SF | 981 | 1094 | 56 | 62 | C |
| | | 0.3 | 732 | 829 | 41 | 47 | C |
| RW | 2E | 0.61 | 307 | 347 | 17 | 20 | C |
| | | 1.52 | 554 | 647 | 31 | 37 | C |
| | | Combined | 457 | 495 | 26 | 28 | C |

Figure 4

See Section 8 of text.
RW: Retaining Wall
SW: Shoulder-widening

**NOTE:**

FOR LEGEND SEE FIGURE 2.

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

0 100 200

Approximate Scale In Feet

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

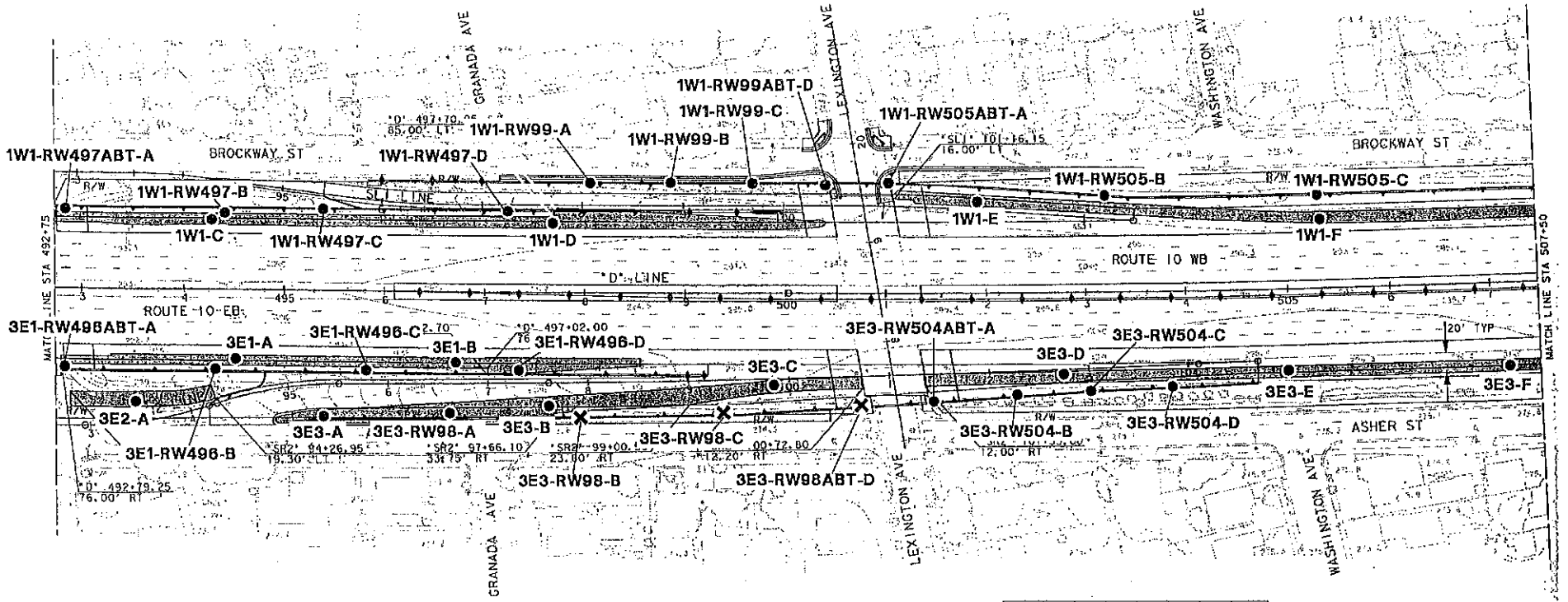
Ninyo & Moore

# BORING LOCATION MAP

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202867-01 | 7/2001 | 4 |

202867A-401




LEGEND

| | |
|---|---|
| 1E1-A ● | Approximate soil boring location and designation at proposed shoulder widening location |
| 1E-RW64-A ● | Approximate soil boring location and designation at proposed retaining wall location |
| 3E3-RW98-B × | Proposed soil boring location not attempted due to paved surface |
| | Proposed shoulder widening location |
| ABT | Abutment location |

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1998.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

SECTIONS 3E AND 1W1

| | Section | Depth m | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | BF | 556 | 630 | 28 | 31 | C |
| SW | 3E | 0.3 | 74 | 86 | 3.7 | 4 | A |
| | | 0.61 | 197 | 217 | 10 | 11 | A |
| | | Combined | 242 | 267 | 12 | 13 | A |
| | | BF | 2415 | 2617 | 120 | 148 | C |
| SW | 1W | 0.3 | 799 | 910 | 42 | 49 | C |
| | | 0.61 | 974 | 1060 | 52 | 59 | C |
| | | Combined | 1166 | 1247 | 62 | 67 | C |
| | | BF | 812 | 904 | 41 | 45 | C |
| | | 0.3 | 692 | 764 | 33 | 36 | C |
| RW | 3E | 0.61 | 284 | 341 | 15 | 17 | A |
| | | 1.52 | 73 | 82 | 4 | 4 | A |
| | | Combined | 396 | 433 | 20 | 22 | C |
| | | BF | 873 | 1065 | 52 | 66 | C |
| | | 0.3 | 254 | 277 | 14 | 16 | A |
| RW | 1W | 0.61 | 112 | 126 | 6 | 7 | A |
| | | 1.52 | 109 | 121 | 6 | 7 | A |
| | | Combined | 259 | 285 | | 16 | A |

Figure 5

See Section 8 of text.
RW: Retaining Wall
SW: Shoulder-widening

0 100 200
Approximate Scale in Feet

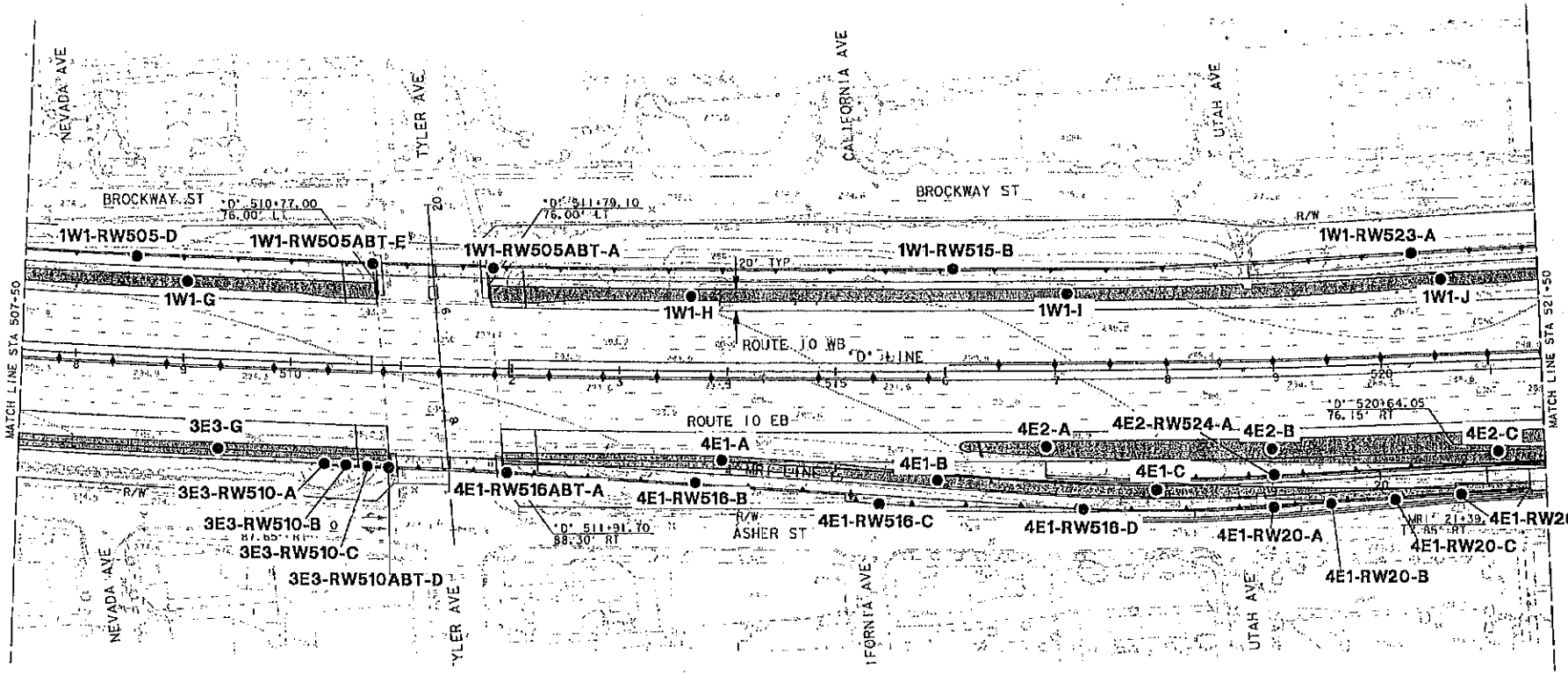
Ninyo & Moore

# BORING LOCATION MAP

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 5 |

202775-401




| | Section | Depth m | 95% UCL mg/kg | 95% UCL mg/kg | 95% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | SF | 559 | 630 | 28 | 31 | C |
| SW | 3E | 0.3 | 74 | 80 | 3.7 | 4 | A |
| | | 0.61 | 197 | 217 | 10 | 11 | A |
| | | Combined | 242 | 267 | 12 | 13 | A |
| | | SF | 743 | 835 | 37 | 42 | C |
| SW | 4E | 0.3 | 94 | 92 | 4.2 | 4.6 | A |
| | | 0.61 | 67 | 72 | 3.4 | 3.6 | A |
| | | Combined | 268 | 320 | 14 | 16 | A |
| | | SF | 3115 | 2517 | 159 | 140 | C |
| SW | 1W | 0.3 | 790 | 910 | 42 | 49 | C |
| | | 0.61 | 974 | 1090 | 52 | 58 | C |
| | | Combined | 1159 | 1347 | 62 | 67 | C |
| | | SF | 512 | 564 | 41 | 45 | C |
| | | 0.3 | 692 | 764 | 33 | 36 | C |
| RW | 3E | 0.61 | 304 | 341 | 15 | 17 | A |
| | | 1.52 | 75 | 82 | 4 | 4 | A |
| | | Combined | 390 | 432 | 20 | 22 | C |
| | | SF | 197 | 223 | 10 | 11 | A |
| | | 0.3 | 42 | 44 | 2.1 | 2.2 | A |
| RW | 4E | 0.61 | 90 | 100 | 6 | 6 | A |
| | | 1.52 | 12 | 13 | 0.6 | 0.65 | A |
| | | Combined | 65 | 72 | 3 | 4 | A |
| | | SF | 973 | 1055 | 82 | 89 | C |
| | | 0.3 | 254 | 277 | 14 | 15 | A |
| RW | 1W | 0.61 | 112 | 120 | 6 | 7 | A |
| | | 1.52 | 108 | 121 | 8 | 7 | A |
| | | Combined | 356 | 385 | | 19 | A |

Figure 6
See Section 6 of text
R/W: Retaining Wall
SW: Shoulder widening

SECTION 3E3, 4E1, 4E2 AND 1W1

**NOTE:**

FOR LEGEND SEE FIGURE 2.

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

0 100 200
Approximate Scale in Feet

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

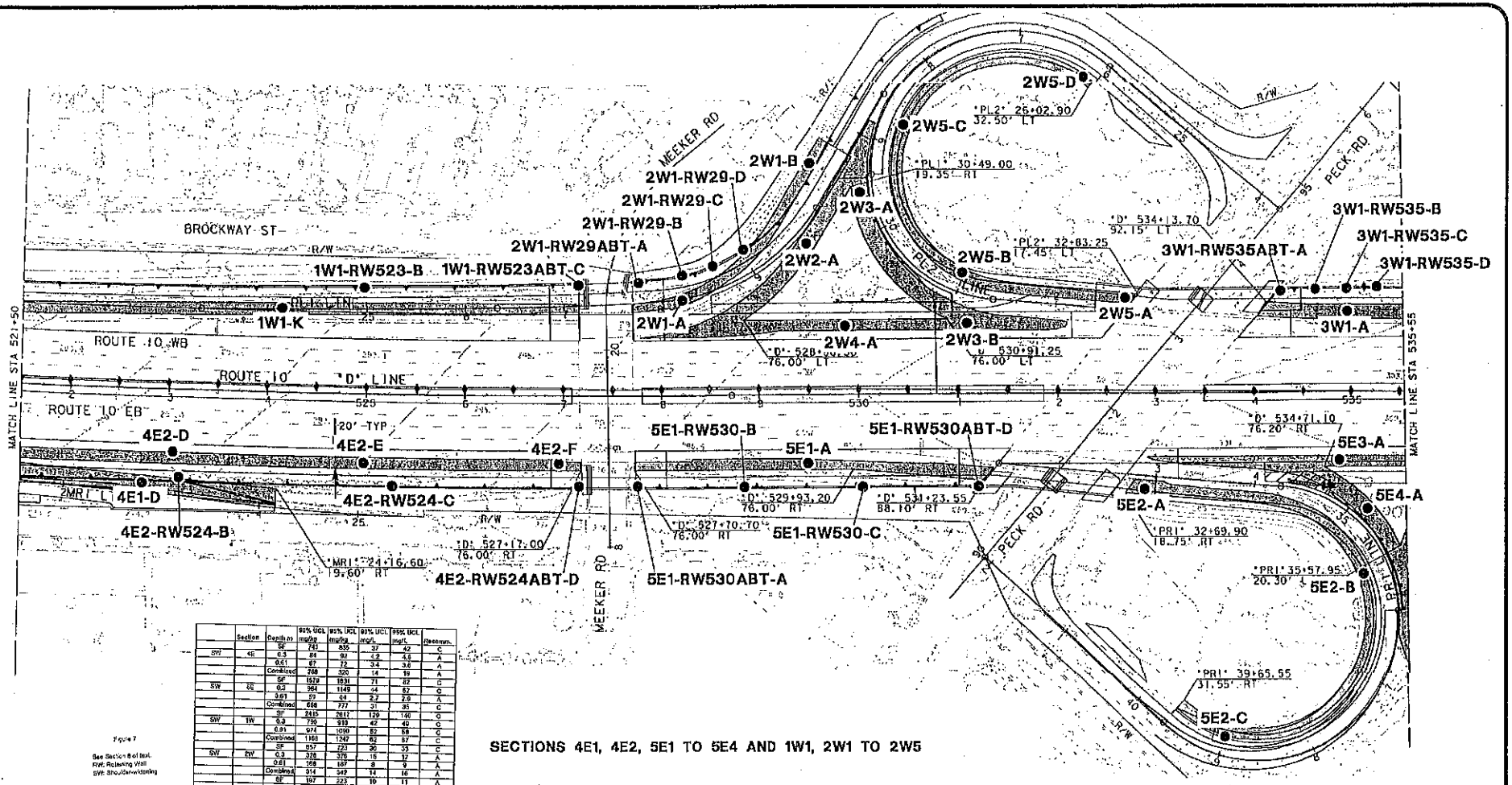
Ninyo & Moore

**BORING LOCATION MAP**

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 6 |

202887G-401




| | Section | Depth m | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| SW | 4E | SF | 743 | 835 | 37 | 42 | C |
| | | 0.3 | 84 | 92 | 4.2 | 4.6 | A |
| | | 0.61 | 67 | 72 | 3.4 | 3.6 | A |
| | | Combined | 288 | 320 | 14 | 16 | A |
| | | SF | 1579 | 1831 | 71 | 82 | C |
| SW | 5E | 0.3 | 964 | 1149 | 44 | 52 | C |
| | | 0.61 | 53 | 64 | 2.7 | 2.9 | A |
| | | Combined | 698 | 777 | 31 | 35 | C |
| | | SF | 2415 | 2617 | 129 | 140 | C |
| SW | 1W | 0.3 | 790 | 910 | 42 | 49 | C |
| | | 0.61 | 674 | 1090 | 52 | 58 | C |
| | | Combined | 1168 | 1247 | 62 | 67 | C |
| | | SF | 857 | 723 | 36 | 33 | C |
| SW | 2W | 0.3 | 328 | 376 | 15 | 17 | A |
| | | 0.61 | 168 | 187 | 8 | 9 | A |
| | | Combined | 314 | 349 | 14 | 16 | A |
| | | SF | 197 | 223 | 10 | 11 | A |
| RW | 4E | 0.3 | 42 | 44 | 2.1 | 2.2 | A |
| | | 0.61 | 96 | 100 | 5 | 5 | A |
| | | 1.52 | 15 | 13 | 0.8 | 0.65 | A |
| | | Combined | 65 | 72 | 3 | 4 | A |
| | | SF | 1077 | 1133 | 46 | 51 | C |
| RW | 5E | 0.3 | 956 | 1057 | 42 | 46 | C |
| | | 0.61 | 217 | 243 | 10 | 11 | A |
| | | 1.52 | no data | | | | A |
| | | Combined | 639 | 702 | 28 | 32 | C |
| | | SF | 973 | 1055 | 53 | 58 | C |
| RW | 1W | 0.3 | 254 | 227 | 14 | 15 | A |
| | | 0.61 | 132 | 128 | 6 | 7 | A |
| | | 1.52 | 108 | 101 | 6 | 7 | A |
| | | Combined | 350 | 365 | | 19 | A |
| | | SF | 792 | 739 | 36 | 34 | C |
| | | 0.3 | 600 | 643 | 36 | 37 | C |
| RW | 2W | 0.61 | 346 | 346 | 14+ | 14+ | C |
| | | 1.52 | no data | no data | no data | no data | C |
| | | Combined | 487 | 725 | 31 | 33 | C |

Figure 7

See Section B of text.
RW: Retaining Wall
SW: Shoulder/sidehill

SECTIONS 4E1, 4E2, 5E1 TO 5E4 AND 1W1, 2W1 TO 2W5

**NOTE:**

FOR LEGEND SEE FIGURE 2.

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

0 100 200

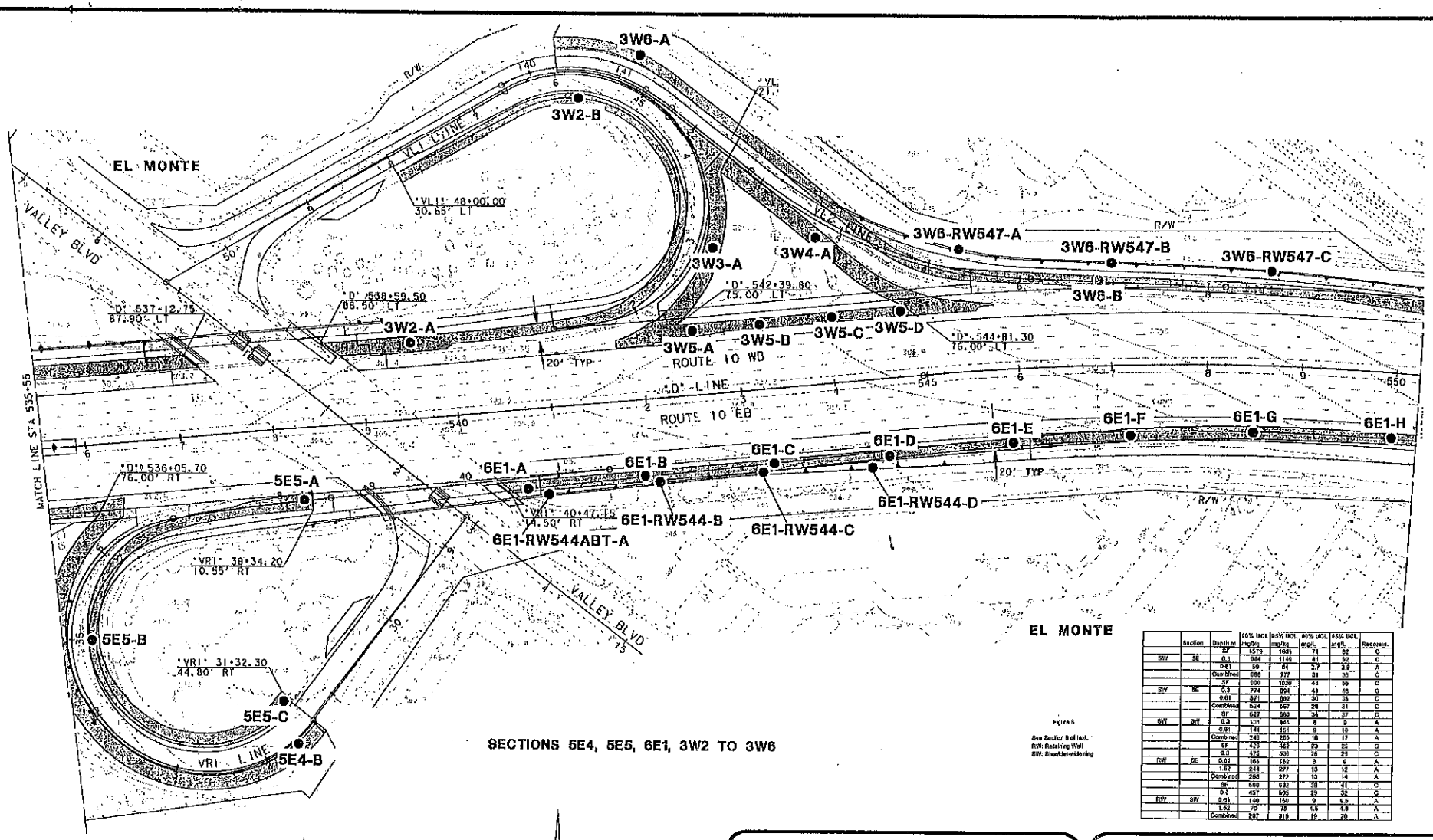
Approximate Scale In Feet

Ninyo & Moore

# BORING LOCATION MAP

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 7 |




| | Section | Depth in | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | SF | 1529 | 1635 | 71 | 82 | C |
| SW | SE | 0.3 | 994 | 1146 | 41 | 52 | C |
| | | 0-61 | 59 | 64 | 2.7 | 2.9 | A |
| | | Combined | 668 | 777 | 31 | 36 | C |
| | | SF | 990 | 1038 | 48 | 55 | C |
| SW | SE | 0.3 | 774 | 864 | 41 | 46 | C |
| | | 0-61 | 671 | 697 | 30 | 35 | C |
| | | Combined | 624 | 687 | 28 | 31 | C |
| | | SF | 627 | 680 | 34 | 37 | C |
| SW | SW | 0.3 | 121 | 144 | 8 | 9 | A |
| | | 0-61 | 144 | 151 | 9 | 10 | A |
| | | Combined | 249 | 269 | 16 | 17 | A |
| | | SF | 429 | 462 | 23 | 25 | C |
| | | 0.3 | 472 | 536 | 26 | 29 | C |
| RW | SE | 0-61 | 163 | 169 | 8 | 8 | A |
| | | 1-62 | 244 | 277 | 13 | 12 | A |
| | | Combined | 283 | 272 | 10 | 14 | A |
| | | SF | 586 | 632 | 38 | 41 | C |
| | | 0.3 | 457 | 505 | 29 | 32 | C |
| RW | SW | 0-61 | 149 | 150 | 9 | 9.5 | A |
| | | 1-62 | 70 | 75 | 4.5 | 4.8 | A |
| | | Combined | 287 | 315 | 19 | 20 | A |

Figure 5
See Section 5 of text.
RW: Retaining Wall
SW: Shoulder-widening

SECTIONS 5E4, 5E5, 6E1, 3W2 TO 3W6

NOTE:

FOR LEGEND SEE FIGURE 2.

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

0 100 200
Approximate Scale in Feet

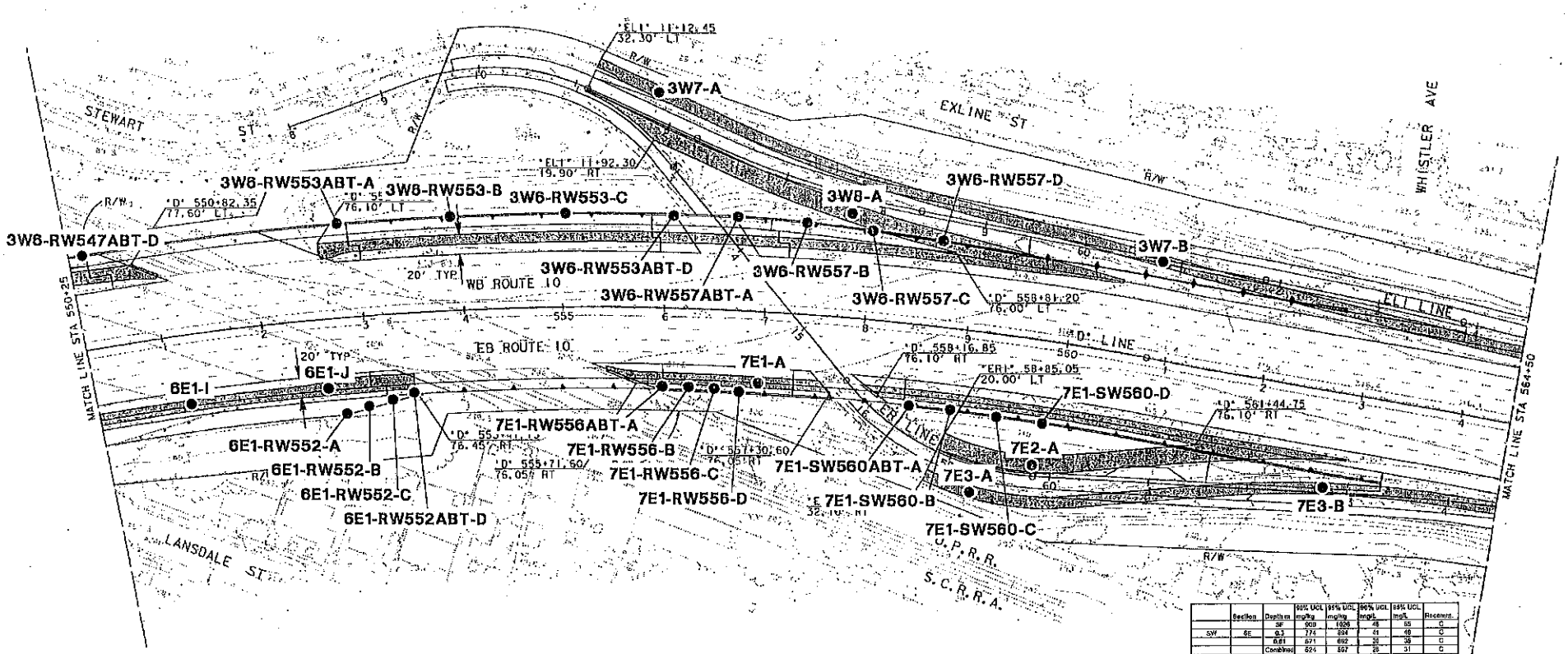
Ninyo & Moore

# BORING LOCATION MAP

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 8 |

202887G-405




| | Section | Depth m | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | SF | 909 | 1026 | 46 | 55 | C |
| SW | 6E | 0.3 | 774 | 894 | 41 | 48 | C |
| | | 0.61 | 571 | 692 | 30 | 35 | C |
| | | Combined | 524 | 567 | 28 | 31 | C |
| | | SF | 216 | 240 | 10 | 11 | A |
| SW | 7E | 0.3 | 277 | 301 | 13 | 14 | A |
| | | 0.61 | 85 | 93 | 5 | 4 | A |
| | | Combined | 165 | 179 | 7.7 | 8.4 | A |
| | | SF | 627 | 680 | 34 | 37 | C |
| SW | 3W | 0.3 | 131 | 144 | 6 | 9 | A |
| | | 0.61 | 141 | 154 | 9 | 10 | A |
| | | Combined | 246 | 286 | 16 | 17 | A |
| | | SF | 429 | 492 | 23 | 25 | C |
| | | 0.3 | 475 | 536 | 25 | 29 | C |
| RW | 6E | 0.61 | 151 | 169 | 8 | 9 | A |
| | | 1.52 | 244 | 277 | 13 | 12 | A |
| | | Combined | 263 | 272 | 13 | 14 | A |
| | | SF | 369 | 356 | 17 | 18 | C |
| | | 0.3 | 177 | 193 | 8 | 9 | A |
| RW | 7E | 0.61 | 40 | 52 | 2.3 | 2.4 | A |
| | | 1.52 | 34 | 37 | 1.6 | 1.7 | A |
| | | Combined | 169 | 180 | 7.9 | 8.4 | A |
| | | SF | 568 | 632 | 36 | 41 | C |
| | | 0.3 | 467 | 606 | 29 | 32 | C |
| RW | 3W | 0.61 | 140 | 150 | 9 | 9.8 | A |
| | | 1.52 | 70 | 75 | 4.5 | 4.8 | A |
| | | Combined | 207 | 316 | 19 | 20 | A |

Figure 9

See Section 6 of text.
RW: Retaining Wall
SW: Shoulder-widening

SECTIONS 6E1, 7E1, 7E2, 7E3, 3W6, 3W7 AND 3W8

## LEGEND

| | |
|---|---|
| 1E1-A | Approximate soil boring location and designation at proposed shoulder widening location |
| 1E-RW64-A | Approximate soil boring location and designation at proposed retaining wall location |
| 7E1-SW560-B | Proposed soil boring location and designation at proposed sound wall location |
| | Proposed shoulder widening location |
| ABT | Abutment location |

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

0 100 200
Approximate Scale in Feet

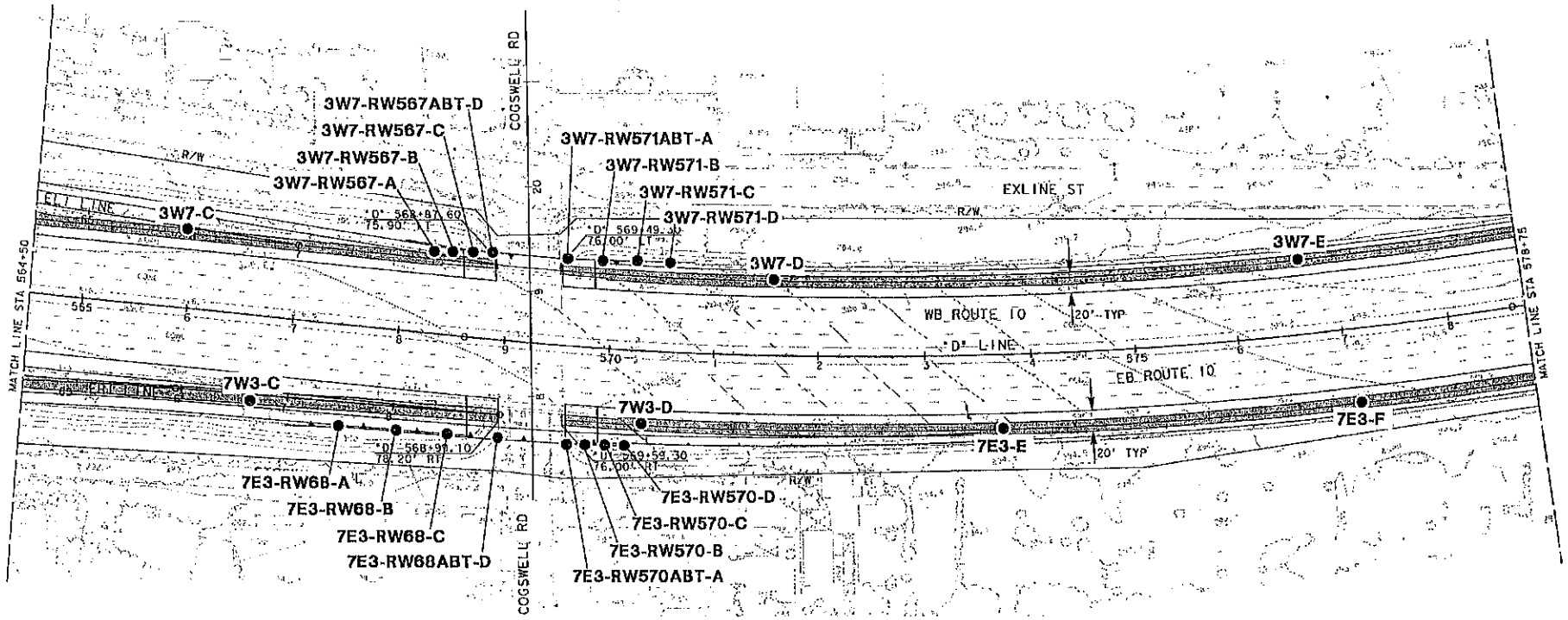
Ninyo & Moore

# BORING LOCATION MAP

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 9 |

2887F9-401




SECTIONS 7E3 AND 3W7

Figure 10

See Section 8 of text
RW: Retaining Wall
SW: Shoulder widening

| | Section | Depth m | 90% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | SF | 216 | 240 | 10 | 11 | A |
| SW | 7E | 0.3 | 277 | 301 | 13 | 14 | A |
| | | 0.61 | 85 | 93 | 5 | 4 | A |
| | | Combined | 165 | 179 | 7.7 | 8.4 | A |
| | | SF | 527 | 580 | 34 | 37 | D |
| SW | 3W | 0.3 | 131 | 144 | 8 | 9 | A |
| | | 0.61 | 141 | 154 | 9 | 10 | A |
| | | Combined | 246 | 265 | 16 | 17 | A |
| | | SF | 366 | 396 | 17 | 18 | C |
| | | 0.3 | 177 | 193 | 8 | 9 | A |
| RW | 7E | 0.61 | 49 | 52 | 2.3 | 2.4 | A |
| | | 1.62 | 34 | 37 | 1.6 | 1.7 | A |
| | | Combined | 169 | 180 | 7.9 | 8.4 | A |
| | | SF | 588 | 632 | 38 | 41 | C |
| | | 0.3 | 457 | 505 | 20 | 32 | C |
| RW | 3W | 0.61 | 140 | 150 | 8 | 9.8 | A |
| | | 1.62 | 70 | 75 | 4.8 | 4.8 | A |
| | | Combined | 297 | 316 | 19 | 20 | A |

**NOTE:**

FOR LEGEND SEE FIGURE 2.

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

0 100 200
Approximate Scale in Feet

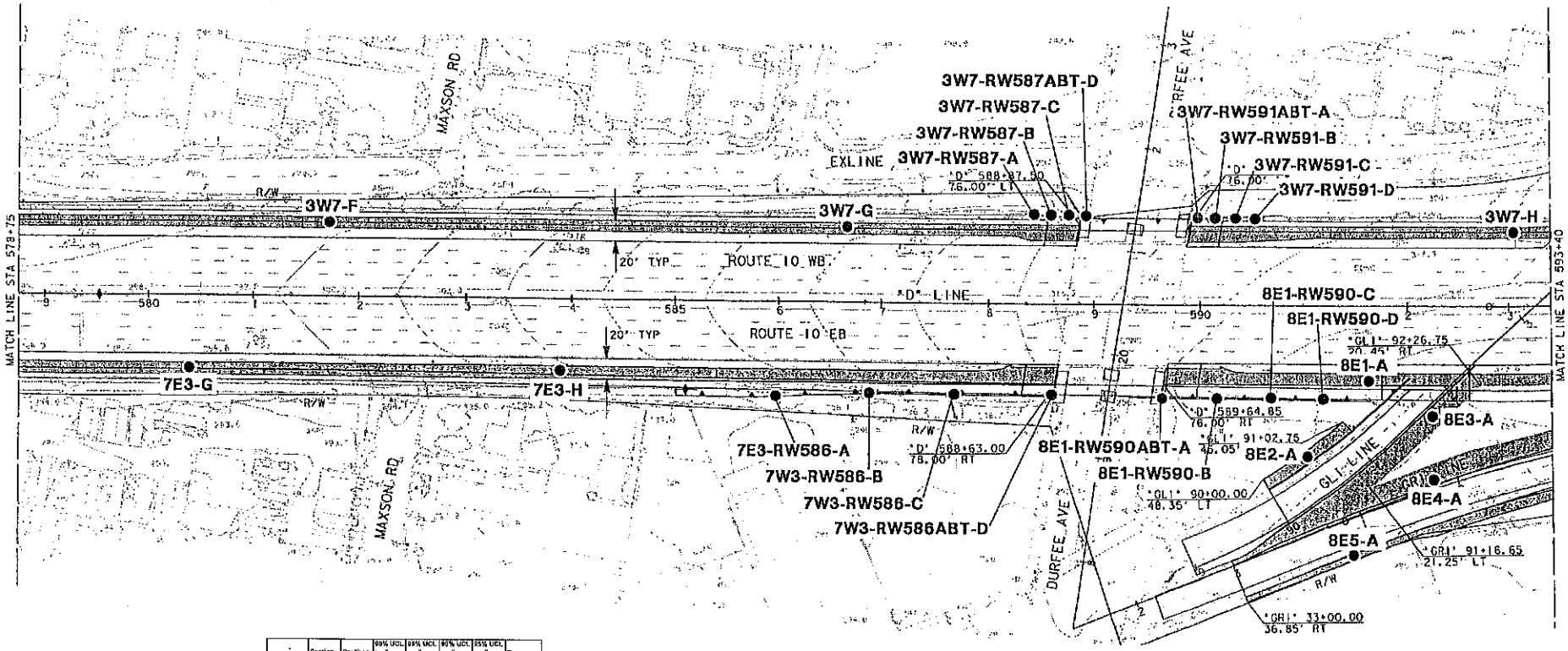
Ninyo & Moore

**BORING LOCATION MAP**

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 10 |

2887FIG-401




SECTIONS 7E3, 8E1 TO 8E5 AND 3W7

| | Section | Depth m | 99% UCL mg/kg | 95% UCL mg/kg | 90% UCL mg/L | 85% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| SW | 7E | SF | 215 | 240 | 10 | 11 | A |
| | | 0.3 | 277 | 301 | 13 | 14 | A |
| | | 0.61 | 85 | 93 | 5 | 4 | A |
| | | Combined | 165 | 170 | 7.7 | 6.4 | A |
| RW | 8E | SF | 1555 | 1769 | 57 | 68 | C |
| | | 0.3 | 852 | 818 | 25 | 34 | C |
| | | 0.61 | 976 | 1137 | 53 | 62 | C |
| | | Combined | 803 | 879 | 44 | 48 | C |
| SW | 3W7 | SF | 527 | 590 | 34 | 37 | C |
| | | 0.3 | 134 | 144 | 8 | 9 | A |
| | | 0.61 | 141 | 181 | 9 | 10 | A |
| | | Combined | 246 | 266 | 16 | 17 | A |
| RW | 7E | SF | 309 | 396 | 17 | 18 | C |
| | | 0.3 | 177 | 193 | 6 | 9 | A |
| | | 0.61 | 49 | 52 | 2.3 | 2.4 | A |
| | | 1.62 | 31 | 37 | 1.6 | 1.7 | A |
| | | Combined | 169 | 180 | 7.8 | 8.4 | A |
| RW | 8E | SF | 600 | 650 | 33 | 35 | C |
| | | 0.3 | 199 | 212 | 11 | 12 | A |
| | | 0.61 | 305 | 345 | 17 | 19 | A |
| | | 1.62 | 13 | 11 | 0.7 | 0.6 | A |
| | | Combined | 290 | 309 | 16 | 17 | A |
| RW | 3W7 | SF | 588 | 632 | 38 | 41 | C |
| | | 0.3 | 457 | 505 | 29 | 32 | C |
| | | 0.61 | 140 | 160 | 9 | 9.8 | A |
| | | 1.62 | 76 | 76 | 4.5 | 4.8 | A |
| | | Combined | 297 | 315 | 19 | 20 | A |

Figure 11

See Section 6 of text.
RW: Retaining Wall
SW: Shoulder-widening

**NOTE:**

FOR LEGEND SEE FIGURE 2.

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

0 100 200
Approximate Scale in Feet

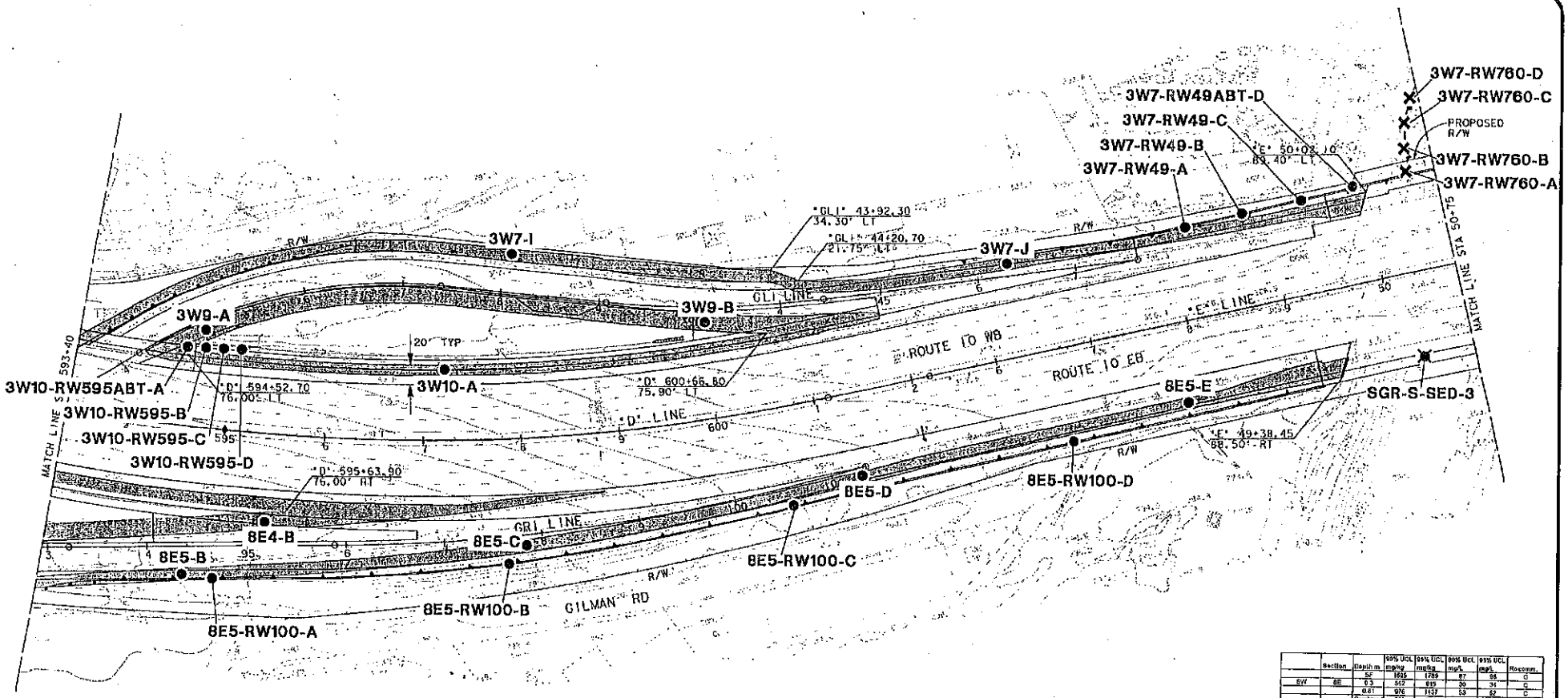
Ninyo & Moore

# BORING LOCATION MAP

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 11 |

202887-01-401




**LEGEND**

| | |
|---|---|
| 1E1-A ● | Approximate soil boring location and designation at proposed shoulder widening location |
| 1E-RW64-A ● | Approximate soil boring location and designation at proposed retaining wall location |
| 3W7-RW760-A × | Proposed soil boring location not not attempted due to concrete rubble |
| SGR-S-SED-3 ⊠ | Approximate sediment sample location and designation |
| | Proposed shoulder widening location |
| ABT | Abutment location |

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1999.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

0 100 200
Approximate Scale in Feet

**SECTIONS 8E4, 8E5, 3W7, 3W9 AND 3W10**

Figure 12
See Section 8 of text.
RW: Retaining Wall
SW: Shoulder widening

| | Section | Depth m | 95% UCL mg/kg | 95% UCL mg/kg | 95% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | SF | 1605 | 1789 | 87 | 96 | C |
| SW | 8E | 0.3 | 562 | 815 | 30 | 34 | C |
| | | 0.61 | 976 | 1537 | 58 | 62 | C |
| | | Combined | 893 | 879 | 41 | 48 | C |
| | | SF | 527 | 680 | 31 | 37 | C |
| SW | 3W | 0.3 | 131 | 144 | 6 | 9 | A |
| | | 0.61 | 141 | 154 | 9 | 10 | A |
| | | Combined | 240 | 268 | 16 | 17 | A |
| | | SF | 603 | 659 | 33 | 35 | C |
| | | 0.3 | 199 | 212 | 11 | 12 | A |
| RW | 8E | 0.61 | 303 | 318 | 17 | 19 | A |
| | | 1.52 | 13 | 11 | 0.7 | 0.6 | A |
| | | Combined | 290 | 309 | 16 | 17 | A |
| | | SF | 588 | 632 | 38 | 41 | D |
| | | 0.3 | 257 | 505 | 29 | 32 | C |
| RW | 3W | 0.61 | 140 | 156 | 6 | 8.6 | A |
| | | 1.52 | 70 | 75 | 4.5 | 4.8 | A |
| | | Combined | 287 | 315 | 19 | 20 | A |

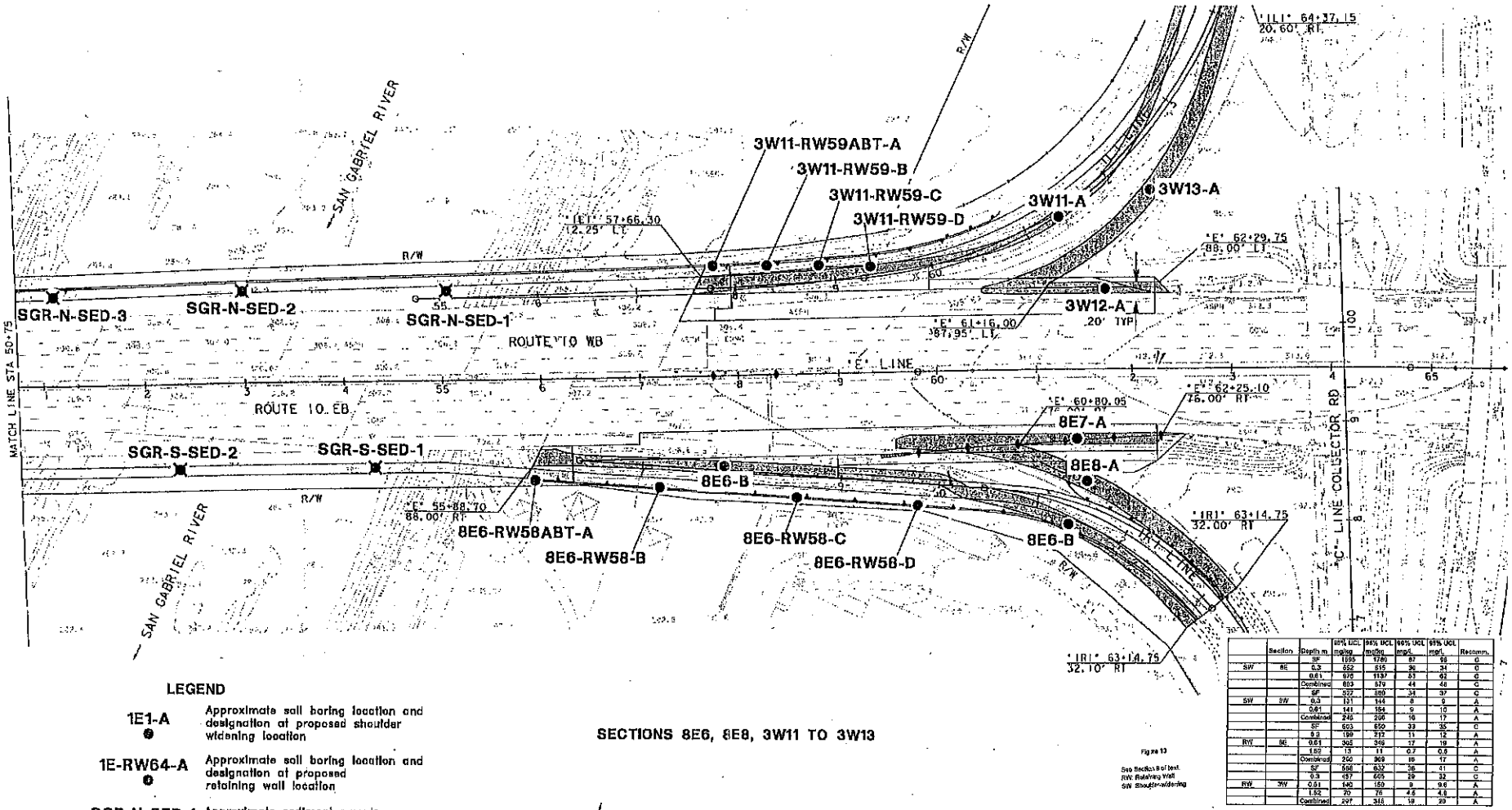
Ninyo & Moore

**BORING LOCATION MAP**

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 12 |

202887-12-101




| | Section | Depth m | 95% UCL mg/kg | 95% UCL mg/kg | 95% UCL mg/L | 95% UCL mg/L | Recomm. |
|---|---|---|---|---|---|---|---|
| | | SP | 1995 | 1780 | 87 | 98 | C |
| SW | SE | 0.3 | 652 | 615 | 36 | 31 | C |
| | | 0.61 | 970 | 1137 | 53 | 62 | C |
| | | Combined | 803 | 879 | 44 | 48 | C |
| | | SP | 922 | 880 | 34 | 37 | C |
| SW | SW | 0.3 | 137 | 144 | 8 | 9 | A |
| | | 0.61 | 141 | 164 | 9 | 10 | A |
| | | Combined | 246 | 296 | 16 | 17 | A |
| | | SP | 603 | 650 | 33 | 35 | C |
| | | 0.3 | 199 | 212 | 11 | 12 | A |
| RW | SE | 0.61 | 302 | 346 | 17 | 19 | A |
| | | 1.52 | 13 | 11 | 0.7 | 0.6 | A |
| | | Combined | 200 | 209 | 10 | 17 | A |
| | | SP | 596 | 632 | 36 | 41 | C |
| | | 0.3 | 457 | 605 | 29 | 32 | C |
| RW | SW | 0.61 | 140 | 150 | 9 | 9.6 | A |
| | | 1.52 | 70 | 78 | 4.6 | 4.8 | A |
| | | Combined | 207 | 246 | 10 | 20 | A |

Figure 13
See Section 8 of text.
RW: Retaining Wall
SW: Shoulder widening

**LEGEND**

| | |
|---|---|
| 1E1-A | Approximate soil boring location and designation at proposed shoulder widening location |
| 1E-RW64-A | Approximate soil boring location and designation at proposed retaining wall location |
| SGR-N-SED-1 | Approximate sediment sample location and designation |
| | Proposed shoulder widening location |
| ABT | Abutment location |

**SECTIONS 8E6, 8E8, 3W11 TO 3W13**

0 100 200
Approximate Scale in Feet

SOURCE: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, 12/1998.

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

# BORING LOCATION MAP

INTERSTATE 10 FREEWAY
EL MONTE & BALDWIN PARK
LOS ANGELES COUNTY, CALIFORNIA

| PROJECT NO. | DATE | FIGURE |
|---|---|---|
| 202887-01 | 7/2001 | 13 |

202887/13-401

# APPENDIX A

# CALTRANS TABLES

## Table 1
## Shoulder Widening Sampling Requirements

| Location | Shoulder Widening Locations | Length (ft) | Interval (ft) | Number of Boreholes | Total no. of samples per Location |
|---|---|---|---|---|---|
| *1E* | *622+16.40 - 64+90.35* | | | | |
| 1E1 | 622+16.4 –62+95.30 | 534 | 175 | 3 | 9 |
| 1E2 | 58+00 – 62+95.30 | 495 | 175 | 2 | 6 |
| 1E3 | 58+00 – 64+90.35 | 690 | 175 | 4 | 12 |
| | | | Total | 9 | 27 |
| *2E* | *469+77.50 - SR 92+21.00* | | | | |
| 2E1 | 469+77.5 – SR1 92+0.0 | 2223 | 350 | 6 | 18 |
| 2E2 | SR1 86+86.35 – SR1 92+21.0 | 535 | 250 | 2 | 6 |
| 2E3 | SR1 86+86.35 – SR1 92+0.00 | 514 | 250 | 2 | 6 |
| | | | Total | 10 | 30 |
| *3E* | *492+79.25 - 510+90.80* | | | | |
| 3E1 | 492+79.25 – 499 | 621 | 225 | 2 | 6 |
| 3E2 | SR2 92+81.2 – SR294+26.95 | 145 | 145 | 1 | 3 |
| 3E3 | SR2 95 – 510+90.8 | 1562 | 225 | 7 | 21 |
| | | | Total | 10 | 30 |
| *4E* | *511+91.7 -527+17.00* | | | | |
| 4E1 | 511+91.7 - MR1 24+16.6 | 909 | 200 | 4 | 12 |
| 4E2 | 516 – 527+17.00 | 1177 | 200 | 6 | 18 |
| | | | Total | 10 | 30 |
| *5E* | *527+70.70 - VR138+34.20* | | | | |
| 5E1 | 527+70.7 – 531+23.55 | 353 | 250 | 1 | 3 |
| 5E2 | PR1 32+69.9 – 39+65.55 | 695 | 250 | 3 | 9 |
| 5E3 | 533 – 536 | 305 | 250 | 1 | 3 |
| 5E4 | 534+71.10, 536+05.70 – VR1 31+32.3 | 468 | 250 | 2 | 6 |
| 5E5 | VR1 38+34.2 – VR1 31+32.3 | 701 | 250 | 3 | 9 |
| | | | Total | 10 | 30 |
| *6E* | *540 -553+47.15* | | | | |
| 6E1 | 540 –553+47.15 | 1347 | 130 | 10 | 30 |
| | | | Total | 10 | 30 |
| *7E* | *555+71.6 - 588+63.00* | | | | |
| 7E1 | 555+71.6 – 563 | 643 | 350 | 1 | 3 |
| 7E2 | ER1 58+85.05 – D 561+44 | 415 | 350 | 1 | 3 |
| 7E3 | ER1 58+85.05 – 588+63.0 75 | 2919 | 350 | 8 | 24 |
| | | | Total | 10 | 30 |
| *8E* | *589+64.85 -1R1 63+14.75* | | | | |
| 8E1 | 589+64.85 – 599 | 590 | 350 | 1 | 3 |
| 8E2 | GL1 90+00.00 - GL1 91+02.75 | 103 | 350 | 1 | 3 |
| 8E3 | GL1 90+00.00 – GL 92+26.75 | 227 | 350 | 1 | 3 |
| 8E4 | GR1 33+00.00 – 599 | 921 | 350 | 2 | 6 |
| 8E5 | GR1 33+00.00 – E 49+38.45 | 1900 | 350 | 5 | 15 |
| 8E6 | 55+88.7 – IRI 63+14.75 | 726 | 350 | 2 | 6 |
| 8E7 | 59 – 62+25.10 | 325 | 350 | 1 | 3 |
| 8E8 | 59 – IRI 63+14.75 | 414 | 350 | 1 | 3 |
| | | | Total | 14 | 42 |

| | WESTBOUND LOCATIONS | | | | |
|---|---|---|---|---|---|
| *1W* | *649 - PL1 27+15.00* | | | | |
| 1W1 | 649 – PL1 27+15.00 | 4022 | 350 | 11 | 33 |
| | | | Total | 11 | 33 |

| | | | | | |
|---|---|---|---|---|---|
| *2W* | *528+86.50 - 530+91.25* | | | | |
| 2W1 | PL1 27+69.65 – PL1 30+75.45 | 306 | 175 | 2 | 6 |
| 2W2 | PL27+69.65 - 29 | 250 | 175 | 1 | 3 |
| 2W3 | 29 - 32 | 300 | 175 | 2 | 6 |
| 2W4 | D528+86.5 – D 530+91.25 | 205 | 175 | 1 | 3 |
| 2W5 | PL2 26+02.9 – PL2 32+83.25 | 681 | 175 | 4 | 12 |
| | | | Total | 10 | 30 |
| *3W* | *534+13.7 - E 50+02.10* | | | | |
| 3W1 | 534+13.7 – 537+12.75 | 229 | 500 | 1 | 3 |
| 3W2 | 538+59.5 – VL1 48+00.00 | 941 | 500 | 2 | 6 |
| 3W3 | 45 - 542+39.8 | 300 | 500 | 1 | 3 |
| 3W4 | VL2 142+45.95 – 544+81.3 | 200 | 500 | 1 | 3 |
| 3W5 | 542+39.8 – 544+81.30 | 200 | 500 | 4 | 12 |
| 3W6 | VL2 140+30.10 – 561 | 1790 | 500 | 1 | 3 |
| 3W7 | EL1 11+12.45 – E50+.02.10 | 10328 | 500 | 20 | 60 |
| 3W8 | EL11+92.3 - 561 | 400 | 500 | 1 | 3 |
| 3W9 | 594 – 602 | 800 | 500 | 2 | 6 |
| 3W10 | 594+52.70 - 600+66.80 | 595 | 500 | 1 | 3 |
| 3W11 | 1L1 57+66.3 – 1L1 64+37.15 | 671 | 500 | 1 | 3 |
| 3W12 | E 61+16.00 – E 62+29.75 | 113 | 500 | 1 | 3 |
| 3W13 | 60 - 1L1 64+37.15 | 437 | 500 | 1 | 3 |
| | | | Total | 37 | 111 |

Total vertical length = (total no. of holes)(depth of excavation)
(footage) = (141)(2)
= 282 ft.

Total Number of Samples = 423 samples
Total Number of Boreholes = 141 boreholes

## Table 2
## Retaining Wall and Abutment Sampling Requirements

| Location | Retaining Wall Soundwall | Length (ft) | Interval | No. of Boreholes | Total No. of Samples |
|---|---|---|---|---|---|
| *1E* | *622+16.40 - 64+90.35* | | | | |
| | • RW64 | 269 | 65 | 4 | 16 |
| | | | | 4 | 16 |
| *2E* | *469+77.50 - SR 92+21.00* | | | | |
| 2E1 | • RW470 | 97 | 25 | 4 | 16 |
| | • RW88 | 50 | 12 | 4 | 16 |
| 2E2 | • RW490 | 254 | 60 | 4 | 16 |
| | | | | 12 | 48 |
| *3E* | *492+79.25 - 510+90.80* | | | | |
| 3E1 | • RW496 | 610 | 150 | 4 | 16 |
| 3E3 | • RW98 | 570 | 140 | 4 | 16 |
| | • RW504 | 327 | 80 | 4 | 16 |
| | • RW510 | 63 | 15 | 4 | 16 |
| | | | | 16 | 64 |
| *4E* | *511+91.7 -527+17.00* | | | | |
| 4E1 | • RW516 | 696 | 175 | 4 | 16 |
| | • RW20 | 246 | 60 | 4 | 16 |
| 4E2 | • RW524 | 821 | 200 | 4 | 16 |
| | | | | 12 | 48 |
| *5E* | *527+70.70 - VR138+34.20* | | | | |
| 5E1 | • RW530 | 335 | 80 | 4 | 16 |
| | | | | 4 | 16 |
| *6E* | *540 -553+47.15* | | | | |
| 6E1 | • RW544 | 464 | 115 | 4 | 16 |
| | • RW552 | 81 | 20 | 4 | 16 |
| | | | | 8 | 32 |
| *7E* | *555+71.6 - 588+63.00* | | | | |
| 7E1 | • RW556 | 81 | 20 | 4 | 16 |
| | • SW560 | 159 | 40 | 4 | 16 |
| 7E3 | • RW68 | 200 | 50 | 4 | 16 |
| | • RW570 | 59 | 15 | 4 | 16 |
| | • RW586 | 364 | 90 | 4 | 16 |
| | | | | 20 | 80 |
| *8E* | *589+64.85 -1R1 63+14.75* | | | | |
| 8E1 | • RW590 | 196 | 50 | 4 | 16 |
| 8E5 | • RW100 | 1268 | 300 | 4 | 16 |
| 8E6 | • RW58 | 561 | 130 | 4 | 16 |
| *9E* | • *RW621* | *71* | 15 | 4 | 16 |
| | | | | 16 | 64 |
| | WESTBOUND LOCATIONS | | | | |
| *1W* | *649 - PL1 27+15.00* | | | | |
| 1W1 | • RW489 | 478 | 120 | 4 | 16 |
| | • RW497 | 618 | 150 | 4 | 16 |
| | • RW99 | 316 | 80 | 4 | 16 |
| | • RW505/RW515/RW523 | 2107 | 210 | 10 | 40 |
| | | | | 22 | 88 |
| *2W* | *528+86.50 - 530+91.25* | | | | |
| 2W1 | • RW29 | 155 | 40 | 4 | 16 |
| | | | | 4 | 16 |
| *3W* | *534+13.7 - E 50+02.10* | | | | |
| 3W1 | • RW535 | 120 | 30 | 4 | 16 |

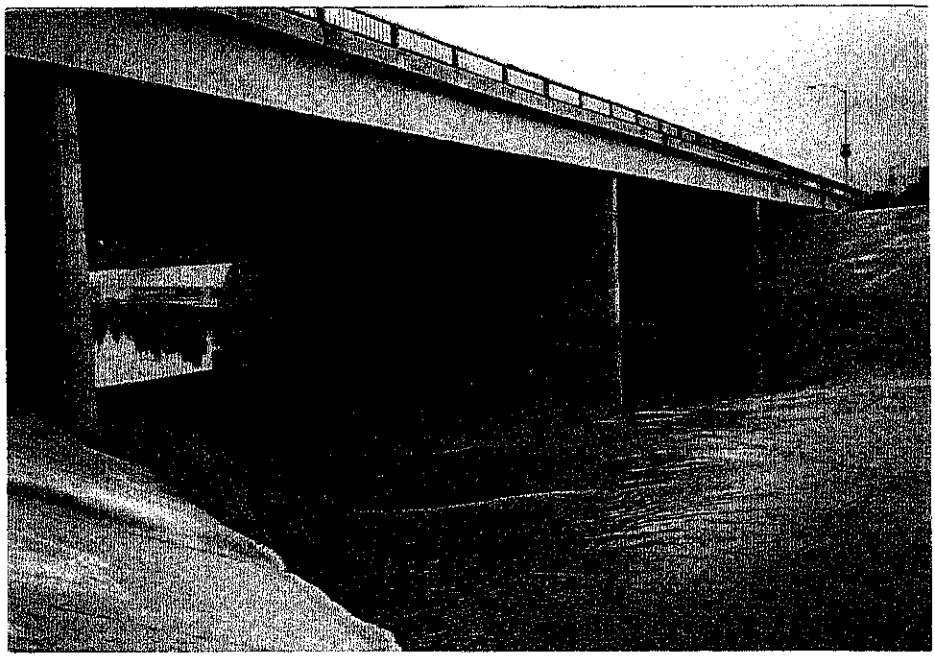
| | | | | | |
|---|---|---|---|---|---|
| 3W6 | • RW547 | 681 | 170 | 4 | 16 |
| | • RW553 | 359 | 90 | 4 | 16 |
| | • RW557 | 285 | 70 | 4 | 16 |
| 3W7 | • RW567 | 83 | 20 | 4 | 16 |
| | • RW571 | 123 | 30 | 4 | 16 |
| | • RW587 | 50 | 12 | 4 | 16 |
| | • RW591 | 85 | 20 | 4 | 16 |
| | • RW49/SW49 | 231 | 55 | 4 | 16 |
| | • RW760 | 100 | 25 | 4 | 16 |
| | • RW59 | 237 | 60 | 4 | 16 |
| 3W10 | • RW595 | 71 | 15 | 4 | 16 |
| | | | | 48 | 192 |

Total vertical length = (total no. of holes)(depth of excavation)
(footage) = (166)(5)
= 830 ft.

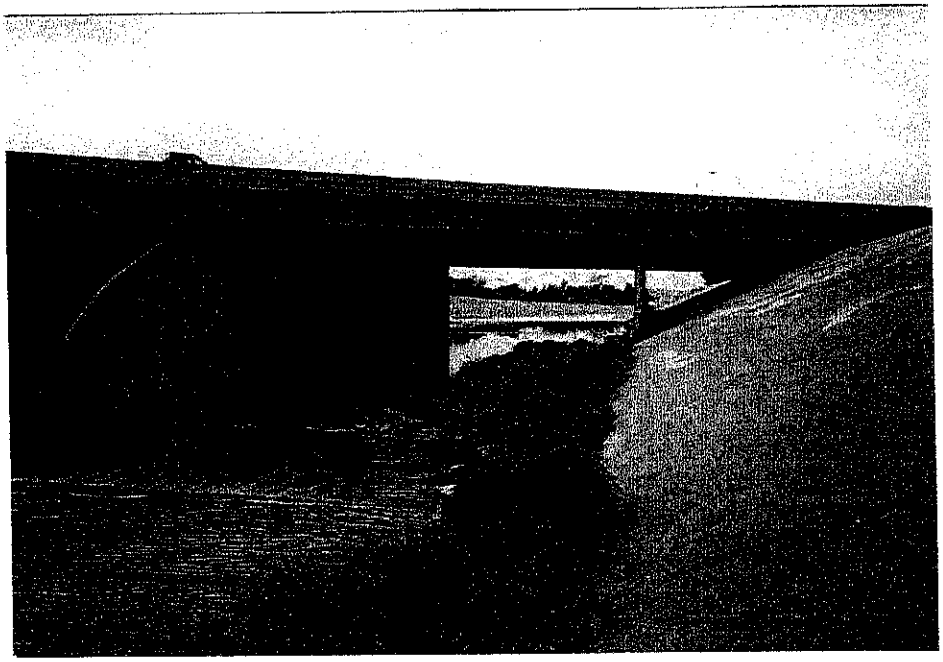
Total Number of samples = 664 samples
Total Number of Boreholes = 166 boreholes

# APPENDIX B

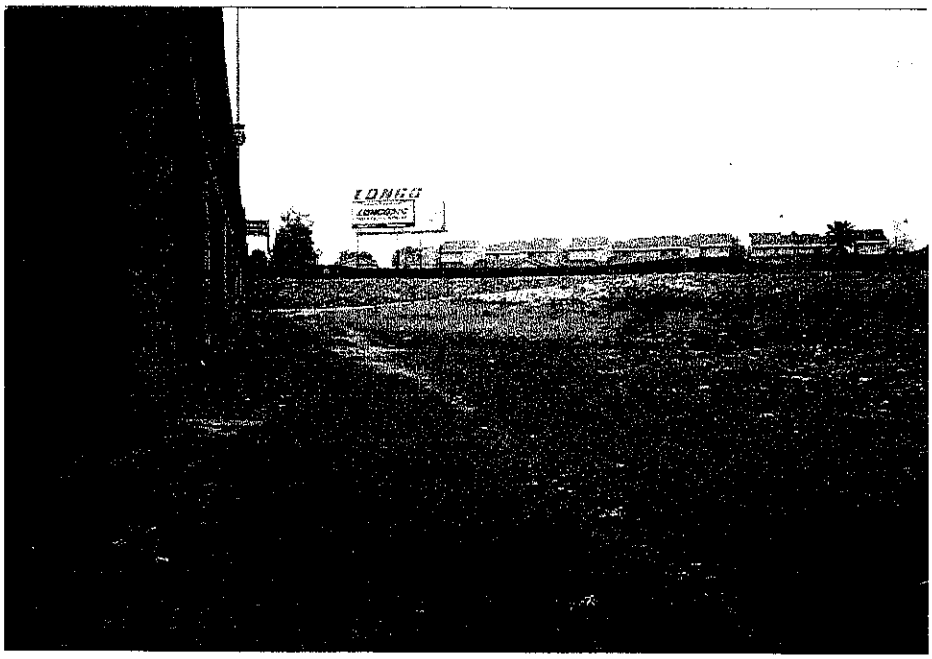
# PHOTOGRAPHIC DOCUMENTATION



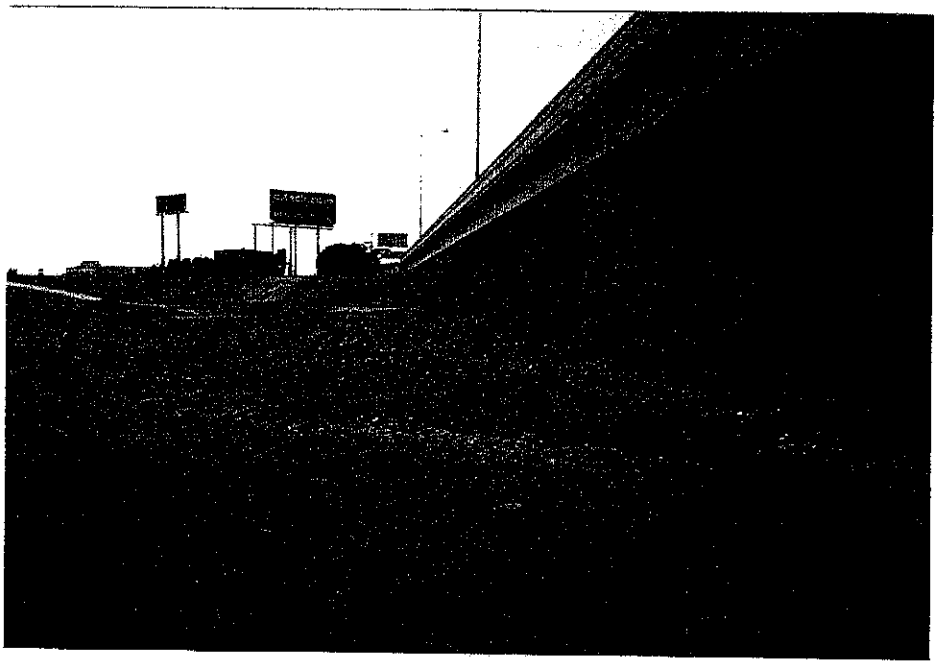
**Photograph No. 1:** View of the Rio Hondo River south of the I-10 freeway (one of the surface water and sediment sample locations).



**Photograph No. 2:** View of the Rio Hondo River north of the I-10 freeway (one of the surface water sample locations).



**Photograph No. 3:** View of the San Gabriel Riverbed south of the I-10 freeway (one of the sediment sample locations).

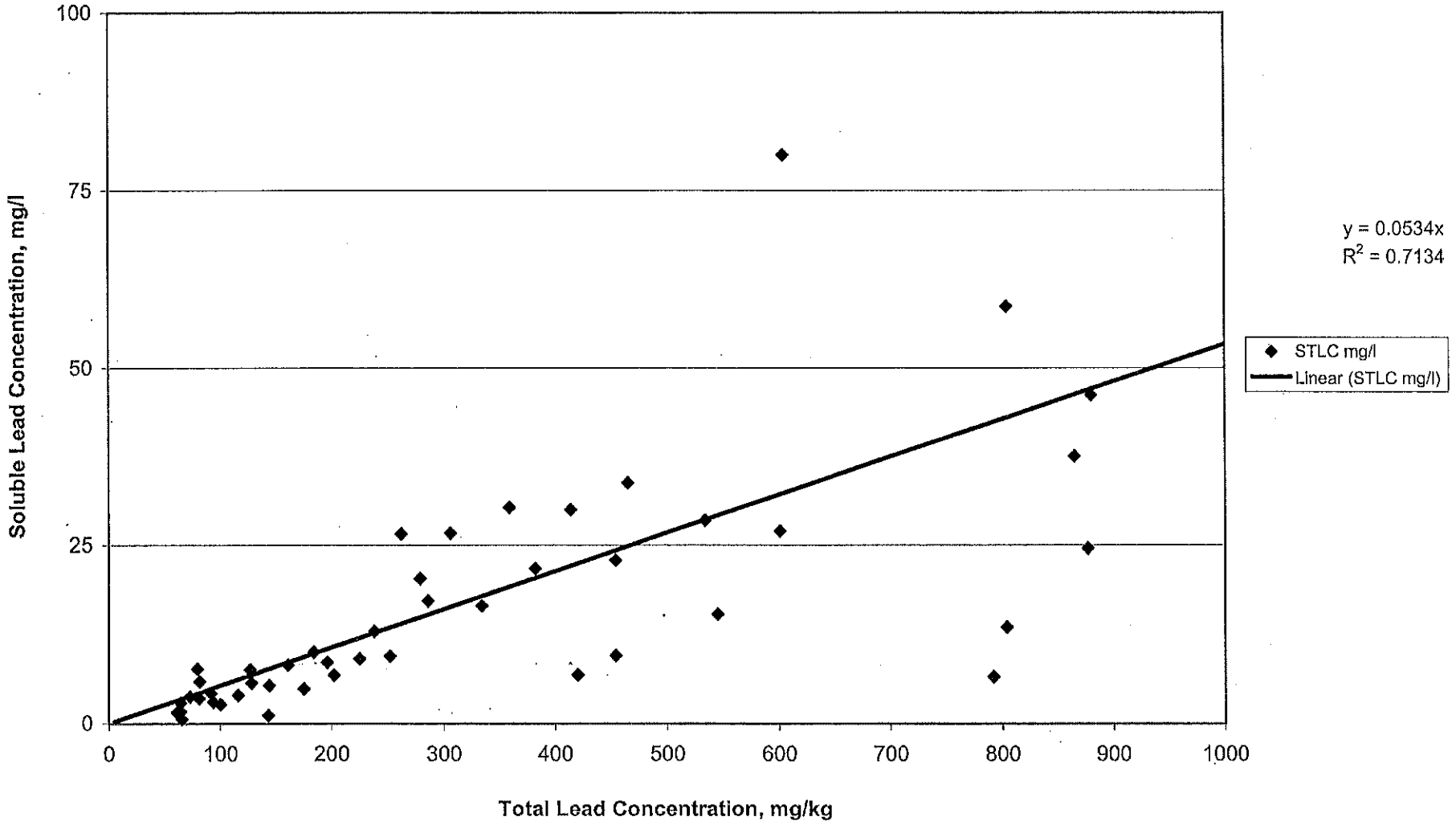


**Photograph No. 4:** View of the San Gabriel Riverbed north of the I-10 freeway (one of the sediment sample locations).

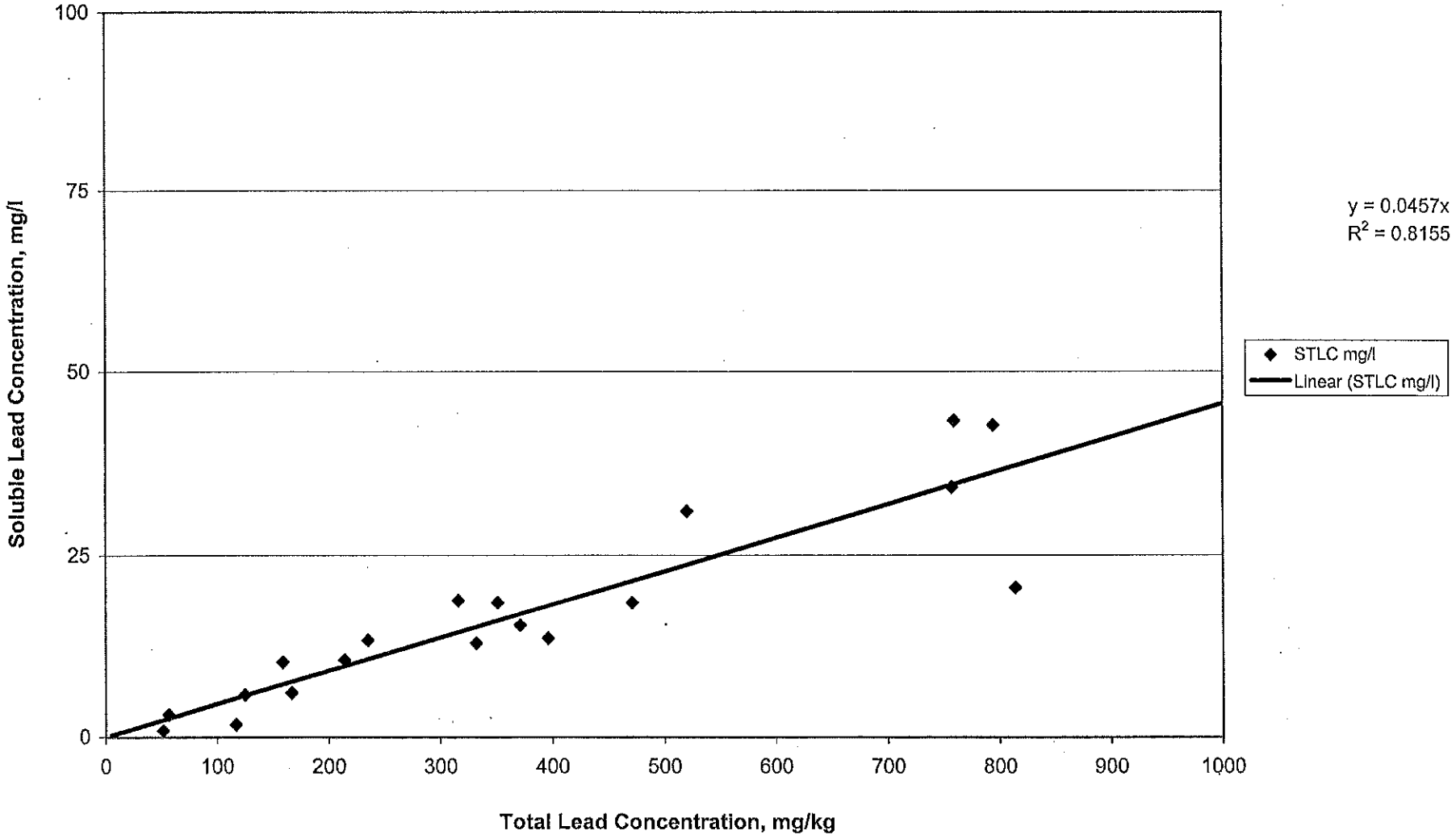
# APPENDIX C

## STATISTICAL ANALYSES

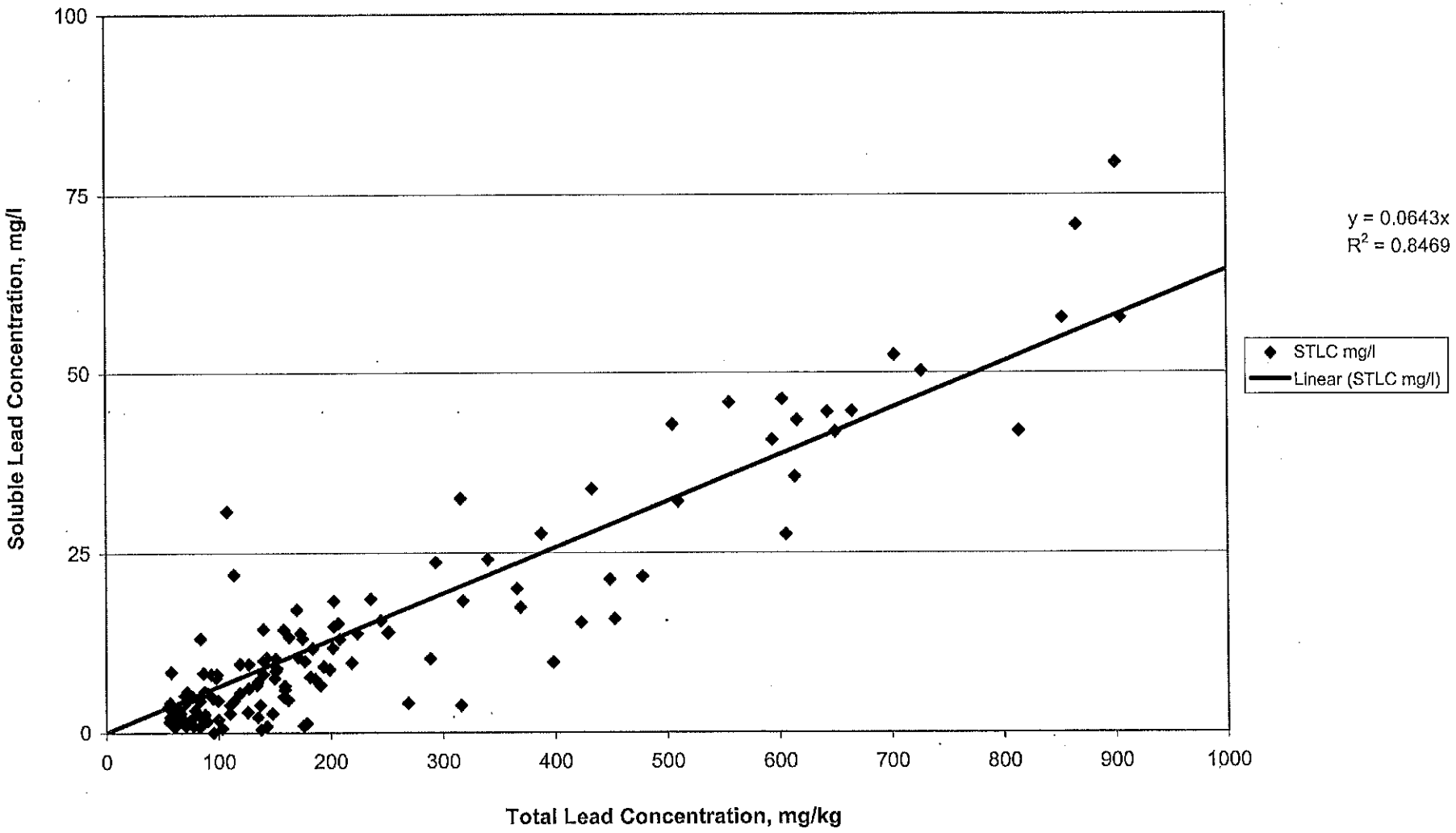
# FIGURE C-1
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 1W



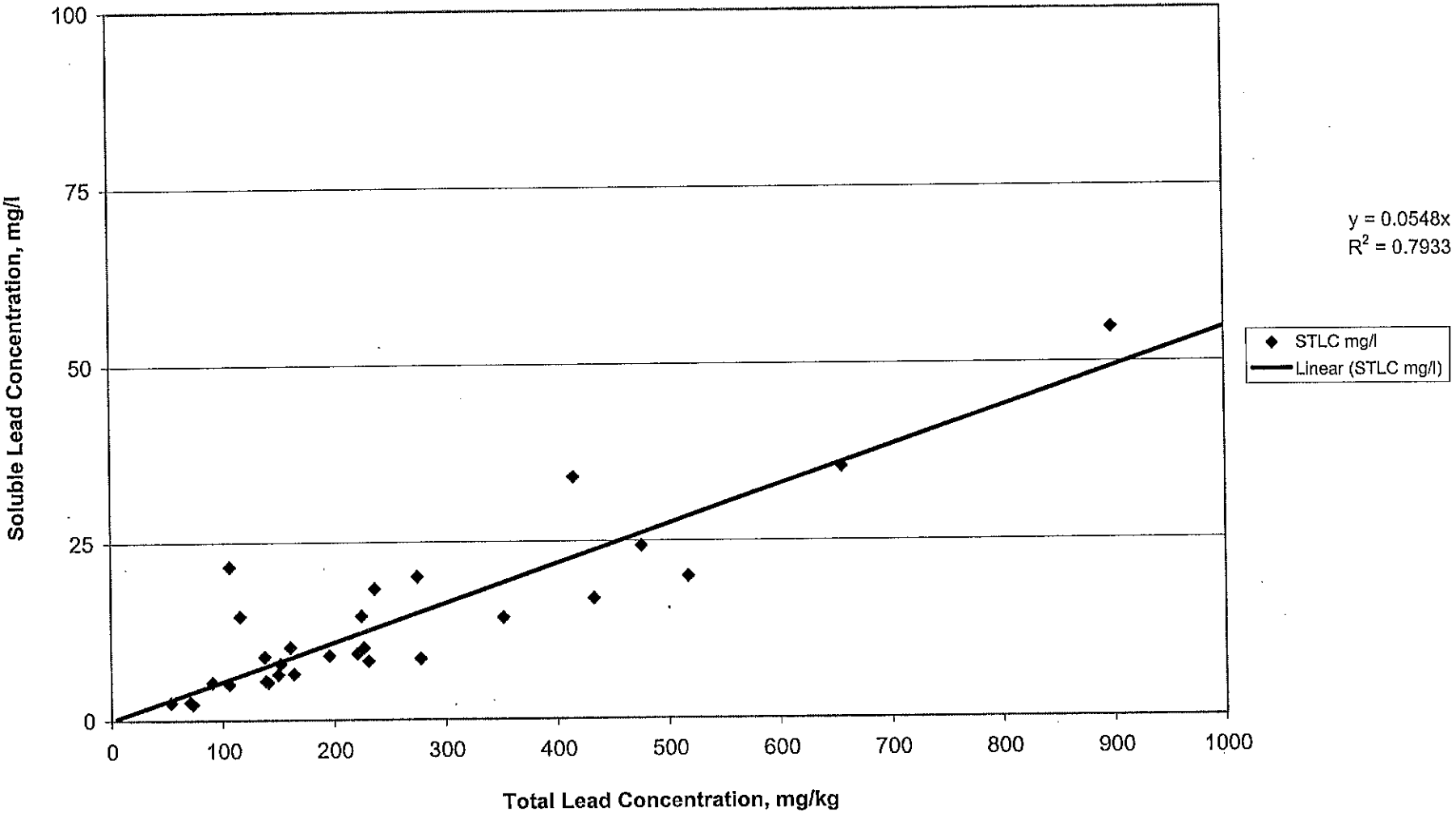
# FIGURE C-2
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 2W



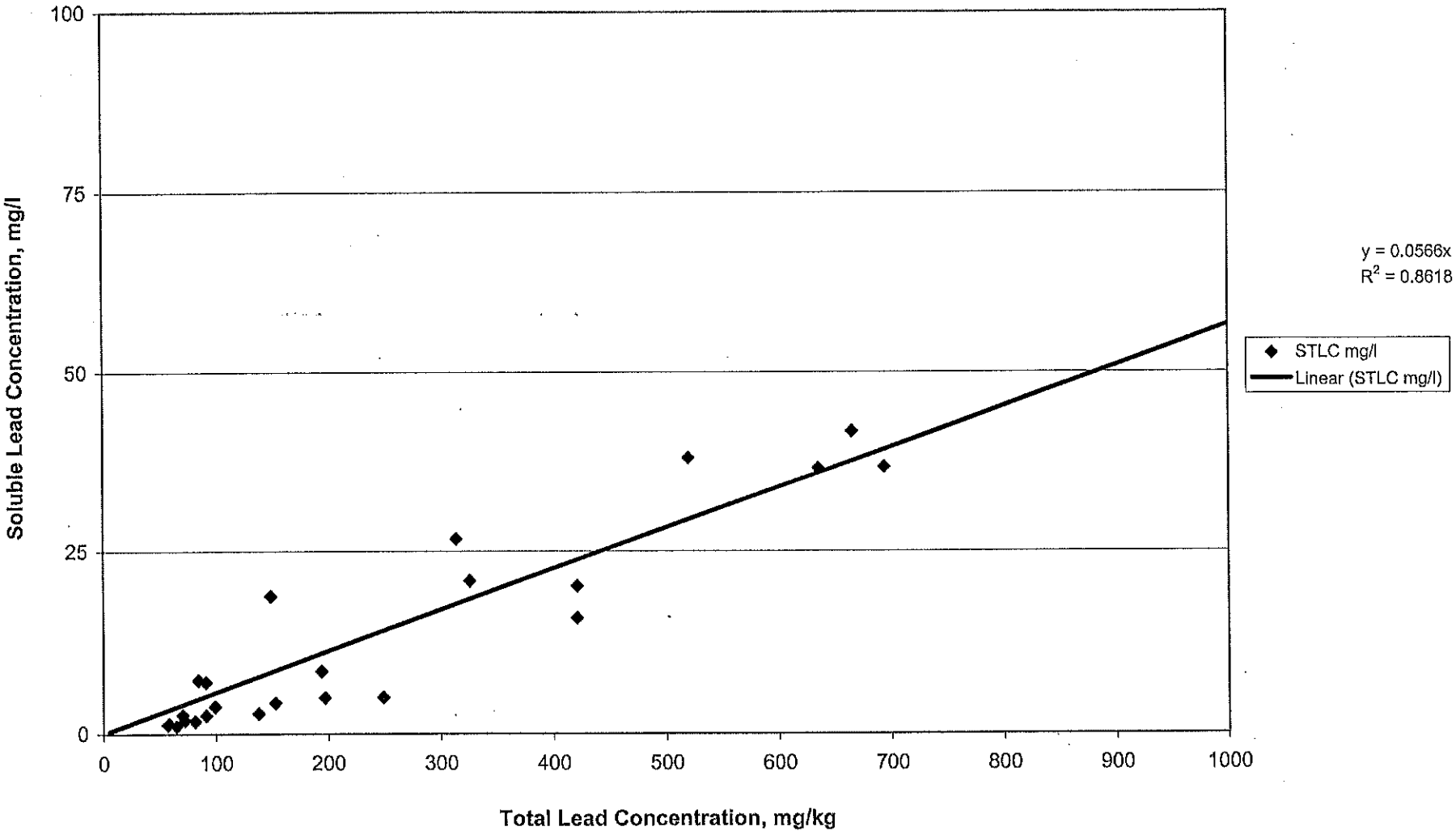
# FIGURE C-3
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 3W



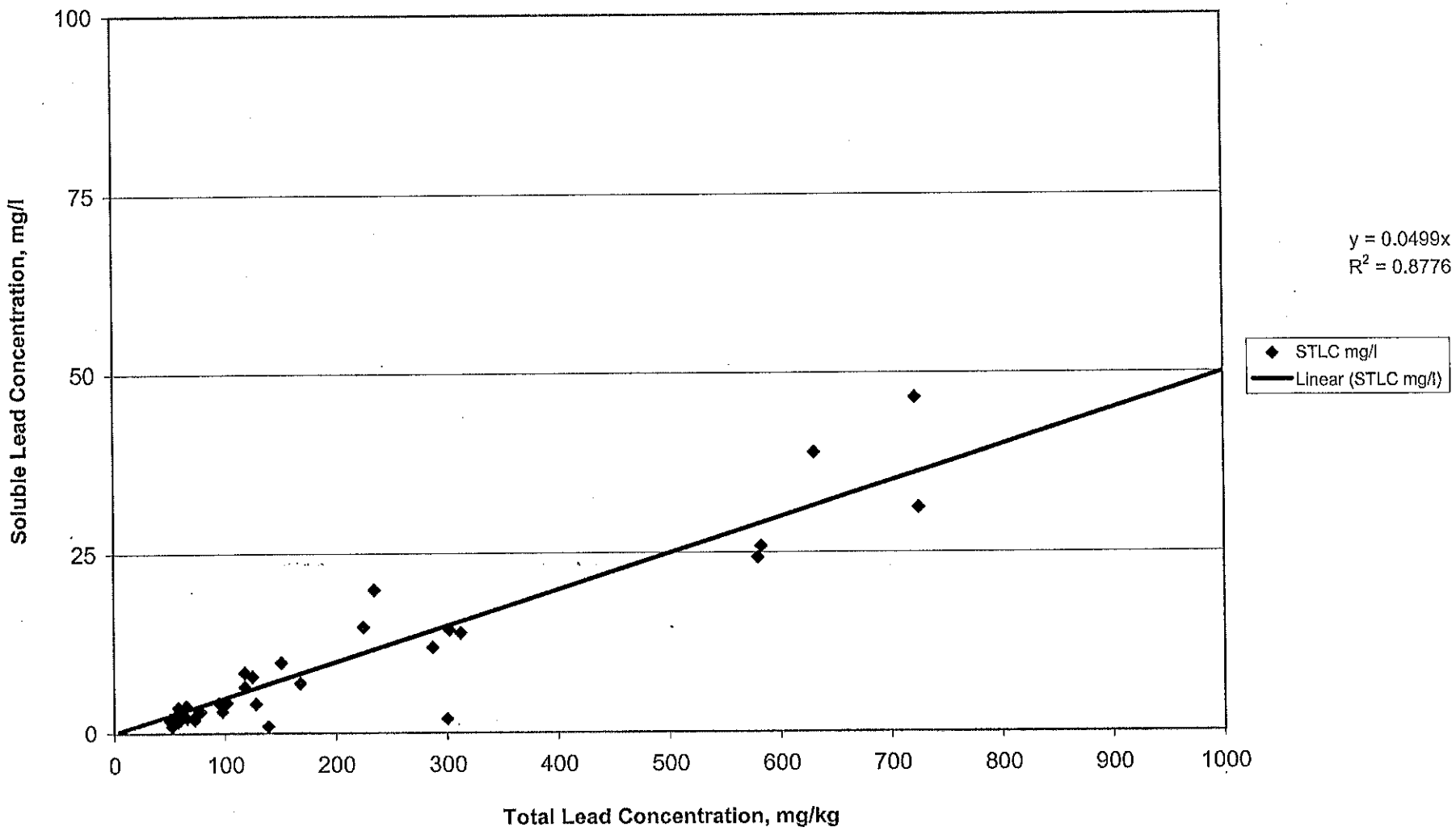
# FIGURE C-4
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 1E/9E



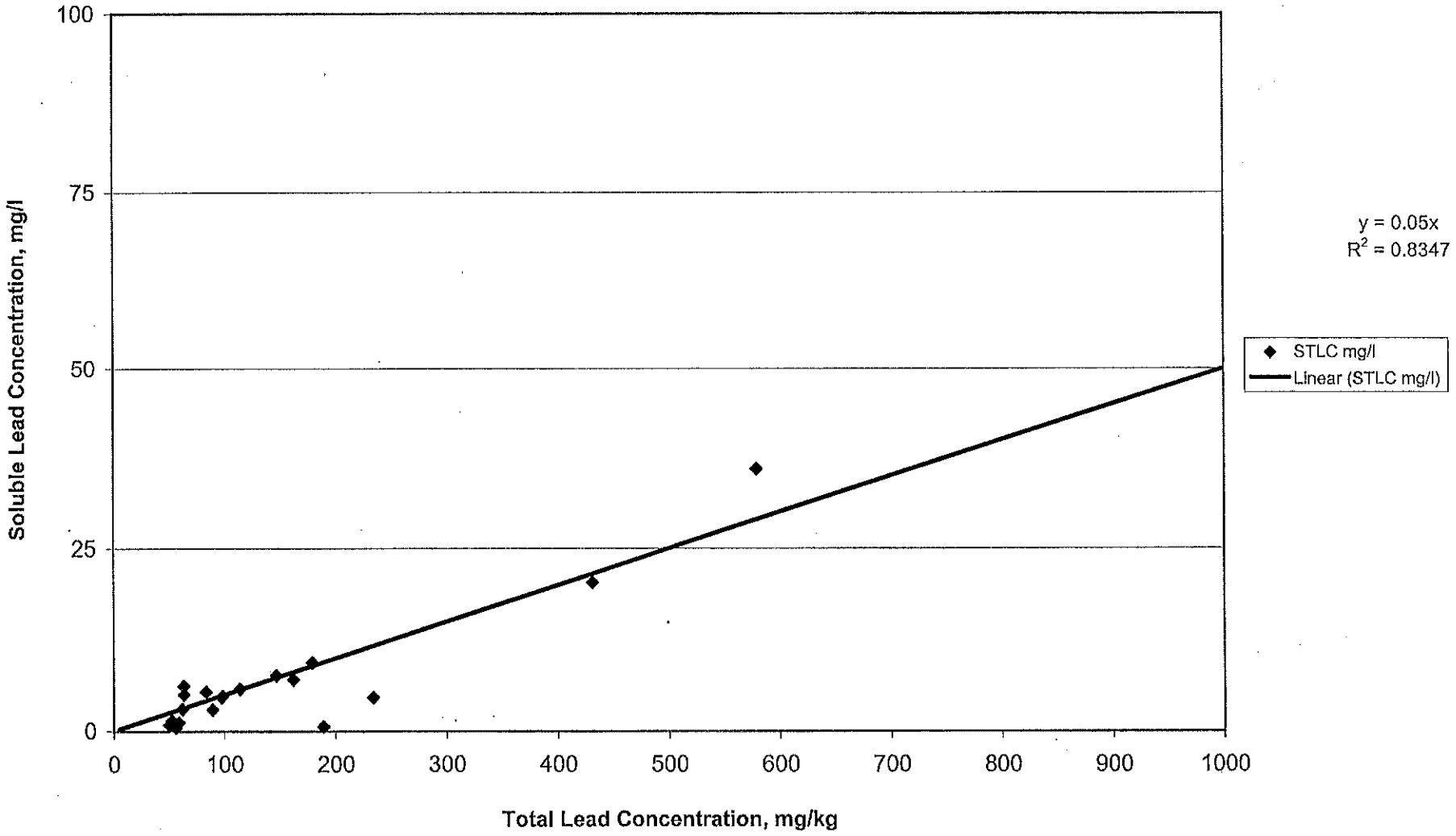
# FIGURE C-5
# CORRELATION OF TOTAL SOLUBLE LEAD
# LOCATION 2E



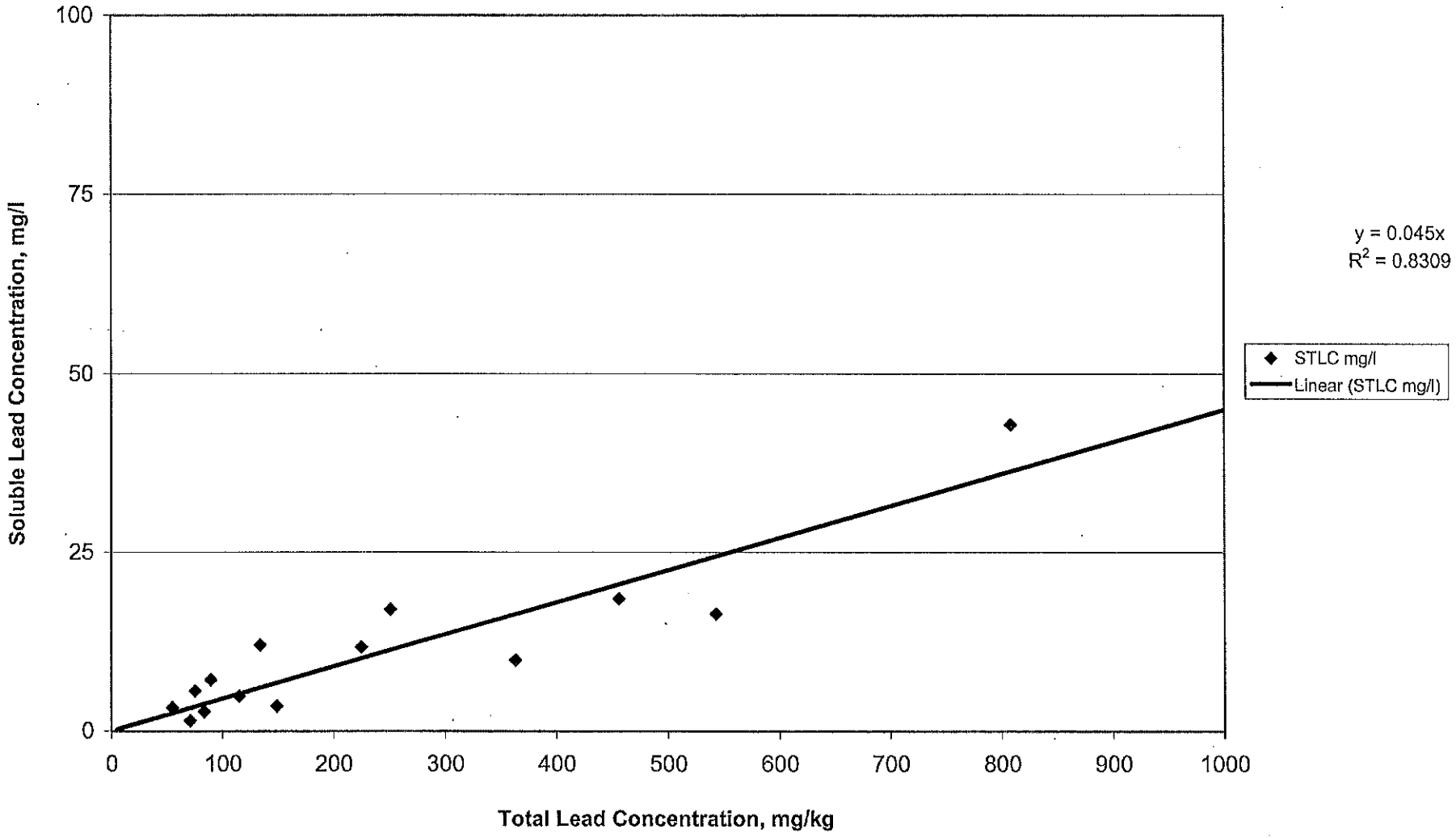
# FIGURE C-6
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 3E



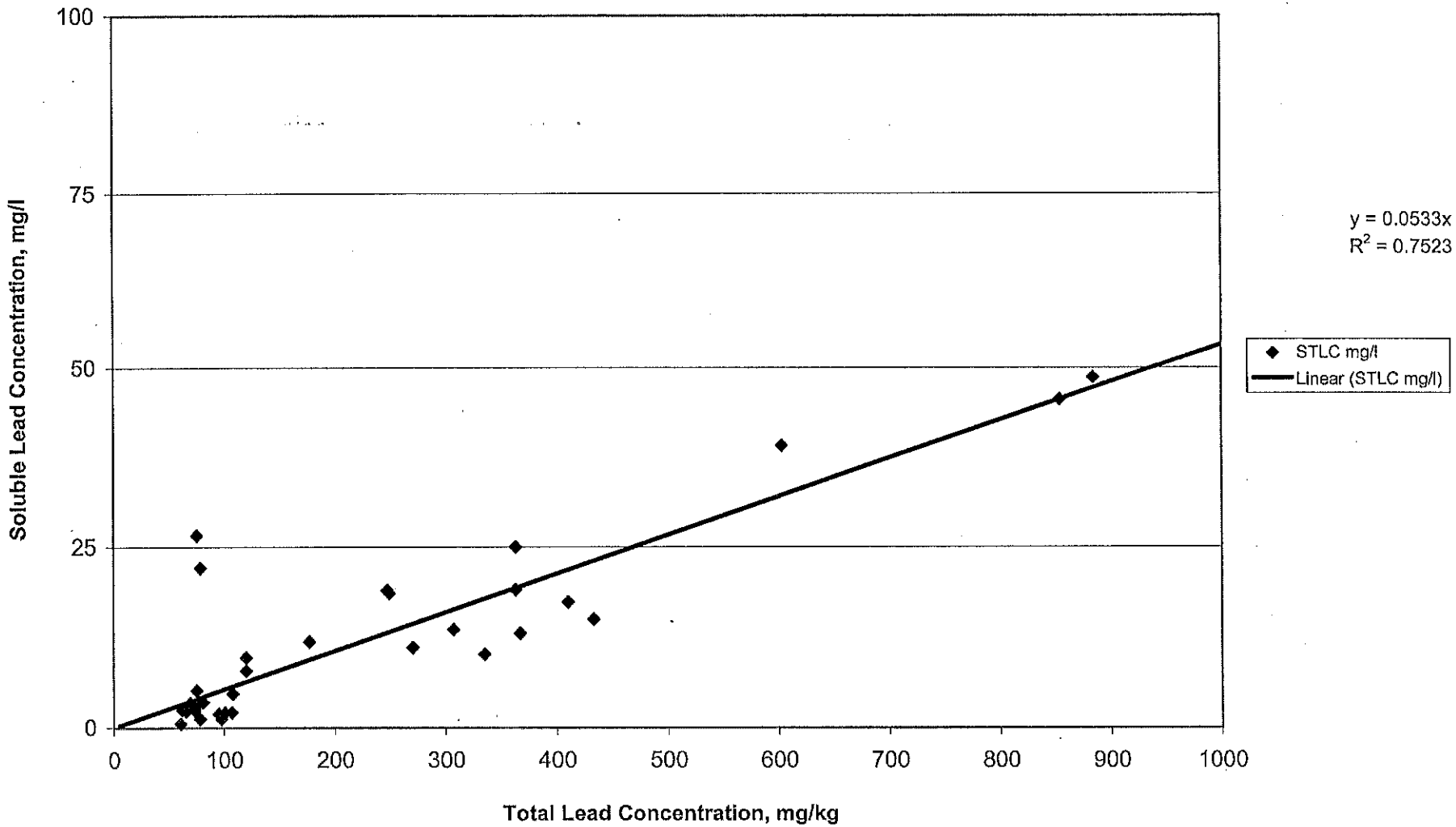
# FIGURE C-7
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 4E



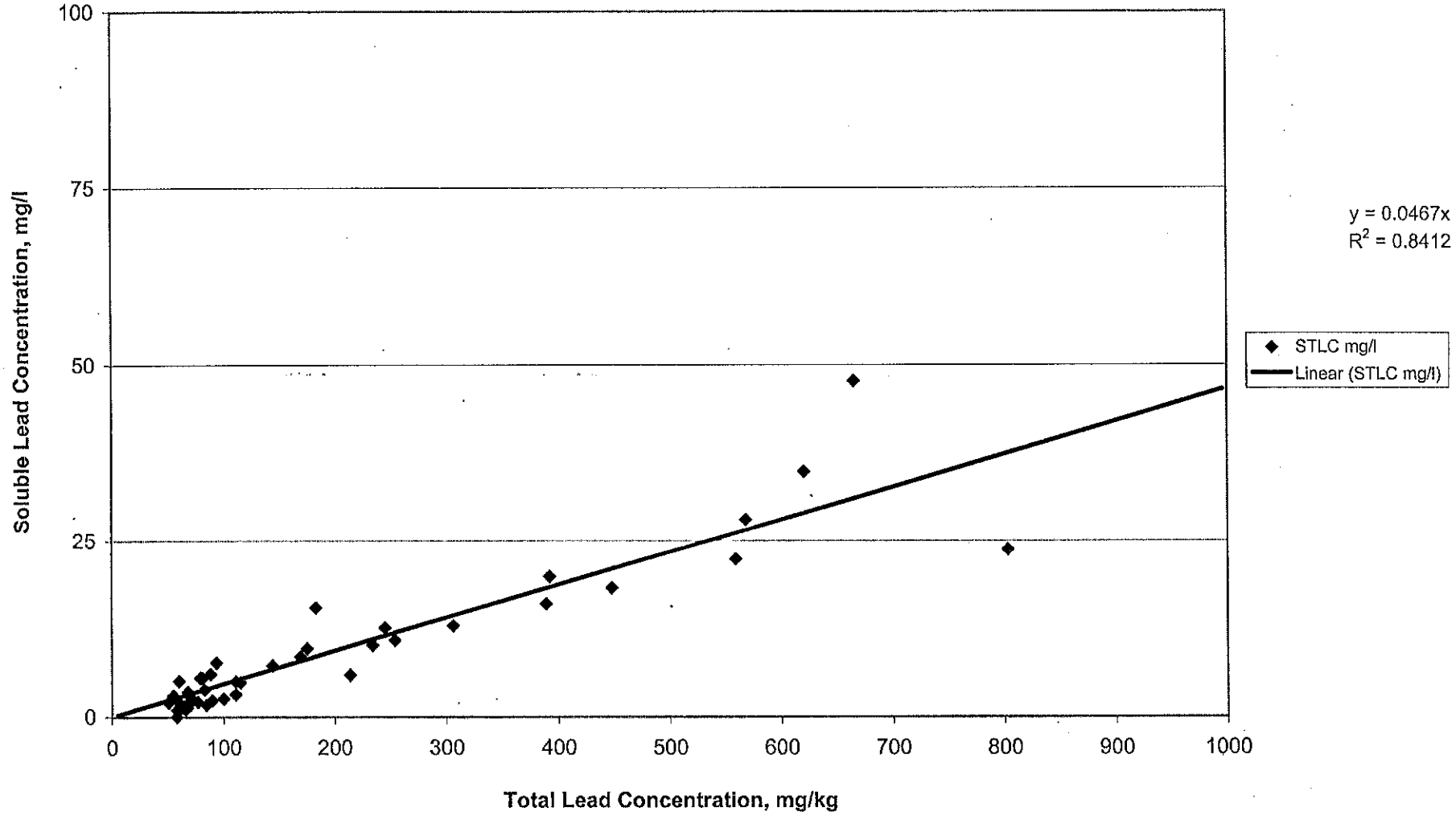
# FIGURE C-8
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 5E



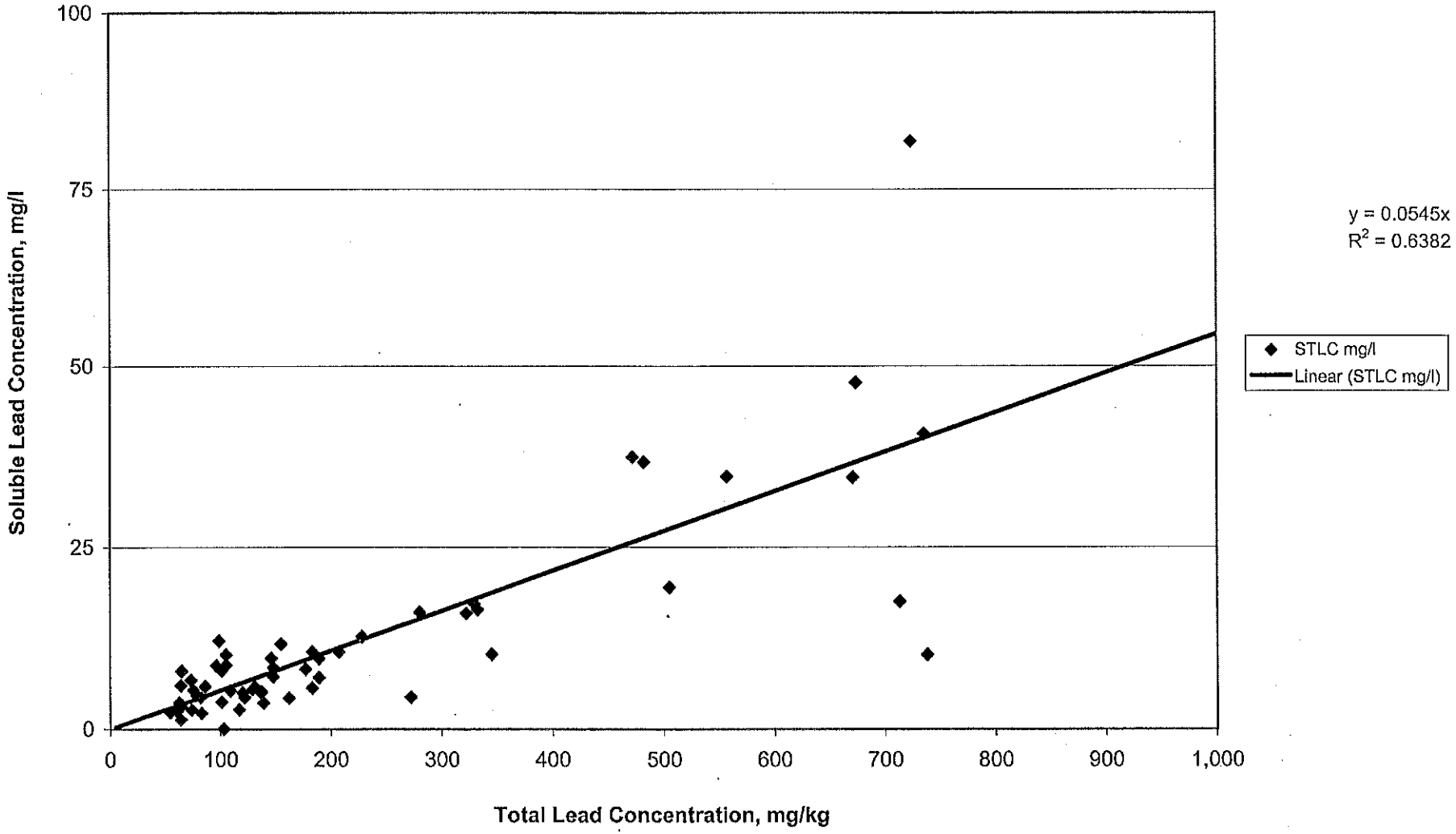
# FIGURE C-9
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 6E



# FIGURE C-10
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 7E



# FIGURE C-11
# CORRELATION OF TOTAL TO SOLUBLE LEAD
# LOCATION 8E



# TABLE C-1
## LEAD ANALYSES - 1E SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E1 | 1E1-A | 1E1-A-SF | 161 | 0.3108 | 0.316045975 |
| 1E1 | 1E1-B | 1E1-B-SF | 518 | 1.0000 | 1.570796327 |
| 1E1 | 1E1-C | 1E1-C-SF | 152 | 0.2934 | 0.297819394 |
| 1E2 | 1E2-A | 1E2-A-SF | 237 | 0.4575 | 0.475214239 |
| 1E2 | 1E2-B | 1E2-B-SF | 476 | 0.9189 | 1.165330921 |
| 1E3 | 1E3-A | 1E3-A-SF | 221 | 0.4266 | 0.440775450 |
| 1E3 | 1E3-B | 1E3-B-SF | 90.7 | 0.1751 | 0.176003807 |
| 1E3 | 1E3-D | 1E3-D-SF | 433 | 0.8359 | 0.989783807 |

| **Total Lead** | Max TTLC: | 518.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 8 | | 8 | | | |
| Sample Mean : | 286 | | 0.679 | | | |
| Delta = RT - mean | 64 | | | | | |
| Appropriate Number of Samples: | 13 | | | | | |
| Standard Deviation of Sample: | 165 | | 0.501 | | | |
| Standard Deviation of Mean: | 58 | | 0.177 | | | |
| Sample Variance: | 27126 | | 0.251 | | | |
| t-value for 90%: | 1.415 | Need to Transform Data | 1.415 | | | |
| Upper Confidence Limit* for 90%: | | | 0.930 | | | |
| Reverse Transformation for 90% | | | 415 | mg/kg | 21 | mg/l |
| t-value for 95%: | | | 1.895 | | | |
| Upper Confidence Limit* for 95%: | | | 1.015 | | | |
| Reverse Transformation for 95% | | | 440 | mg/kg | 22 | mg/l |

# TABLE C-2
## LEAD ANALYSES - 1E SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E1 | 1E1-A | 1E1-A-1 | 656 | 1.0000 | 1.570796327 |
| 1E1 | 1E1-B | 1E1-B-1 | 225 | 0.3430 | 0.350095808 |
| 1E1 | 1E1-C | 1E1-C-1 | 164 | 0.2500 | 0.252680255 |
| 1E2 | 1E2-A | 1E2-A-1 | 5 | 0.0076 | 0.007622025 |
| 1E2 | 1E2-B | 1E2-B-1 | 5 | 0.0076 | 0.007622025 |
| 1E3 | 1E3-A | 1E3-A-1 | 35.8 | 0.0546 | 0.054600296 |
| 1E3 | 1E3-B | 1E3-B-1 | 73 | 0.1113 | 0.111511448 |
| 1E3 | 1E3-D | 1E3-D-1 | 117 | 0.1784 | 0.179313028 |

| **Total Lead** | Max TTLC: | 656.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 8 | | 8 | | | |
| Sample Mean : | 160 | | 0.317 | | | |
| Delta = RT - mean | 190 | | | | | |
| Appropriate Number of Samples: | 3 | | | | | |
| Standard Deviation of Sample: | 215 | | 0.521 | | | |
| Standard Deviation of Mean: | 76 | | 0.184 | | | |
| Sample Variance: | 46164 | | 0.271 | | | |
| t-value for 90%: | 1.415 | Need to Transform Data | 1.415 | | | |
| Upper Confidence Limit* for 90%: | | | 0.577 | | | |
| Reverse Transformation for 90% | | | 358 | mg/kg | 18 | mg/l |
| t-value for 95%: | | | 1.895 | | | |
| Upper Confidence Limit* for 95%: | | | 0.666 | | | |
| Reverse Transformation for 95% | | | 405 | mg/kg | 21 | mg/l |

# TABLE C-3
## LEAD ANALYSES - 1E SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E1 | 1E1-A | 1E1-A-2 | 415 | 1.0000 | 1.570796327 |
| 1E1 | 1E1-B | 1E1-B-2 | 278 | 0.6699 | 0.734046504 |
| 1E1 | 1E1-C | 1E1-C-2 | 106 | 0.2554 | 0.258283832 |
| 1E2 | 1E2-A | 1E2-A-2 | 5 | 0.0120 | 0.012048484 |
| 1E2 | 1E2-B | 1E2-B-2 | 53.3 | 0.1284 | 0.128789472 |
| 1E3 | 1E3-A | 1E3-A-2 | 16.2 | 0.0390 | 0.039046065 |
| 1E3 | 1E3-B | 1E3-B-2 | 70.7 | 0.1704 | 0.171196465 |
| 1E3 | 1E3-D | 1E3-D-2 | 5 | 0.0120 | 0.012048484 |

| **Total Lead** | Max TTLC: | 415.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 8 | | 8 | | | |
| Sample Mean : | 119 | | 0.366 | | | |
| Delta = RT - mean | 231 | | | | | |
| Appropriate Number of Samples: | 1 | | | | | |
| Standard Deviation of Sample: | 149 | | 0.541 | | | |
| Standard Deviation of Mean: | 53 | | 0.191 | | | |
| Sample Variance: | 22325 | | 0.293 | | | |
| t-value for 90%: | 1.415 | Need to Transform Data | 1.415 | | | |
| Upper Confidence Limit* for 90%: | | | 0.637 | | | |
| Reverse Transformation for 90% | | | 247 | mg/kg | 12 | mg/l |
| t-value for 95%: | | | 1.895 | | | |
| Upper Confidence Limit* for 95%: | | | 1.860 | | | |
| Reverse Transformation for 95% | | | 398 | mg/kg | 20 | mg/l |

## TABLE C-4
## LEAD ANALYSES - 1E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E1 | 1E1-A | 1E1-A-SF | 161 | 0.2454 | 0.247959964 |
| 1E1 | 1E1-B | 1E1-B-SF | 518 | 0.7896 | 0.910212506 |
| 1E1 | 1E1-C | 1E1-C-SF | 152 | 0.2317 | 0.233832398 |
| 1E2 | 1E2-A | 1E2-A-SF | 237 | 0.3613 | 0.369640769 |
| 1E2 | 1E2-B | 1E2-B-SF | 476 | 0.7256 | 0.811920117 |
| 1E3 | 1E3-A | 1E3-A-SF | 221 | 0.3369 | 0.343612111 |
| 1E3 | 1E3-B | 1E3-B-SF | 90.7 | 0.1383 | 0.138706542 |
| 1E3 | 1E3-D | 1E3-D-SF | 433 | 0.6601 | 0.720899928 |
| 1E1 | 1E1-A | 1E1-A-1 | 656 | 1.0000 | 1.570796327 |
| 1E1 | 1E1-B | 1E1-B-1 | 225 | 0.3430 | 0.350095808 |
| 1E1 | 1E1-C | 1E1-C-1 | 164 | 0.2500 | 0.252680255 |
| 1E2 | 1E2-A | 1E2-A-1 | 5 | 0.0076 | 0.007622025 |
| 1E2 | 1E2-B | 1E2-B-1 | 5 | 0.0076 | 0.007622025 |
| 1E3 | 1E3-A | 1E3-A-1 | 35.8 | 0.0546 | 0.054600296 |
| 1E3 | 1E3-B | 1E3-B-1 | 73 | 0.1113 | 0.111511448 |
| 1E3 | 1E3-D | 1E3-D-1 | 117 | 0.1784 | 0.179313028 |
| 1E1 | 1E1-A | 1E1-A-2 | 415 | 0.6326 | 0.684934068 |
| 1E1 | 1E1-B | 1E1-B-2 | 278 | 0.4238 | 0.437615072 |
| 1E1 | 1E1-C | 1E1-C-2 | 106 | 0.1616 | 0.162296919 |
| 1E2 | 1E2-A | 1E2-A-2 | 5 | 0.0076 | 0.007622025 |
| 1E2 | 1E2-B | 1E2-B-2 | 53.3 | 0.0813 | 0.081339663 |
| 1E3 | 1E3-A | 1E3-A-2 | 16.2 | 0.0247 | 0.024697633 |
| 1E3 | 1E3-B | 1E3-B-2 | 70.7 | 0.1078 | 0.107984127 |
| 1E3 | 1E3-D | 1E3-D-2 | 5 | 0.0076 | 0.007622025 |

| **Total Lead** | Max TTLC: | 656.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 24 | | 24 | | | |
| Sample Mean : | 188 | | 0.326 | | | |
| Delta = RT - mean | 162 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 185 | | 0.376 | | | |
| Standard Deviation of Mean: | 38 | | 0.077 | | | |
| Sample Variance: | 34390 | | 0.141 | | | |
| t-value for 90%: | 1.319 | Need to Transform Data | 1.319 | | | |
| Upper Confidence Limit* for 90%: | | | 0.427 | | | |
| Reverse Transformation for 90% | | | 272 | mg/kg | 14 | mg/l |
| t-value for 95%: | | | 1.714 | | | |
| Upper Confidence Limit* for 95%: | | | 0.458 | | | |
| Reverse Transformation for 95% | | | 290 | mg/kg | 15 | mg/l |

## TABLE C-5
## LEAD ANALYSES - 2E SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-A | 2E1-A-SF | 194 | 0.1043 | 0.104491117 |
| 2E1 | 2E1-B | 2E1-B-SF | 5 | 0.0027 | 0.002688175 |
| 2E1 | 2E1-C | 2E1-C-SF | 58.2 | 0.0313 | 0.031295431 |
| 2E1 | 2E1-D | 2E1-D-SF | 57.3 | 0.0308 | 0.030811326 |
| 2E1 | 2E1-E | 2E1-E-SF | 37.3 | 0.0201 | 0.020055108 |
| 2E1 | 2E1-F | 2E1-F-SF | 47 | 0.0253 | 0.025271507 |
| 2E2 | 2E2-A | 2E2-A-SF | 19.5 | 0.0105 | 0.010484063 |
| 2E2 | 2E2-B | 2E2-B-SF | 1160 | 0.6237 | 0.673410909 |
| 2E3 | 2E3-A | 2E3-A-SF | 1860 | 1.0000 | 1.570796327 |
| 2E3 | 2E3-B | 2E3-B-SF | 197 | 0.1059 | 0.106113005 |

| **Total Lead** | Max TTLC: | 1860.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 657 | | 0.477 | | | |
| Delta = RT - mean | -307 | | | | | |
| Appropriate Number of Samples: | 8 | | | | | |
| Standard Deviation of Sample: | 630 | | 0.670 | | | |
| Standard Deviation of Mean: | 199 | | 0.212 | | | |
| Sample Variance: | 396753 | | 0.449 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.770 | | | |
| Reverse Transformation for 90% | | | 1295 | mg/kg | 73 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.865 | | | |
| Reverse Transformation for 95% | | | 1416 | mg/kg | 80 | mg/l |

# TABLE C-6
## LEAD ANALYSES - 2E SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-A | 2E1-A-1 | 91.3 | 0.1316 | 0.131938657 |
| 2E1 | 2E1-B | 2E1-B-1 | 21 | 0.0303 | 0.030263986 |
| 2E1 | 2E1-C | 2E1-C-1 | 40.5 | 0.0584 | 0.058390523 |
| 2E1 | 2E1-D | 2E1-D-1 | 27.8 | 0.0401 | 0.040068357 |
| 2E1 | 2E1-E | 2E1-E-1 | 32 | 0.0461 | 0.046125865 |
| 2E1 | 2E1-F | 2E1-F-1 | 5 | 0.0072 | 0.007204673 |
| 2E2 | 2E2-A | 2E2-A-1 | 42 | 0.0605 | 0.060555735 |
| 2E2 | 2E2-B | 2E2-B-1 | 694 | 1.0000 | 1.570796312 |
| 2E3 | 2E3-B | 2E3-B-1 | 5 | 0.0072 | 0.007204673 |

| **Total Lead** | Max TTLC: | 694.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 9 | | 9 | | | |
| Sample Mean : | 156 | | 0.338 | | | |
| Delta = RT - mean | 194 | | | | | |
| Appropriate Number of Samples: | 3 | | | | | |
| Standard Deviation of Sample: | 222 | | 0.689 | | | |
| Standard Deviation of Mean: | 74 | | 0.230 | | | |
| Sample Variance: | 49195 | | 0.475 | | | |
| t-value for 90%: | 1.397 | Need to Transform Data | 1.397 | | | |
| Upper Confidence Limit* for 90%: | | | 0.659 | | | |
| Reverse Transformation for 90% | | | 425 | mg/kg | 24 | mg/l |
| t-value for 95%: | | | 1.860 | | | |
| Upper Confidence Limit* for 95%: | | | 0.766 | | | |
| Reverse Transformation for 95% | | | 481 | mg/kg | 27.0 | mg/l |

# TABLE C-7
## LEAD ANALYSES - 2E SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-A | 2E1-A-2 | 72.5 | 0.1722 | 0.173071760 |
| 2E1 | 2E1-B | 2E1-B-2 | 5 | 0.0119 | 0.011876764 |
| 2E1 | 2E1-C | 2E1-C-2 | 34 | 0.0808 | 0.080848142 |
| 2E1 | 2E1-D | 2E1-D-2 | 84.4 | 0.2005 | 0.201842800 |
| 2E1 | 2E1-E | 2E1-E-2 | 16.5 | 0.0392 | 0.039202440 |
| 2E1 | 2E1-F | 2E1-F-2 | 70.3 | 0.1670 | 0.167769287 |
| 2E2 | 2E2-A | 2E2-A-2 | 91.2 | 0.2166 | 0.218358177 |
| 2E2 | 2E2-B | 2E2-B-2 | 421 | 1.0000 | 1.570796327 |
| 2E3 | 2E3-A | 2E3-A-2 | 149 | 0.3539 | 0.361758262 |
| 2E3 | 2E3-B | 2E3-B-2 | 14.6 | 0.0347 | 0.034686290 |

| **Total Lead** | Max TTLC: | 421.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 127 | | 0.399 | | | |
| Delta = RT - mean | 223 | | | | | |
| Appropriate Number of Samples: | 1 | | | | | |
| Standard Deviation of Sample: | 122 | | 0.587 | | | |
| Standard Deviation of Mean: | 39 | | 0.186 | | | |
| Sample Variance: | 14986 | | 0.345 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.655 | | | |
| Reverse Transformation for 90% | | | 257 | mg/kg | 15 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.739 | | | |
| Reverse Transformation for 95% | | | 284 | mg/kg | 16 | mg/l |

## TABLE C-8
## LEAD ANALYSES - 2E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-A | 2E1-A-SF | 194 | 0.1043 | 0.104491117 |
| 2E1 | 2E1-B | 2E1-B-SF | 5 | 0.0027 | 0.002688175 |
| 2E1 | 2E1-C | 2E1-C-SF | 58.2 | 0.0313 | 0.031295431 |
| 2E1 | 2E1-D | 2E1-D-SF | 57.3 | 0.0308 | 0.030811326 |
| 2E1 | 2E1-E | 2E1-E-SF | 37.3 | 0.0201 | 0.020055108 |
| 2E1 | 2E1-F | 2E1-F-SF | 47 | 0.0253 | 0.025271507 |
| 2E2 | 2E2-A | 2E2-A-SF | 19.5 | 0.0105 | 0.010484063 |
| 2E2 | 2E2-B | 2E2-B-SF | 1160 | 0.6237 | 0.673410909 |
| 2E3 | 2E3-A | 2E3-A-SF | 1860 | 1.0000 | 1.570796327 |
| 2E3 | 2E3-B | 2E3-B-SF | 197 | 0.1059 | 0.106113005 |
| 2E1 | 2E1-A | 2E1-A-1 | 91.3 | 0.0491 | 0.049105755 |
| 2E1 | 2E1-B | 2E1-B-1 | 21 | 0.0113 | 0.011290562 |
| 2E1 | 2E1-C | 2E1-C-1 | 40.5 | 0.0218 | 0.021775914 |
| 2E1 | 2E1-D | 2E1-D-1 | 27.8 | 0.0149 | 0.014946793 |
| 2E1 | 2E1-E | 2E1-E-1 | 32 | 0.0172 | 0.017205150 |
| 2E1 | 2E1-F | 2E1-F-1 | 5 | 0.0027 | 0.002688175 |
| 2E2 | 2E2-A | 2E2-A-1 | 42 | 0.0226 | 0.022582565 |
| 2E2 | 2E2-B | 2E2-B-1 | 694 | 0.3731 | 0.382367757 |
| 2E3 | 2E3-B | 2E3-B-1 | 5 | 0.0027 | 0.002688175 |
| 2E1 | 2E1-A | 2E1-A-2 | 72.5 | 0.0390 | 0.038988372 |
| 2E1 | 2E1-B | 2E1-B-2 | 5 | 0.0027 | 0.002688175 |
| 2E1 | 2E1-C | 2E1-C-2 | 34 | 0.0183 | 0.018280588 |
| 2E1 | 2E1-D | 2E1-D-2 | 84.4 | 0.0454 | 0.045391930 |
| 2E1 | 2E1-E | 2E1-E-2 | 16.5 | 0.0089 | 0.008871084 |
| 2E1 | 2E1-F | 2E1-F-2 | 70.3 | 0.0378 | 0.037804703 |
| 2E2 | 2E2-A | 2E2-A-2 | 91.2 | 0.0490 | 0.049051926 |

## TABLE C-8
## LEAD ANALYSES - 2E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E2 | 2E2-B | 2E2-B-2 | 421 | 0.2263 | 0.228322713 |
| 2E3 | 2E3-A | 2E3-A-2 | 149 | 0.0801 | 0.080193453 |
| 2E3 | 2E3-B | 2E3-B-2 | 14.6 | 0.0078 | 0.007849543 |

| **Total Lead** | Max TTLC: | 1860.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 29 | | 29 | | | |
| Sample Mean : | 191 | | 0.125 | | | |
| Delta = RT - mean | 159 | | | | | |
| Appropriate Number of Samples: | 11 | | | | | |
| Standard Deviation of Sample: | 403 | | 0.311 | | | |
| Standard Deviation of Mean: | 75 | | 0.058 | | | |
| Sample Variance: | 162559 | | 0.097 | | | |
| t-value for 90%: | 1.313 | Need to Transform Data | 1.313 | | | |
| Upper Confidence Limit* for 90%: | | | 0.201 | | | |
| Reverse Transformation for 90% | | | 371 | mg/kg | 21 | mg/l |
| t-value for 95%: | | | 1.701 | | | |
| Upper Confidence Limit* for 95%: | | | 0.223 | | | |
| Reverse Transformation for 95% | | | 411 | mg/kg | 23 | mg/l |

## TABLE C-9
## LEAD ANALYSES - 3E SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-A | 3E1-A-SF | 11.4 | 0.0095 | 0.009500143 |
| 3E1 | 3E1-B | 3E1-B-SF | 64.8 | 0.0540 | 0.054026278 |
| 3E2 | 3E2-A | 3E2-A-SF | 583 | 0.4858 | 0.507316330 |
| 3E3 | 3E3-A | 3E3-A-SF | 1200 | 1.0000 | 1.570796327 |
| 3E3 | 3E3-B | 3E3-B-SF | 38.9 | 0.0324 | 0.032422347 |
| 3E3 | 3E3-C | 3E3-C-SF | 287 | 0.2392 | 0.241507519 |
| 3E3 | 3E3-D | 3E3-D-SF | 65.4 | 0.0545 | 0.054527016 |
| 3E3 | 3E3-E | 3E3-E-SF | 118 | 0.0983 | 0.098492498 |
| 3E3 | 3E3-F | 3E3-F-SF | 125 | 0.1042 | 0.104355973 |
| 3E3 | 3E3-G | 3E3-G-SF | 94.6 | 0.0788 | 0.078915217 |

| **Total Lead** | Max TTLC: | 1200.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 259 | | 0.275 | | | |
| Delta = RT - mean | 91 | | | | | |
| Appropriate Number of Samples: | 32 | | | | | |
| Standard Deviation of Sample: | 371 | | 0.478 | | | |
| Standard Deviation of Mean: | 117 | | 0.151 | | | |
| Sample Variance: | 137894 | | 0.229 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.484 | | | |
| Reverse Transformation for 90% | | | 559 | mg/kg | 28 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.552 | | | |
| Reverse Transformation for 95% | | | 630 | mg/kg | 31 | mg/l |

# TABLE C-10
## LEAD ANALYSES - 3E SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-A | 3E1-A-1 | 5 | 0.0424 | 0.042385571 |
| 3E1 | 3E1-B | 3E1-B-1 | 15.7 | 0.1331 | 0.133446564 |
| 3E2 | 3E2-A | 3E2-A-1 | 5 | 0.0424 | 0.042385571 |
| 3E3 | 3E3-A | 3E3-A-1 | 50.8 | 0.4305 | 0.445056054 |
| 3E3 | 3E3-B | 3E3-B-1 | 46.1 | 0.3907 | 0.401367975 |
| 3E3 | 3E3-C | 3E3-C-1 | 38 | 0.3220 | 0.327877049 |
| 3E3 | 3E3-D | 3E3-D-1 | 21.7 | 0.1839 | 0.184950935 |
| 3E3 | 3E3-E | 3E3-E-1 | 46.9 | 0.3975 | 0.408744563 |
| 3E3 | 3E3-F | 3E3-F-1 | 102 | 0.8644 | 1.043969323 |
| 3E3 | 3E3-G | 3E3-G-1 | 118 | 1.0000 | 1.570796327 |

| **Total Lead** | Max TTLC: | 118.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 45 | | 0.460 | | | |
| Delta = RT - mean | 305 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 38 | | 0.486 | | | |
| Standard Deviation of Mean: | 12 | | 0.154 | | | |
| Sample Variance: | 1474 | | 0.237 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.673 | | | |
| Reverse Transformation for 90% | | | 74 | mg/kg | 3.7 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.742 | | | |
| Reverse Transformation for 95% | | | 80 | mg/kg | 4.0 | mg/l |

# TABLE C-11
## LEAD ANALYSES - 3E SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-A | 3E1-A-2 | 5 | 0.0160 | 0.016026327 |
| 3E1 | 3E1-B | 3E1-B-2 | 5 | 0.0160 | 0.016026327 |
| 3E2 | 3E2-A | 3E2-A-2 | 17.4 | 0.0558 | 0.055798180 |
| 3E3 | 3E3-A | 3E3-A-2 | 312 | 1.0000 | 1.570796327 |
| 3E3 | 3E3-B | 3E3-B-2 | 51.7 | 0.1657 | 0.166472981 |
| 3E3 | 3E3-C | 3E3-C-2 | 225 | 0.7212 | 0.805466421 |
| 3E3 | 3E3-D | 3E3-D-2 | 23.3 | 0.0747 | 0.074749077 |
| 3E3 | 3E3-E | 3E3-E-2 | 41.3 | 0.1324 | 0.132761451 |
| 3E3 | 3E3-F | 3E3-F-2 | 57.7 | 0.1849 | 0.186006634 |
| 3E3 | 3E3-G | 3E3-G-2 | 300 | 0.9615 | 1.292549504 |

| **Total Lead** | Max TTLC: | 312.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 104 | | 0.432 | | | |
| Delta = RT - mean | 246 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 124 | | 0.579 | | | |
| Standard Deviation of Mean: | 39 | | 0.183 | | | |
| Sample Variance: | 15416 | | 0.335 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.685 | | | |
| Reverse Transformation for 90% | | | 197 | mg/kg | 10 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.767 | | | |
| Reverse Transformation for 95% | | | 217 | mg/kg | 11 | mg/l |

## TABLE C-12
## LEAD ANALYSES - 3E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-A | 3E1-A-SF | 11.4 | 0.0095 | 0.009500143 |
| 3E1 | 3E1-B | 3E1-B-SF | 64.8 | 0.0540 | 0.054026278 |
| 3E2 | 3E2-A | 3E2-A-SF | 583 | 0.4858 | 0.507316330 |
| 3E3 | 3E3-A | 3E3-A-SF | 1200 | 1.0000 | 1.570796327 |
| 3E3 | 3E3-B | 3E3-B-SF | 38.9 | 0.0324 | 0.032422347 |
| 3E3 | 3E3-C | 3E3-C-SF | 287 | 0.2392 | 0.241507519 |
| 3E3 | 3E3-D | 3E3-D-SF | 65.4 | 0.0545 | 0.054527016 |
| 3E3 | 3E3-E | 3E3-E-SF | 118 | 0.0983 | 0.098492498 |
| 3E3 | 3E3-F | 3E3-F-SF | 125 | 0.1042 | 0.104355973 |
| 3E3 | 3E3-G | 3E3-G-SF | 94.6 | 0.0788 | 0.078915217 |
| 3E1 | 3E1-A | 3E1-A-1 | 5 | 0.0042 | 0.004166679 |
| 3E1 | 3E1-B | 3E1-B-1 | 15.7 | 0.0131 | 0.013083707 |
| 3E2 | 3E2-A | 3E2-A-1 | 5 | 0.0042 | 0.004166679 |
| 3E3 | 3E3-A | 3E3-A-1 | 50.8 | 0.0423 | 0.042345988 |
| 3E3 | 3E3-B | 3E3-B-1 | 46.1 | 0.0384 | 0.038426122 |
| 3E3 | 3E3-C | 3E3-C-1 | 38 | 0.0317 | 0.031671961 |
| 3E3 | 3E3-D | 3E3-D-1 | 21.7 | 0.0181 | 0.018084319 |
| 3E3 | 3E3-E | 3E3-E-1 | 46.9 | 0.0391 | 0.039093290 |
| 3E3 | 3E3-F | 3E3-F-1 | 102 | 0.0850 | 0.085102688 |
| 3E3 | 3E3-G | 3E3-G-1 | 118 | 0.0983 | 0.098492498 |
| 3E1 | 3E1-A | 3E1-A-2 | 5 | 0.0042 | 0.004166679 |
| 3E1 | 3E1-B | 3E1-B-2 | 5 | 0.0042 | 0.004166679 |
| 3E2 | 3E2-A | 3E2-A-2 | 17.4 | 0.0145 | 0.014500508 |
| 3E3 | 3E3-A | 3E3-A-2 | 312 | 0.2600 | 0.263022203 |
| 3E3 | 3E3-B | 3E3-B-2 | 51.7 | 0.0431 | 0.043096673 |
| 3E3 | 3E3-C | 3E3-C-2 | 225 | 0.1875 | 0.188616386 |

## TABLE C-12
## LEAD ANALYSES - 3E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E3 | 3E3-D | 3E3-D-2 | 23.3 | 0.0194 | 0.019417887 |
| 3E3 | 3E3-E | 3E3-E-2 | 41.3 | 0.0344 | 0.034423465 |
| 3E3 | 3E3-F | 3E3-F-2 | 57.7 | 0.0481 | 0.048101881 |
| 3E3 | 3E3-G | 3E3-G-2 | 300 | 0.2500 | 0.252680255 |

| **Total Lead** | Max TTLC: | 1200.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 30 | | 30 | | | |
| Sample Mean : | 136 | | 0.133 | | | |
| Delta = RT - mean | 214 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 238 | | 0.293 | | | |
| Standard Deviation of Mean: | 43 | | 0.053 | | | |
| Sample Variance: | 56455 | | 0.086 | | | |
| t-value for 90%: | 1.311 | Need to Transform Data | 1.311 | | | |
| Upper Confidence Limit* for 90%: | | | 0.203 | | | |
| Reverse Transformation for 90% | | | 242 | mg/kg | 12 | mg/l |
| t-value for 95%: | | | 1.699 | | | |
| Upper Confidence Limit* for 95%: | | | 0.224 | | | |
| Reverse Transformation for 95% | | | 267 | mg/kg | 13 | mg/l |

# TABLE C-13
## LEAD ANALYSES - 4E SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-A | 4E1-A-SF | 39.6 | 0.0251 | 0.025065916 |
| 4E1 | 4E1-B | 4E1-B-SF | 98.3 | 0.0622 | 0.062255396 |
| 4E1 | 4E1-C | 4E1-C-SF | 46.0 | 0.0291 | 0.029118039 |
| 4E1 | 4E1-D | 4E1-D-SF | 189 | 0.1196 | 0.119907380 |
| 4E2 | 4E2-A | 4E2-A-SF | 579 | 0.3665 | 0.375196854 |
| 4E2 | 4E2-B | 4E2-B-SF | 162 | 0.1025 | 0.102712149 |
| 4E2 | 4E2-C | 4E2-C-SF | 62 | 0.0392 | 0.039250584 |
| 4E2 | 4E2-D | 4E2-D-SF | 234 | 0.1481 | 0.148648089 |
| 4E2 | 4E2-E | 4E2-E-SF | 569 | 0.3601 | 0.368403576 |
| 4E2 | 4E2-F | 4E2-F-SF | 1580 | 1.0000 | 1.570796327 |

| **Total Lead** | Max TTLC: | 1580.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 405 | | 0.284 | | | |
| Delta = RT - mean | -55 | | | | | |
| Appropriate Number of Samples: | 188 | | | | | |
| Standard Deviation of Sample: | 547 | | 0.470 | | | |
| Standard Deviation of Mean: | 173 | | 0.149 | | | |
| Sample Variance: | 298939 | | 0.221 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.490 | | | |
| Reverse Transformation for 90% | | | 743 | mg/kg | 37 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.557 | | | |
| Reverse Transformation for 95% | | | 835 | mg/kg | 42 | mg/l |

# TABLE C-14
## LEAD ANALYSES - 4E SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-A | 4E1-A-1 | 114 | 0.7755 | 0.887522830 |
| 4E1 | 4E1-B | 4E1-B-1 | 147 | 1.0000 | 1.570796327 |
| 4E1 | 4E1-C | 4E1-C-1 | 29.0 | 0.1973 | 0.198581505 |
| 4E1 | 4E1-D | 4E1-D-1 | 31.4 | 0.2136 | 0.215264102 |
| 4E2 | 4E2-A | 4E2-A-1 | 5 | 0.0340 | 0.034020167 |
| 4E2 | 4E2-B | 4E2-B-1 | 5 | 0.0340 | 0.034020167 |
| 4E2 | 4E2-C | 4E2-C-1 | 22.8 | 0.1551 | 0.155730743 |
| 4E2 | 4E2-D | 4E2-D-1 | 50.2 | 0.3415 | 0.348508762 |
| 4E2 | 4E2-E | 4E2-E-1 | 43.9 | 0.2986 | 0.303266735 |
| 4E2 | 4E2-F | 4E2-F-1 | 37 | 0.2517 | 0.254437110 |

| **Total Lead** | Max TTLC: | 147.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 51 | | 0.400 | | | |
| Delta = RT - mean | 299 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 49 | | 0.477 | | | |
| Standard Deviation of Mean: | 15 | | 0.151 | | | |
| Sample Variance: | 2355 | | 0.227 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.609 | | | |
| Reverse Transformation for 90% | | | 84 | mg/kg | 4.2 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.676 | | | |
| Reverse Transformation for 95% | | | 92 | mg/kg | 4.6 | mg/l |

# TABLE C-15
## LEAD ANALYSES - 4E SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-A | 4E1-A-2 | 97.4 | 1.0000 | 1.570796327 |
| 4E1 | 4E1-B | 4E1-B-2 | 63.3 | 0.6499 | 0.707449342 |
| 4E1 | 4E1-C | 4E1-C-2 | 89.4 | 0.9179 | 1.162665969 |
| 4E1 | 4E1-D | 4E1-D-2 | 56.2 | 0.5770 | 0.615053297 |
| 4E2 | 4E2-A | 4E2-A-2 | 5 | 0.0513 | 0.051357276 |
| 4E2 | 4E2-B | 4E2-B-2 | 5 | 0.0513 | 0.051357276 |
| 4E2 | 4E2-C | 4E2-C-2 | 16.8 | 0.1725 | 0.173351520 |
| 4E2 | 4E2-D | 4E2-D-2 | 23.3 | 0.2392 | 0.241562151 |
| 4E2 | 4E2-E | 4E2-E-2 | 58.7 | 0.6027 | 0.646842056 |
| 4E2 | 4E2-F | 4E2-F-2 | 5 | 0.0513 | 0.051357276 |

| **Total Lead** | Max TTLC: | 97.4 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 42 | | 0.527 | | | |
| Delta = RT - mean | 308 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 35 | | 0.520 | | | |
| Standard Deviation of Mean: | 11 | | 0.164 | | | |
| Sample Variance: | 1260 | | 0.270 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.755 | | | |
| Reverse Transformation for 90% | | | 67 | mg/kg | 3.4 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.829 | | | |
| Reverse Transformation for 95% | | | 72 | mg/kg | 3.6 | mg/l |

## TABLE C-16
## LEAD ANALYSES - 4E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-A | 4E1-A-SF | 39.6 | 0.0251 | 0.025065916 |
| 4E1 | 4E1-B | 4E1-B-SF | 98.3 | 0.0622 | 0.062255396 |
| 4E1 | 4E1-C | 4E1-C-SF | 46.0 | 0.0291 | 0.029118039 |
| 4E1 | 4E1-D | 4E1-D-SF | 189 | 0.1196 | 0.119907380 |
| 4E2 | 4E2-A | 4E2-A-SF | 579 | 0.3665 | 0.375196854 |
| 4E2 | 4E2-B | 4E2-B-SF | 162 | 0.1025 | 0.102712149 |
| 4E2 | 4E2-C | 4E2-C-SF | 62 | 0.0392 | 0.039250584 |
| 4E2 | 4E2-D | 4E2-D-SF | 234 | 0.1481 | 0.148648089 |
| 4E2 | 4E2-E | 4E2-E-SF | 569 | 0.3601 | 0.368403576 |
| 4E2 | 4E2-F | 4E2-F-SF | 1580 | 1.0000 | 1.570796327 |
| 4E1 | 4E1-A | 4E1-A-1 | 114 | 0.0722 | 0.072214648 |
| 4E1 | 4E1-B | 4E1-B-1 | 147 | 0.0930 | 0.093172724 |
| 4E1 | 4E1-C | 4E1-C-1 | 29.0 | 0.0184 | 0.018355461 |
| 4E1 | 4E1-D | 4E1-D-1 | 31.4 | 0.0199 | 0.019874726 |
| 4E2 | 4E2-A | 4E2-A-1 | 5 | 0.0032 | 0.003164562 |
| 4E2 | 4E2-B | 4E2-B-1 | 5 | 0.0032 | 0.003164562 |
| 4E2 | 4E2-C | 4E2-C-1 | 22.8 | 0.0144 | 0.014430881 |
| 4E2 | 4E2-D | 4E2-D-1 | 50.2 | 0.0318 | 0.031777500 |
| 4E2 | 4E2-E | 4E2-E-1 | 43.9 | 0.0278 | 0.027788386 |
| 4E2 | 4E2-F | 4E2-F-1 | 37 | 0.0234 | 0.023419862 |
| 4E1 | 4E1-A | 4E1-A-2 | 97.4 | 0.0616 | 0.061684681 |
| 4E1 | 4E1-B | 4E1-B-2 | 63.3 | 0.0401 | 0.040074016 |
| 4E1 | 4E1-C | 4E1-C-2 | 89.4 | 0.0566 | 0.056612514 |
| 4E1 | 4E1-D | 4E1-D-2 | 56.2 | 0.0356 | 0.035577125 |
| 4E2 | 4E2-A | 4E2-A-2 | 5 | 0.0032 | 0.003164562 |
| 4E2 | 4E2-B | 4E2-B-2 | 5 | 0.0032 | 0.003164562 |

## TABLE C-16
## LEAD ANALYSES - 4E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E2 | 4E2-C | 4E2-C-2 | 16.8 | 0.0106 | 0.010633112 |
| 4E2 | 4E2-D | 4E2-D-2 | 23.3 | 0.0147 | 0.014747370 |
| 4E2 | 4E2-E | 4E2-E-2 | 58.7 | 0.0372 | 0.037160451 |
| 4E2 | 4E2-F | 4E2-F-2 | 5 | 0.0032 | 0.003164562 |

| **Total Lead** | Max TTLC: | 1580.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 30 | | 30 | | | |
| Sample Mean : | 143 | | 0.114 | | | |
| Delta = RT - mean | 207 | | | | | |
| Appropriate Number of Samples: | 4 | | | | | |
| Standard Deviation of Sample: | 315 | | 0.290 | | | |
| Standard Deviation of Mean: | 58 | | 0.053 | | | |
| Sample Variance: | 99332 | | 0.084 | | | |
| t-value for 90%: | 1.311 | Need to Transform Data | 1.311 | | | |
| Upper Confidence Limit* for 90%: | | | 0.183 | | | |
| Reverse Transformation for 90% | | | 288 | mg/kg | 14 | mg/l |
| t-value for 95%: | | | 1.699 | | | |
| Upper Confidence Limit* for 95%: | | | 0.204 | | | |
| Reverse Transformation for 95% | | | 320 | mg/kg | 16 | mg/l |

## TABLE C-17
## LEAD ANALYSES - 5E SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E1 | 5E1-A | 5E1-A-SF | 90.4 | 0.0225 | 0.022489458 |
| 5E2 | 5E2-A | 5E2-A-SF | 363 | 0.0903 | 0.090421673 |
| 5E2 | 5E2-B | 5E2-B-SF | 70.7 | 0.0176 | 0.017587971 |
| 5E2 | 5E2-C | 5E2-C-SF | 4020 | 1.0000 | 1.570796312 |
| 5E3 | 5E3-A | 5E3-A-SF | 15.9 | 0.0040 | 0.003955234 |
| 5E4 | 5E4-A | 5E4-A-SF | 15.5 | 0.0039 | 0.003855731 |
| 5E4 | 5E4-B | 5E4-B-SF | 225 | 0.0560 | 0.055999413 |
| 5E5 | 5E5-A | 5E5-A-SF | 543 | 0.1351 | 0.135488779 |
| 5E5 | 5E5-B | 5E5-B-SF | 17.6 | 0.0044 | 0.004378123 |
| 5E5 | 5E5-C | 5E5-C-SF | 5 | 0.0012 | 0.001243781 |

| **Total Lead** | Max TTLC: | 4020.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 537 | | 0.191 | | | |
| Delta = RT - mean | -187 | | | | | |
| Appropriate Number of Samples: | 84 | | | | | |
| Standard Deviation of Sample: | 1237 | | 0.487 | | | |
| Standard Deviation of Mean: | 391 | | 0.154 | | | |
| Sample Variance: | 1530238 | | 0.237 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.404 | | | |
| Reverse Transformation for 90% | | | 1579 | mg/kg | 71 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.473 | | | |
| Reverse Transformation for 95% | | | 1831 | mg/kg | 82 | mg/l |

# TABLE C-18
## LEAD ANALYSES - 5E SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E1 | 5E1-A | 5E1-A-1 | 2600 | 1.0000 | 1.570796327 |
| 5E2 | 5E2-A | 5E2-A-1 | 149 | 0.0573 | 0.057339107 |
| 5E2 | 5E2-B | 5E2-B-1 | 5 | 0.0019 | 0.001923078 |
| 5E2 | 5E2-C | 5E2-C-1 | 100 | 0.0385 | 0.038471027 |
| 5E3 | 5E3-A | 5E3-A-1 | 12.6 | 0.0048 | 0.004846173 |
| 5E4 | 5E4-A | 5E4-A-1 | 35.2 | 0.0135 | 0.013538875 |
| 5E4 | 5E4-B | 5E4-B-1 | 21.9 | 0.0084 | 0.008423177 |
| 5E5 | 5E5-A | 5E5-A-1 | 9.93 | 0.0038 | 0.003819240 |
| 5E5 | 5E5-B | 5E5-B-1 | 5 | 0.0019 | 0.001923078 |
| 5E5 | 5E5-C | 5E5-C-1 | 75 | 0.0288 | 0.028850156 |

| **Total Lead** | Max TTLC: | 2600.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 301 | | 0.173 | | | |
| Delta = RT - mean | 49 | | | | | |
| Appropriate Number of Samples: | 529 | | | | | |
| Standard Deviation of Sample: | 809 | | 0.491 | | | |
| Standard Deviation of Mean: | 256 | | 0.155 | | | |
| Sample Variance: | 654628 | | 0.242 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.388 | | | |
| Reverse Transformation for 90% | | | 984 | mg/kg | 44 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.458 | | | |
| Reverse Transformation for 95% | | | 1149 | mg/kg | 52 | mg/l |

# TABLE C-19
## LEAD ANALYSES - 5E SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E1 | 5E1-A | 5E1-A-2 | 54.5 | 0.6110 | 0.657306198 |
| 5E2 | 5E2-A | 5E2-A-2 | 12.6 | 0.1413 | 0.141729623 |
| 5E2 | 5E2-B | 5E2-B-2 | 5 | 0.0561 | 0.056083207 |
| 5E2 | 5E2-C | 5E2-C-2 | 83.2 | 0.9327 | 1.201926466 |
| 5E3 | 5E3-A | 5E3-A-2 | 5 | 0.0561 | 0.056083207 |
| 5E4 | 5E4-B | 5E4-B-2 | 24.3 | 0.2724 | 0.275908850 |
| 5E5 | 5E5-A | 5E5-A-2 | 89.2 | 1.0000 | 1.570796327 |
| 5E5 | 5E5-B | 5E5-B-2 | 5 | 0.0561 | 0.056083207 |
| 5E5 | 5E5-C | 5E5-C-2 | 5 | 0.0561 | 0.056083207 |

| **Total Lead** | Max TTLC: | 89.2 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 9 | | 9 | | | |
| Sample Mean : | 32 | | 0.452 | | | |
| Delta = RT - mean | 318 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 35 | | 0.571 | | | |
| Standard Deviation of Mean: | 12 | | 0.190 | | | |
| Sample Variance: | 1219 | | 0.326 | | | |
| t-value for 90%: | 1.397 | Need to Transform Data | 1.397 | | | |
| Upper Confidence Limit* for 90%: | | | 0.718 | | | |
| Reverse Transformation for 90% | | | 59 | mg/kg | 2.7 | mg/l |
| t-value for 95%: | | | 1.860 | | | |
| Upper Confidence Limit* for 95%: | | | 0.807 | | | |
| Reverse Transformation for 95% | | | 64 | mg/kg | 2.9 | mg/l |

## TABLE C-20
## LEAD ANALYSES - 5E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E1 | 5E1-A | 5E1-A-SF | 90.4 | 0.0225 | 0.022489458 |
| 5E2 | 5E2-A | 5E2-A-SF | 363 | 0.0903 | 0.090421673 |
| 5E2 | 5E2-B | 5E2-B-SF | 70.7 | 0.0176 | 0.017587971 |
| 5E2 | 5E2-C | 5E2-C-SF | 4020 | 1.0000 | 1.570796312 |
| 5E3 | 5E3-A | 5E3-A-SF | 15.9 | 0.0040 | 0.003955234 |
| 5E4 | 5E4-A | 5E4-A-SF | 15.5 | 0.0039 | 0.003855731 |
| 5E4 | 5E4-B | 5E4-B-SF | 225 | 0.0560 | 0.055999413 |
| 5E5 | 5E5-A | 5E5-A-SF | 543 | 0.1351 | 0.135488779 |
| 5E5 | 5E5-B | 5E5-B-SF | 17.6 | 0.0044 | 0.004378123 |
| 5E5 | 5E5-C | 5E5-C-SF | 5 | 0.0012 | 0.001243781 |
| 5E1 | 5E1-A | 5E1-A-1 | 2600 | 0.6468 | 0.703336731 |
| 5E2 | 5E2-A | 5E2-A-1 | 149 | 0.0371 | 0.037073168 |
| 5E2 | 5E2-B | 5E2-B-1 | 5 | 0.0012 | 0.001243781 |
| 5E2 | 5E2-C | 5E2-C-1 | 100 | 0.0249 | 0.024878188 |
| 5E3 | 5E3-A | 5E3-A-1 | 12.6 | 0.0031 | 0.003134333 |
| 5E4 | 5E4-A | 5E4-A-1 | 35.2 | 0.0088 | 0.008756331 |
| 5E4 | 5E4-B | 5E4-B-1 | 21.9 | 0.0054 | 0.005447788 |
| 5E5 | 5E5-A | 5E5-A-1 | 9.93 | 0.0025 | 0.002470152 |
| 5E5 | 5E5-B | 5E5-B-1 | 5 | 0.0012 | 0.001243781 |
| 5E5 | 5E5-C | 5E5-C-1 | 75 | 0.0187 | 0.018657799 |
| 5E1 | 5E1-A | 5E1-A-2 | 54.5 | 0.0136 | 0.013557629 |
| 5E2 | 5E2-A | 5E2-A-2 | 12.6 | 0.0031 | 0.003134333 |
| 5E2 | 5E2-B | 5E2-B-2 | 5 | 0.0012 | 0.001243781 |
| 5E2 | 5E2-C | 5E2-C-2 | 83.2 | 0.0207 | 0.020697995 |
| 5E3 | 5E3-A | 5E3-A-2 | 5 | 0.0012 | 0.001243781 |

## TABLE C-20
## LEAD ANALYSES - 5E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E4 | 5E4-B | 5E4-B-2 | 24.3 | 0.0060 | 0.006044813 |
| 5E5 | 5E5-A | 5E5-A-2 | 89.2 | 0.0222 | 0.022190876 |
| 5E5 | 5E5-B | 5E5-B-2 | 5 | 0.0012 | 0.001243781 |
| 5E5 | 5E5-C | 5E5-C-2 | 5 | 0.0012 | 0.001243781 |

| **Total Lead** | Max TTLC: | 4020.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 29 | | 29 | | | |
| Sample Mean : | 299 | | 0.096 | | | |
| Delta = RT - mean | 51 | | | | | |
| Appropriate Number of Samples: | 489 | | | | | |
| Standard Deviation of Sample: | 864 | | 0.312 | | | |
| Standard Deviation of Mean: | 160 | | 0.058 | | | |
| Sample Variance: | 745787 | | 0.097 | | | |
| t-value for 90%: | 1.313 | Need to Transform Data | 1.313 | | | |
| Upper Confidence Limit* for 90%: | | | 0.172 | | | |
| Reverse Transformation for 90% | | | 688 | mg/kg | 31 | mg/l |
| t-value for 95%: | | | 1.701 | | | |
| Upper Confidence Limit* for 95%: | | | 0.195 | | | |
| Reverse Transformation for 95% | | | 777 | mg/kg | 35 | mg/l |

## TABLE C-21
## LEAD ANALYSES - 6E SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-A | 6E1-A-SF | 78.6 | 0.0382 | 0.038164604 |
| 6E1 | 6E1-B | 6E1-B-SF | 2060 | 1.0000 | 1.570796327 |
| 6E1 | 6E1-C | 6E1-C-SF | 884 | 0.4291 | 0.443525168 |
| 6E1 | 6E1-D | 6E1-D-SF | 410 | 0.1990 | 0.200367127 |
| 6E1 | 6E1-E | 6E1-E-SF | 60.5 | 0.0294 | 0.029373156 |
| 6E1 | 6E1-F | 6E1-F-SF | 78.3 | 0.0380 | 0.038018867 |
| 6E1 | 6E1-G | 6E1-G-SF | 44.5 | 0.0216 | 0.021603622 |
| 6E1 | 6E1-H | 6E1-H-SF | 27.4 | 0.0133 | 0.013301363 |
| 6E1 | 6E1-I | 6E1-I-SF | 39.8 | 0.0193 | 0.019321591 |
| 6E1 | 6E1-J | 6E1-J-SF | 33.6 | 0.0163 | 0.016311403 |

| **Total Lead** | Max TTLC: | 2060.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 372 | | 0.239 | | | |
| Delta = RT - mean | -22 | | | | | |
| Appropriate Number of Samples: | 1735 | | | | | |
| Standard Deviation of Sample: | 653 | | 0.487 | | | |
| Standard Deviation of Mean: | 206 | | 0.154 | | | |
| Sample Variance: | 425909 | | 0.238 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.452 | | | |
| Reverse Transformation for 90% | | | 900 | mg/kg | 48 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.522 | | | |
| Reverse Transformation for 95% | | | 1026 | mg/kg | 55 | mg/l |

# TABLE C-22
## LEAD ANALYSES - 6E SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-A | 6E1-A-1 | 37.9 | 0.0196 | 0.019638568 |
| 6E1 | 6E1-B | 6E1-B-1 | 1930 | 1.0000 | 1.570796327 |
| 6E1 | 6E1-C | 6E1-C-1 | 75.4 | 0.0391 | 0.039077302 |
| 6E1 | 6E1-D | 6E1-D-1 | 335 | 0.1736 | 0.174458751 |
| 6E1 | 6E1-E | 6E1-E-1 | 97.7 | 0.0506 | 0.050643407 |
| 6E1 | 6E1-F | 6E1-F-1 | 73.4 | 0.0380 | 0.038040262 |
| 6E1 | 6E1-G | 6E1-G-1 | 73.4 | 0.0380 | 0.038040262 |
| 6E1 | 6E1-H | 6E1-H-1 | 69.2 | 0.0359 | 0.035862609 |
| 6E1 | 6E1-I | 6E1-I-1 | 30.6 | 0.0159 | 0.015855587 |
| 6E1 | 6E1-J | 6E1-J-1 | 62 | 0.0321 | 0.032129880 |

| **Total Lead** | Max TTLC: | 1930.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 278 | | 0.201 | | | |
| Delta = RT - mean | 72 | | | | | |
| Appropriate Number of Samples: | 129 | | | | | |
| Standard Deviation of Sample: | 587 | | 0.483 | | | |
| Standard Deviation of Mean: | 186 | | 0.153 | | | |
| Sample Variance: | 344304 | | 0.234 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.413 | | | |
| Reverse Transformation for 90% | | | 774 | mg/kg | 41 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.482 | | | |
| Reverse Transformation for 95% | | | 894 | mg/kg | 48 | mg/l |

# TABLE C-23
## LEAD ANALYSES - 6E SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-A | 6E1-A-2 | 28.4 | 0.0196 | 0.019587459 |
| 6E1 | 6E1-B | 6E1-B-2 | 1450 | 1.0000 | 1.570796312 |
| 6E1 | 6E1-C | 6E1-C-2 | 5 | 0.0034 | 0.003448283 |
| 6E1 | 6E1-D | 6E1-D-2 | 29.9 | 0.0206 | 0.020622151 |
| 6E1 | 6E1-E | 6E1-E-2 | 95.3 | 0.0657 | 0.065771548 |
| 6E1 | 6E1-F | 6E1-F-2 | 81.1 | 0.0559 | 0.055960237 |
| 6E1 | 6E1-G | 6E1-G-2 | 45.5 | 0.0314 | 0.031384462 |
| 6E1 | 6E1-H | 6E1-H-2 | 108 | 0.0745 | 0.074551799 |
| 6E1 | 6E1-I | 6E1-I-2 | 20.3 | 0.0140 | 0.014000457 |
| 6E1 | 6E1-J | 6E1-J-2 | 107 | 0.0738 | 0.073860241 |

| **Total Lead** | Max TTLC: | 1450.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 197 | | 0.193 | | | |
| Delta = RT - mean | 153 | | | | | |
| Appropriate Number of Samples: | 16 | | | | | |
| Standard Deviation of Sample: | 442 | | 0.485 | | | |
| Standard Deviation of Mean: | 140 | | 0.153 | | | |
| Sample Variance: | 195244 | | 0.235 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.405 | | | |
| Reverse Transformation for 90% | | | 571 | mg/kg | 30 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.474 | | | |
| Reverse Transformation for 95% | | | 662 | mg/kg | 35 | mg/l |

## TABLE C-24
## LEAD ANALYSES - 6E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-A | 6E1-A-SF | 78.6 | 0.0382 | 0.038164604 |
| 6E1 | 6E1-B | 6E1-B-SF | 2060 | 1.0000 | 1.570796327 |
| 6E1 | 6E1-C | 6E1-C-SF | 884 | 0.4291 | 0.443525168 |
| 6E1 | 6E1-D | 6E1-D-SF | 410 | 0.1990 | 0.200367127 |
| 6E1 | 6E1-E | 6E1-E-SF | 60.5 | 0.0294 | 0.029373156 |
| 6E1 | 6E1-F | 6E1-F-SF | 78.3 | 0.0380 | 0.038018867 |
| 6E1 | 6E1-G | 6E1-G-SF | 44.5 | 0.0216 | 0.021603622 |
| 6E1 | 6E1-H | 6E1-H-SF | 27.4 | 0.0133 | 0.013301363 |
| 6E1 | 6E1-I | 6E1-I-SF | 39.8 | 0.0193 | 0.019321591 |
| 6E1 | 6E1-J | 6E1-J-SF | 33.6 | 0.0163 | 0.016311403 |
| 6E1 | 6E1-A | 6E1-A-1 | 37.9 | 0.0184 | 0.018399096 |
| 6E1 | 6E1-B | 6E1-B-1 | 1930 | 0.9369 | 1.213635460 |
| 6E1 | 6E1-C | 6E1-C-1 | 75.4 | 0.0366 | 0.036610119 |
| 6E1 | 6E1-D | 6E1-D-1 | 335 | 0.1626 | 0.163346799 |
| 6E1 | 6E1-E | 6E1-E-1 | 97.7 | 0.0474 | 0.047444982 |
| 6E1 | 6E1-F | 6E1-F-1 | 73.4 | 0.0356 | 0.035638612 |
| 6E1 | 6E1-G | 6E1-G-1 | 73.4 | 0.0356 | 0.035638612 |
| 6E1 | 6E1-H | 6E1-H-1 | 69.2 | 0.0336 | 0.033598554 |
| 6E1 | 6E1-I | 6E1-I-1 | 30.6 | 0.0149 | 0.014854915 |
| 6E1 | 6E1-J | 6E1-J-1 | 62 | 0.0301 | 0.030101633 |
| 6E1 | 6E1-A | 6E1-A-2 | 28.4 | 0.0138 | 0.013786845 |
| 6E1 | 6E1-B | 6E1-B-2 | 1450 | 0.7039 | 0.780850075 |
| 6E1 | 6E1-C | 6E1-C-2 | 5 | 0.0024 | 0.002427187 |
| 6E1 | 6E1-D | 6E1-D-2 | 29.9 | 0.0145 | 0.014515073 |
| 6E1 | 6E1-E | 6E1-E-2 | 95.3 | 0.0463 | 0.046278653 |
| 6E1 | 6E1-F | 6E1-F-2 | 81.1 | 0.0394 | 0.039379109 |

## TABLE C-24
## LEAD ANALYSES - 6E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-G | 6E1-G-2 | 45.5 | 0.0221 | 0.022089175 |
| 6E1 | 6E1-H | 6E1-H-2 | 108 | 0.0524 | 0.052451231 |
| 6E1 | 6E1-I | 6E1-I-2 | 20.3 | 0.0099 | 0.009854528 |
| 6E1 | 6E1-J | 6E1-J-2 | 107 | 0.0519 | 0.051965132 |

| **Total Lead** | Max TTLC: | 2060.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 30 | | 30 | | | |
| Sample Mean : | 282 | | 0.168 | | | |
| Delta = RT - mean | 68 | | | | | |
| Appropriate Number of Samples: | 115 | | | | | |
| Standard Deviation of Sample: | 552 | | 0.371 | | | |
| Standard Deviation of Mean: | 101 | | 0.068 | | | |
| Sample Variance: | 304890 | | 0.137 | | | |
| t-value for 90%: | 1.311 | Need to Transform Data | 1.311 | | | |
| Upper Confidence Limit* for 90%: | | | 0.257 | | | |
| Reverse Transformation for 90% | | | 524 | mg/kg | 28 | mg/l |
| t-value for 95%: | | | 1.699 | | | |
| Upper Confidence Limit* for 95%: | | | 0.283 | | | |
| Reverse Transformation for 95% | | | 576 | mg/kg | 31 | mg/l |

# TABLE C-25
## LEAD ANALYSES - 7E SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-A | 7E1-A-SF | 80.8 | 0.1919 | 0.193122208 |
| 7E2 | 7E2-A | 7E2-A-SF | 421 | 1.0000 | 1.570796327 |
| 7E3 | 7E3-A | 7E3-A-SF | 306 | 0.7268 | 0.81371092 |
| 7E3 | 7E3-B | 7E3-B-SF | 30.8 | 0.0732 | 0.073224564 |
| 7E3 | 7E3-C | 7E3-C-SF | 34.6 | 0.0822 | 0.082278074 |
| 7E3 | 7E3-D | 7E3-D-SF | 33.8 | 0.0803 | 0.080371535 |
| 7E3 | 7E3-E | 7E3-E-SF | 72.1 | 0.1713 | 0.172107313 |
| 7E3 | 7E3-F | 7E3-F-SF | 34.2 | 0.0812 | 0.081324768 |
| 7E3 | 7E3-G | 7E3-G-SF | 30.3 | 0.0720 | 0.072033776 |
| 7E3 | 7E3-H | 7E3-H-SF | 20.7 | 0.0492 | 0.049188479 |

| **Total Lead** | Max TTLC: | 421.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 106 | | 0.319 | | | |
| Delta = RT - mean | 244 | | | | | |
| Appropriate Number of Samples: | 1 | | | | | |
| Standard Deviation of Sample: | 139 | | 0.496 | | | |
| Standard Deviation of Mean: | 44 | | 0.157 | | | |
| Sample Variance: | 19459 | | 0.246 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.536 | | | |
| Reverse Transformation for 90% | | | 215 | mg/kg | 10 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.606 | | | |
| Reverse Transformation for 95% | | | 240 | mg/kg | 11 | mg/l |

# TABLE C-26
## LEAD ANALYSES - 7E SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-A | 7E1-A-1 | 183 | 0.5579 | 0.591885569 |
| 7E2 | 7E2-A | 7E2-A-1 | 5 | 0.0152 | 0.015244493 |
| 7E3 | 7E3-A | 7E3-A-1 | 169 | 0.5152 | 0.541292211 |
| 7E3 | 7E3-B | 7E3-B-1 | 328 | 1.0000 | 1.570796327 |
| 7E3 | 7E3-C | 7E3-C-1 | 88.2 | 0.2689 | 0.272253317 |

| **Total Lead** | Max TTLC: | 328.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 5 | | 5 | | | |
| Sample Mean : | 155 | | 0.598 | | | |
| Delta = RT - mean | 195 | | | | | |
| Appropriate Number of Samples: | 1 | | | | | |
| Standard Deviation of Sample: | 120 | | 0.591 | | | |
| Standard Deviation of Mean: | 54 | | 0.264 | | | |
| Sample Variance: | 14468 | | 0.349 | | | |
| t-value for 90%: | 1.533 | Need to Transform Data | 1.533 | | | |
| Upper Confidence Limit* for 90%: | | | 1.003 | | | |
| Reverse Transformation for 90% | | | 277 | mg/kg | 13 | mg/l |
| t-value for 95%: | | | 2.132 | | | |
| Upper Confidence Limit* for 95%: | | | 1.161 | | | |
| Reverse Transformation for 95% | | | 301 | mg/kg | 14 | mg/l |

# TABLE C-27
## LEAD ANALYSES - 7E SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-A | 7E1-A-2 | 49.4 | 0.4940 | 0.516684319 |
| 7E2 | 7E2-A | 7E2-A-2 | 16.6 | 0.1660 | 0.166771994 |
| 7E3 | 7E3-A | 7E3-A-2 | 11.6 | 0.1160 | 0.116261737 |
| 7E3 | 7E3-B | 7E3-B-2 | 67.2 | 0.6720 | 0.736906181 |
| 7E3 | 7E3-C | 7E3-C-2 | 100 | 1.0000 | 1.570796327 |

| **Total Lead** | Max TTLC: | 100.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 5 | | 5 | | | |
| Sample Mean : | 49 | | 0.621 | | | |
| Delta = RT - mean | 301 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 37 | | 0.589 | | | |
| Standard Deviation of Mean: | 16 | | 0.263 | | | |
| Sample Variance: | 1345 | | 0.347 | | | |
| t-value for 90%: | 1.533 | Need to Transform Data | 1.533 | | | |
| Upper Confidence Limit* for 90%: | | | 1.025 | | | |
| Reverse Transformation for 90% | | | 85 | mg/kg | 5.0 | mg/l |
| t-value for 95%: | | | 2.132 | | | |
| Upper Confidence Limit* for 95%: | | | 1.183 | | | |
| Reverse Transformation for 95% | | | 93 | mg/kg | 4.3 | mg/l |

# TABLE C-28
## LEAD ANALYSES - 7E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-A | 7E1-A-SF | 80.8 | 0.1919 | 0.193122208 |
| 7E2 | 7E2-A | 7E2-A-SF | 421 | 1.0000 | 1.570796327 |
| 7E3 | 7E3-A | 7E3-A-SF | 306 | 0.7268 | 0.813710920 |
| 7E3 | 7E3-B | 7E3-B-SF | 30.8 | 0.0732 | 0.073224564 |
| 7E3 | 7E3-C | 7E3-C-SF | 34.6 | 0.0822 | 0.082278074 |
| 7E3 | 7E3-D | 7E3-D-SF | 33.8 | 0.0803 | 0.080371535 |
| 7E3 | 7E3-E | 7E3-E-SF | 72.1 | 0.1713 | 0.172107313 |
| 7E3 | 7E3-F | 7E3-F-SF | 34.2 | 0.0812 | 0.081324768 |
| 7E3 | 7E3-G | 7E3-G-SF | 30.3 | 0.0720 | 0.072033776 |
| 7E3 | 7E3-H | 7E3-H-SF | 20.7 | 0.0492 | 0.049188479 |
| 7E1 | 7E1-A | 7E1-A-1 | 183 | 0.4347 | 0.449682183 |
| 7E2 | 7E2-A | 7E2-A-1 | 5 | 0.0119 | 0.011876764 |
| 7E3 | 7E3-A | 7E3-A-1 | 169 | 0.4014 | 0.413072372 |
| 7E3 | 7E3-B | 7E3-B-1 | 328 | 0.7791 | 0.893224729 |
| 7E3 | 7E3-C | 7E3-C-1 | 88.2 | 0.2095 | 0.211064799 |
| 7E1 | 7E1-A | 7E1-A-2 | 49.4 | 0.1173 | 0.117610617 |
| 7E2 | 7E2-A | 7E2-A-2 | 16.6 | 0.0394 | 0.039440153 |
| 7E3 | 7E3-A | 7E3-A-2 | 11.6 | 0.0276 | 0.027556932 |
| 7E3 | 7E3-B | 7E3-B-2 | 67.2 | 0.1596 | 0.160305657 |
| 7E3 | 7E3-C | 7E3-C-2 | 100 | 0.2375 | 0.239821966 |

| **Total Lead** | Max TTLC: | 421.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 20 | | 20 | | | |
| Sample Mean : | 104 | | 0.288 | | | |
| Delta = RT - mean | 246 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 118 | | 0.390 | | | |
| Standard Deviation of Mean: | 26 | | 0.087 | | | |
| Sample Variance: | 14022 | | 0.152 | | | |
| t-value for 90%: | 1.328 | Need to Transform Data | 1.328 | | | |
| Upper Confidence Limit* for 90%: | | | 0.403 | | | |
| Reverse Transformation for 90% | | | 165 | mg/kg | 7.7 | mg/l |
| t-value for 95%: | | | 1.729 | | | |
| Upper Confidence Limit* for 95%: | | | 0.438 | | | |
| Reverse Transformation for 95% | | | 179 | mg/kg | 8.4 | mg/l |

## TABLE C-29
## LEAD ANALYSES - 8E SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E1 | 8E1-A | 8E1-A-SF | 4620 | 1.0000 | 1.570796327 |
| 8E2 | 8E2-A | 8E2-A-SF | 713 | 0.1543 | 0.154948285 |
| 8E3 | 8E3-A | 8E3-A-SF | 724 | 0.1567 | 0.157358565 |
| 8E4 | 8E4-A | 8E4-A-SF | 505 | 0.1093 | 0.109526207 |
| 8E4 | 8E4-B | 8E4-B-SF | 1010 | 0.2186 | 0.220394624 |
| 8E5 | 8E5-A | 8E5-A-SF | 1240 | 0.2684 | 0.271729905 |
| 8E5 | 8E5-B | 8E5-B-SF | 482 | 0.1043 | 0.104519200 |
| 8E5 | 8E5-C | 8E5-C-SF | 62.6 | 0.0135 | 0.013550198 |
| 8E5 | 8E5-D | 8E5-D-SF | 557 | 0.1206 | 0.120856769 |
| 8E5 | 8E5-E | 8E5-E-SF | 73.1 | 0.0158 | 0.015823171 |
| 8E6 | 8E6-A | 8E6-A-SF | 322 | 0.0697 | 0.069753521 |
| 8E6 | 8E6-B | 8E6-B-SF | 189 | 0.0409 | 0.040920510 |
| 8E7 | 8E7-A | 8E7-A-SF | 183 | 0.0396 | 0.039620755 |
| 8E8 | 8E8-A | 8E8-A-SF | 120 | 0.0260 | 0.025976947 |

| **Total Lead** | Max TTLC: | 4620.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 14 | | 14 | | | |
| Sample Mean : | 771 | | 0.208 | | | |
| Delta = RT - mean | -421 | | | | | |
| Appropriate Number of Samples: | 14 | | | | | |
| Standard Deviation of Sample: | 1163 | | 0.400 | | | |
| Standard Deviation of Mean: | 311 | | 0.107 | | | |
| Sample Variance: | 1353561 | | 0.160 | | | |
| t-value for 90%: | 1.350 | Need to Transform Data | 1.350 | | | |
| Upper Confidence Limit* for 90%: | | | 0.353 | | | |
| Reverse Transformation for 90% | | | 1595 | mg/kg | 87 | mg/l |
| t-value for 95%: | | | 1.771 | | | |
| Upper Confidence Limit* for 95%: | | | 0.398 | | | |
| Reverse Transformation for 95% | | | 1789 | mg/kg | 98 | mg/l |

## TABLE C-30
## LEAD ANALYSES - 8E SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E1 | 8E1-A | 8E1-A-1 | 1500 | 1.0000 | 1.570796327 |
| 8E2 | 8E2-A | 8E2-A-1 | 41.3 | 0.0275 | 0.027536813 |
| 8E3 | 8E3-A | 8E3-A-1 | 207 | 0.1380 | 0.138441809 |
| 8E4 | 8E4-A | 8E4-A-1 | 117 | 0.0780 | 0.078079309 |
| 8E4 | 8E4-B | 8E4-B-1 | 272 | 0.1813 | 0.182342093 |
| 8E5 | 8E5-A | 8E5-A-1 | 345 | 0.2300 | 0.232077683 |
| 8E5 | 8E5-B | 8E5-B-1 | 735 | 0.4900 | 0.512089753 |
| 8E5 | 8E5-C | 8E5-C-1 | 13.2 | 0.0088 | 0.008800114 |
| 8E5 | 8E5-D | 8E5-D-1 | 103 | 0.0687 | 0.068720743 |
| 8E5 | 8E5-E | 8E5-E-1 | 26.3 | 0.0175 | 0.017534232 |
| 8E6 | 8E6-A | 8E6-A-1 | 148 | 0.0987 | 0.098827461 |
| 8E6 | 8E6-B | 8E6-B-1 | 131 | 0.0873 | 0.087444733 |
| 8E7 | 8E7-A | 8E7-A-1 | 146 | 0.0973 | 0.097487678 |
| 8E8 | 8E8-A | 8E8-A-1 | 162 | 0.1080 | 0.108211062 |

| **Total Lead** | Max TTLC: | 1500.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 14 | | 14 | | | |
| Sample Mean : | 282 | | 0.231 | | | |
| Delta = RT - mean | 68 | | | | | |
| Appropriate Number of Samples: | 61 | | | | | |
| Standard Deviation of Sample: | 395 | | 0.406 | | | |
| Standard Deviation of Mean: | 106 | | 0.108 | | | |
| Sample Variance: | 155917 | | 0.165 | | | |
| t-value for 90%: | 1.350 | Need to Transform Data | 1.350 | | | |
| Upper Confidence Limit* for 90%: | | | 0.377 | | | |
| Reverse Transformation for 90% | | | 552 | mg/kg | 30 | mg/l |
| t-value for 95%: | | | 1.771 | | | |
| Upper Confidence Limit* for 95%: | | | 0.423 | | | |
| Reverse Transformation for 95% | | | 615 | mg/kg | 34 | mg/l |

## TABLE C-31
## LEAD ANALYSES - 8E SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E1 | 8E1-A | 8E1-A-2 | 2540 | 1.0000 | 1.570796327 |
| 8E3 | 8E3-A | 8E3-A-2 | 122 | 0.0480 | 0.048049984 |
| 8E4 | 8E4-A | 8E4-A-2 | 82.5 | 0.0325 | 0.032486029 |
| 8E4 | 8E4-B | 8E4-B-2 | 54.3 | 0.0214 | 0.021379581 |
| 8E5 | 8E5-B | 8E5-B-2 | 64.7 | 0.0255 | 0.025475196 |
| 8E5 | 8E5-C | 8E5-C-2 | 5 | 0.0020 | 0.001968505 |
| 8E5 | 8E5-D | 8E5-D-2 | 5 | 0.0020 | 0.001968505 |
| 8E5 | 8E5-E | 8E5-E-2 | 101 | 0.0398 | 0.039774266 |
| 8E6 | 8E6-A | 8E6-A-2 | 105 | 0.0413 | 0.041350366 |
| 8E6 | 8E6-B | 8E6-B-2 | 63.8 | 0.0251 | 0.025120752 |

| **Total Lead** | Max TTLC: | 2540.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 314 | | 0.181 | | | |
| Delta = RT - mean | 36 | | | | | |
| Appropriate Number of Samples: | 922 | | | | | |
| Standard Deviation of Sample: | 783 | | 0.489 | | | |
| Standard Deviation of Mean: | 248 | | 0.155 | | | |
| Sample Variance: | 613082 | | 0.239 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.395 | | | |
| Reverse Transformation for 90% | | | 976 | mg/kg | 53 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.464 | | | |
| Reverse Transformation for 95% | | | 1137 | mg/kg | 62 | mg/l |

## TABLE C-32
## LEAD ANALYSES - 8E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E1 | 8E1-A | 8E1-A-SF | 4620 | 1.0000 | 1.570796327 |
| 8E2 | 8E2-A | 8E2-A-SF | 713 | 0.1543 | 0.154948285 |
| 8E3 | 8E3-A | 8E3-A-SF | 724 | 0.1567 | 0.157358565 |
| 8E4 | 8E4-A | 8E4-A-SF | 505 | 0.1093 | 0.109526207 |
| 8E4 | 8E4-B | 8E4-B-SF | 1010 | 0.2186 | 0.220394624 |
| 8E5 | 8E5-A | 8E5-A-SF | 1240 | 0.2684 | 0.271729905 |
| 8E5 | 8E5-B | 8E5-B-SF | 482 | 0.1043 | 0.104519200 |
| 8E5 | 8E5-C | 8E5-C-SF | 62.6 | 0.0135 | 0.013550198 |
| 8E5 | 8E5-D | 8E5-D-SF | 557 | 0.1206 | 0.120856769 |
| 8E5 | 8E5-E | 8E5-E-SF | 73.1 | 0.0158 | 0.015823171 |
| 8E6 | 8E6-A | 8E6-A-SF | 322 | 0.0697 | 0.069753521 |
| 8E6 | 8E6-B | 8E6-B-SF | 189 | 0.0409 | 0.040920510 |
| 8E7 | 8E7-A | 8E7-A-SF | 183 | 0.0396 | 0.039620755 |
| 8E8 | 8E8-A | 8E8-A-SF | 120 | 0.0260 | 0.025976947 |
| 8E1 | 8E1-A | 8E1-A-1 | 1500 | 0.3247 | 0.330668436 |
| 8E2 | 8E2-A | 8E2-A-1 | 41.3 | 0.0089 | 0.008939513 |
| 8E3 | 8E3-A | 8E3-A-1 | 207 | 0.0448 | 0.044820199 |
| 8E4 | 8E4-A | 8E4-A-1 | 117 | 0.0253 | 0.025327383 |
| 8E4 | 8E4-B | 8E4-B-1 | 272 | 0.0589 | 0.058908524 |
| 8E5 | 8E5-A | 8E5-A-1 | 345 | 0.0747 | 0.074744903 |
| 8E5 | 8E5-B | 8E5-B-1 | 735 | 0.1591 | 0.159769766 |
| 8E5 | 8E5-C | 8E5-C-1 | 13.2 | 0.0029 | 0.002857147 |
| 8E5 | 8E5-D | 8E5-D-1 | 103 | 0.0223 | 0.022296220 |
| 8E5 | 8E5-E | 8E5-E-1 | 26.3 | 0.0057 | 0.005692671 |
| 8E6 | 8E6-A | 8E6-A-1 | 148 | 0.0320 | 0.032040114 |
| 8E6 | 8E6-B | 8E6-B-1 | 131 | 0.0284 | 0.028358779 |
| 8E7 | 8E7-A | 8E7-A-1 | 146 | 0.0316 | 0.031606994 |
| 8E8 | 8E8-A | 8E8-A-1 | 162 | 0.0351 | 0.035072125 |
| 8E1 | 8E1-A | 8E1-A-2 | 2540 | 0.5498 | 0.582105089 |
| 8E3 | 8E3-A | 8E3-A-2 | 122 | 0.0264 | 0.026409996 |
| 8E4 | 8E4-A | 8E4-A-2 | 82.5 | 0.0179 | 0.017858092 |
| 8E4 | 8E4-B | 8E4-B-2 | 54.3 | 0.0118 | 0.011753517 |

## TABLE C-32
## LEAD ANALYSES - 8E SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E5 | 8E5-B | 8E5-B-2 | 64.7 | 0.0140 | 0.014004787 |
| 8E5 | 8E5-C | 8E5-C-2 | 5 | 0.0011 | 0.001082251 |
| 8E5 | 8E5-D | 8E5-D-2 | 5 | 0.0011 | 0.001082251 |
| 8E5 | 8E5-E | 8E5-E-2 | 101 | 0.0219 | 0.021863214 |
| 8E6 | 8E6-A | 8E6-A-2 | 105 | 0.0227 | 0.022729230 |
| 8E6 | 8E6-B | 8E6-B-2 | 63.8 | 0.0138 | 0.013809963 |

| **Total Lead** | Max TTLC: | 4620.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 38 | | 38 | | | |
| Sample Mean : | 471 | | 0.118 | | | |
| Delta = RT - mean | -121 | | | | | |
| Appropriate Number of Samples: | 86 | | | | | |
| Standard Deviation of Sample: | 857 | | 0.267 | | | |
| Standard Deviation of Mean: | 139 | | 0.043 | | | |
| Sample Variance: | 733810 | | 0.072 | | | |
| t-value for 90%: | 1.305 | Need to Transform Data | 1.305 | | | |
| Upper Confidence Limit* for 90%: | | | 0.175 | | | |
| Reverse Transformation for 90% | | | 803 | mg/kg | 44 | mg/l |
| t-value for 95%: | | | 1.688 | | | |
| Upper Confidence Limit* for 95%: | | | 0.191 | | | |
| Reverse Transformation for 95% | | | 879 | mg/kg | 48 | mg/l |

# TABLE C-33
## LEAD ANALYSES - 1W SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-A | 1W1-A-SF | 80.8 | 0.0203 | 0.020302902 |
| 1W1 | 1W1-B | 1W1-B-SF | 534 | 0.1342 | 0.134576704 |
| 1W1 | 1W1-C | 1W1-C-SF | 582 | 0.1462 | 0.146757392 |
| 1W1 | 1W1-D | 1W1-D-SF | 792 | 0.1990 | 0.200332279 |
| 1W1 | 1W1-E | 1W1-E-SF | 1100 | 0.2764 | 0.280027325 |
| 1W1 | 1W1-F | 1W1-F-SF | 2240 | 0.5628 | 0.597786330 |
| 1W1 | 1W1-G | 1W1-G-SF | 604 | 0.1518 | 0.152347435 |
| 1W1 | 1W1-H | 1W1-H-SF | 306 | 0.0769 | 0.076960371 |
| 1W1 | 1W1-I | 1W1-I-SF | 3980 | 1.0000 | 1.570796327 |
| 1W1 | 1W1-J | 1W1-J-SF | 3570 | 0.8970 | 1.112901106 |
| 1W1 | 1W1-K | 1W1-K-SF | 2340 | 0.5879 | 0.628509450 |

| **Total Lead** | Max TTLC: | 3980.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 11 | | 11 | | | |
| Sample Mean : | 1466 | | 0.447 | | | |
| Delta = RT - mean | -1116 | | | | | |
| Appropriate Number of Samples: | 3 | | | | | |
| Standard Deviation of Sample: | 1355 | | 0.494 | | | |
| Standard Deviation of Mean: | 408 | | 0.149 | | | |
| Sample Variance: | 1835570 | | 0.244 | | | |
| t-value for 90%: | 1.372 | Need to Transform Data | 1.372 | | | |
| Upper Confidence Limit* for 90%: | | | 0.652 | | | |
| Reverse Transformation for 90% | | | 2415 | mg/kg | 129 | mg/l |
| t-value for 95%: | | | 1.812 | | | |
| Upper Confidence Limit* for 95%: | | | 0.718 | | | |
| Reverse Transformation for 95% | | | 2617 | mg/kg | 140 | mg/l |

# TABLE C-34
## LEAD ANALYSES - 1W SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-A | 1W1-A-1 | 601 | 0.2835 | 0.287432054 |
| 1W1 | 1W1-B | 1W1-B-1 | 161 | 0.0759 | 0.076016586 |
| 1W1 | 1W1-C | 1W1-C-1 | 5 | 0.0024 | 0.002358493 |
| 1W1 | 1W1-D | 1W1-D-1 | 5 | 0.0024 | 0.002358493 |
| 1W1 | 1W1-E | 1W1-E-1 | 81.3 | 0.0383 | 0.038358463 |
| 1W1 | 1W1-F | 1W1-F-1 | 5 | 0.0024 | 0.002358493 |
| 1W1 | 1W1-G | 1W1-G-1 | 184 | 0.0868 | 0.086901791 |
| 1W1 | 1W1-H | 1W1-H-1 | 10.1 | 0.0048 | 0.004764169 |
| 1W1 | 1W1-I | 1W1-I-1 | 9.8 | 0.0046 | 0.004622658 |
| 1W1 | 1W1-J | 1W1-J-1 | 5 | 0.0024 | 0.002358493 |
| 1W1 | 1W1-K | 1W1-K-1 | 2120 | 1.0000 | 1.570796327 |

| **Total Lead** | Max TTLC: | 2120.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 11 | | 11 | | | |
| Sample Mean : | 290 | | 0.189 | | | |
| Delta = RT - mean | 60 | | | | | |
| Appropriate Number of Samples: | 207 | | | | | |
| Standard Deviation of Sample: | 632 | | 0.466 | | | |
| Standard Deviation of Mean: | 191 | | 0.141 | | | |
| Sample Variance: | 399881 | | 0.217 | | | |
| t-value for 90%: | 1.372 | Need to Transform Data | 1.372 | | | |
| Upper Confidence Limit* for 90%: | | | 0.382 | | | |
| Reverse Transformation for 90% | | | 790 | mg/kg | 42 | mg/l |
| t-value for 95%: | | | 1.812 | | | |
| Upper Confidence Limit* for 95%: | | | 0.444 | | | |
| Reverse Transformation for 95% | | | 910 | mg/kg | 49 | mg/l |

# TABLE C-35
## LEAD ANALYSES - 1W SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-A | 1W1-A-2 | 91.6 | 0.0426 | 0.042617551 |
| 1W1 | 1W1-B | 1W1-B-2 | 79.2 | 0.0368 | 0.036845546 |
| 1W1 | 1W1-C | 1W1-C-2 | 865 | 0.4023 | 0.414055673 |
| 1W1 | 1W1-D | 1W1-D-2 | 286 | 0.1330 | 0.133418725 |
| 1W1 | 1W1-E | 1W1-E-2 | 64.2 | 0.0299 | 0.029864904 |
| 1W1 | 1W1-F | 1W1-F-2 | 5 | 0.0023 | 0.002325583 |
| 1W1 | 1W1-G | 1W1-G-2 | 16.8 | 0.0078 | 0.007814033 |
| 1W1 | 1W1-H | 1W1-H-2 | 545 | 0.2535 | 0.256284715 |
| 1W1 | 1W1-I | 1W1-I-2 | 2150 | 1.0000 | 1.570796327 |
| 1W1 | 1W1-J | 1W1-J-2 | 20.8 | 0.0097 | 0.009674570 |
| 1W1 | 1W1-K | 1W1-K-2 | 1110 | 0.5163 | 0.542500485 |

| **Total Lead** | Max TTLC: | 2150.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 11 | | 11 | | | |
| Sample Mean : | 476 | | 0.277 | | | |
| Delta = RT - mean | -126 | | | | | |
| Appropriate Number of Samples: | 54 | | | | | |
| Standard Deviation of Sample: | 672 | | 0.467 | | | |
| Standard Deviation of Mean: | 203 | | 0.141 | | | |
| Sample Variance: | 451112 | | 0.218 | | | |
| t-value for 90%: | 1.372 | Need to Transform Data | 1.372 | | | |
| Upper Confidence Limit* for 90%: | | | 0.470 | | | |
| Reverse Transformation for 90% | | | 974 | mg/kg | 52 | mg/l |
| t-value for 95%: | | | 1.812 | | | |
| Upper Confidence Limit* for 95%: | | | 0.532 | | | |
| Reverse Transformation for 95% | | | 1090 | mg/kg | 58 | mg/l |

## TABLE C-36
## LEAD ANALYSES - 1W SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-A | 1W1-A-SF | 80.8 | 0.0203 | 0.020302902 |
| 1W1 | 1W1-B | 1W1-B-SF | 534 | 0.1342 | 0.134576704 |
| 1W1 | 1W1-C | 1W1-C-SF | 582 | 0.1462 | 0.146757392 |
| 1W1 | 1W1-D | 1W1-D-SF | 792 | 0.1990 | 0.200332279 |
| 1W1 | 1W1-E | 1W1-E-SF | 1100 | 0.2764 | 0.280027325 |
| 1W1 | 1W1-F | 1W1-F-SF | 2240 | 0.5628 | 0.597786330 |
| 1W1 | 1W1-G | 1W1-G-SF | 604 | 0.1518 | 0.152347435 |
| 1W1 | 1W1-H | 1W1-H-SF | 306 | 0.0769 | 0.076960371 |
| 1W1 | 1W1-I | 1W1-I-SF | 3980 | 1.0000 | 1.570796327 |
| 1W1 | 1W1-J | 1W1-J-SF | 3570 | 0.8970 | 1.112901106 |
| 1W1 | 1W1-K | 1W1-K-SF | 2340 | 0.5879 | 0.628509450 |
| 1W1 | 1W1-A | 1W1-A-1 | 601 | 0.1510 | 0.151584877 |
| 1W1 | 1W1-B | 1W1-B-1 | 161 | 0.0405 | 0.040463302 |
| 1W1 | 1W1-C | 1W1-C-1 | 5 | 0.0013 | 0.001256282 |
| 1W1 | 1W1-D | 1W1-D-1 | 5 | 0.0013 | 0.001256282 |
| 1W1 | 1W1-E | 1W1-E-1 | 81.3 | 0.0204 | 0.020428557 |
| 1W1 | 1W1-F | 1W1-F-1 | 5 | 0.0013 | 0.001256282 |
| 1W1 | 1W1-G | 1W1-G-1 | 184 | 0.0462 | 0.046247640 |
| 1W1 | 1W1-H | 1W1-H-1 | 10.1 | 0.0025 | 0.002537691 |
| 1W1 | 1W1-I | 1W1-I-1 | 9.8 | 0.0025 | 0.002462314 |
| 1W1 | 1W1-J | 1W1-J-1 | 5 | 0.0013 | 0.001256282 |
| 1W1 | 1W1-K | 1W1-K-1 | 2120 | 0.5327 | 0.561744371 |
| 1W1 | 1W1-A | 1W1-A-2 | 91.6 | 0.0230 | 0.023017108 |
| 1W1 | 1W1-B | 1W1-B-2 | 79.2 | 0.0199 | 0.019900811 |
| 1W1 | 1W1-C | 1W1-C-2 | 865 | 0.2173 | 0.219085100 |
| 1W1 | 1W1-D | 1W1-D-2 | 286 | 0.0719 | 0.071921285 |
| 1W1 | 1W1-E | 1W1-E-2 | 64.2 | 0.0161 | 0.016131353 |

# TABLE C-36
## LEAD ANALYSES - 1W SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-F | 1W1-F-2 | 5 | 0.0013 | 0.001256282 |
| 1W1 | 1W1-G | 1W1-G-2 | 16.8 | 0.0042 | 0.004221118 |
| 1W1 | 1W1-H | 1W1-H-2 | 545 | 0.1369 | 0.137366271 |
| 1W1 | 1W1-I | 1W1-I-2 | 2150 | 0.5402 | 0.570675946 |
| 1W1 | 1W1-J | 1W1-J-2 | 20.8 | 0.0052 | 0.005226154 |
| 1W1 | 1W1-K | 1W1-K-2 | 1110 | 0.2789 | 0.282642711 |

| **Total Lead** | Max TTLC: | 3980.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 33 | | 33 | | | |
| Sample Mean : | 744 | | 0.215 | | | |
| Delta = RT - mean | -394 | | | | | |
| Appropriate Number of Samples: | 12 | | | | | |
| Standard Deviation of Sample: | 1056 | | 0.351 | | | |
| Standard Deviation of Mean: | 184 | | 0.061 | | | |
| Sample Variance: | 1114530 | | 0.123 | | | |
| t-value for 90%: | 1.309 | Need to Transform Data | 1.309 | | | |
| Upper Confidence Limit* for 90%: | | | 0.295 | | | |
| Reverse Transformation for 90% | | | 1158 | mg/kg | 62 | mg/l |
| t-value for 95%: | | | 1.694 | | | |
| Upper Confidence Limit* for 95%: | | | 0.319 | | | |
| Reverse Transformation for 95% | | | 1247 | mg/kg | 67 | mg/l |

# TABLE C-37
## LEAD ANALYSES 2W SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W1 | 2W1-A | 2W1-A-SF | 1090 | 1.0000 | 1.570796327 |
| 2W1 | 2W1-B | 2W1-B-SF | 1010 | 0.9266 | 1.185282943 |
| 2W2 | 2W2-A | 2W2-A-SF | 24.4 | 0.0224 | 0.022387191 |
| 2W3 | 2W3-A | 2W3-A-SF | 51.5 | 0.0472 | 0.047265303 |
| 2W3 | 2W3-B | 2W3-B-SF | 25.5 | 0.0234 | 0.023396630 |
| 2W4 | 2W4-A | 2W4-A-SF | 117 | 0.1073 | 0.107546649 |
| 2W5 | 2W5-A | 2W5-A-SF | 167 | 0.1532 | 0.153816833 |
| 2W5 | 2W5-B | 2W5-B-SF | 520 | 0.4771 | 0.497311263 |
| 2W5 | 2W5-C | 2W5-C-SF | 30.1 | 0.0276 | 0.027618190 |
| 2W5 | 2W5-D | 2W5-D-SF | 471 | 0.4321 | 0.446831281 |

| **Total Lead** | Max TTLC: | 1090.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 351 | | 0.408 | | | |
| Delta = RT - mean | -1 | | | | | |
| Appropriate Number of Samples: | 763199 | | | | | |
| Standard Deviation of Sample: | 411 | | 0.547 | | | |
| Standard Deviation of Mean: | 130 | | 0.173 | | | |
| Sample Variance: | 168585 | | 0.299 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.647 | | | |
| Reverse Transformation for 90% | | | 657 | mg/kg | 30 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.725 | | | |
| Reverse Transformation for 95% | | | 723 | mg/kg | 33 | mg/l |

## TABLE C-38
## LEAD ANALYSES 2W SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W1 | 2W1-A | 2W1-A-1 | 396 | 0.5217 | 0.548888272 |
| 2W1 | 2W1-B | 2W1-B-1 | 759 | 1.0000 | 1.570796327 |
| 2W2 | 2W2-A | 2W2-A-1 | 12.3 | 0.0162 | 0.016206243 |
| 2W3 | 2W3-A | 2W3-A-1 | 17.2 | 0.0227 | 0.022663337 |
| 2W3 | 2W3-B | 2W3-B-1 | 5 | 0.0066 | 0.006587663 |
| 2W4 | 2W4-A | 2W4-A-1 | 11.4 | 0.0150 | 0.015020328 |
| 2W5 | 2W5-A | 2W5-A-1 | 9.89 | 0.0130 | 0.013030672 |
| 2W5 | 2W5-B | 2W5-B-1 | 22.2 | 0.0292 | 0.029253184 |
| 2W5 | 2W5-C | 2W5-C-1 | 12.2 | 0.0161 | 0.016074474 |
| 2W5 | 2W5-D | 2W5-D-1 | 30.9 | 0.0407 | 0.040722717 |

| **Total Lead** | Max TTLC: | 759.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 128 | | 0.228 | | | |
| Delta = RT - mean | 222 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 252 | | 0.500 | | | |
| Standard Deviation of Mean: | 80 | | 0.158 | | | |
| Sample Variance: | 63595 | | 0.250 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.447 | | | |
| Reverse Transformation for 90% | | | 328 | mg/kg | 15 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.518 | | | |
| Reverse Transformation for 95% | | | 376 | mg/kg | 17 | mg/l |

## TABLE C-39
## LEAD ANALYSES - 2W SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W1 | 2W1-A | 2W1-A-2 | 214 | 0.6446 | 0.700471598 |
| 2W1 | 2W1-B | 2W1-B-2 | 332 | 1.0000 | 1.570796327 |
| 2W2 | 2W2-A | 2W2-A-2 | 12.2 | 0.0367 | 0.036755263 |
| 2W3 | 2W3-A | 2W3-A-2 | 17.5 | 0.0527 | 0.052735283 |
| 2W3 | 2W3-B | 2W3-B-2 | 12.5 | 0.0377 | 0.037659503 |
| 2W4 | 2W4-A | 2W4-A-2 | 12.3 | 0.0370 | 0.037056673 |
| 2W5 | 2W5-A | 2W5-A-2 | 48.7 | 0.1467 | 0.147217950 |
| 2W5 | 2W5-B | 2W5-B-2 | 125 | 0.3765 | 0.386021887 |
| 2W5 | 2W5-C | 2W5-C-2 | 38.3 | 0.1154 | 0.115618867 |
| 2W5 | 2W5-D | 2W5-D-2 | 21.2 | 0.0639 | 0.063898897 |

| **Total Lead** | Max TTLC: | 332.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 83 | | 0.315 | | | |
| Delta = RT - mean | 267 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 109 | | 0.490 | | | |
| Standard Deviation of Mean: | 35 | | 0.155 | | | |
| Sample Variance: | 11910 | | 0.240 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.529 | | | |
| Reverse Transformation for 90% | | | 168 | mg/kg | 8 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.599 | | | |
| Reverse Transformation for 95% | | | 187 | mg/kg | 9 | mg/l |

## TABLE C-40
## LEAD ANALYSES - 2W SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W1 | 2W1-A | 2W1-A-SF | 1090 | 1.0000 | 1.570796327 |
| 2W1 | 2W1-B | 2W1-B-SF | 1010 | 0.9266 | 1.185282943 |
| 2W2 | 2W2-A | 2W2-A-SF | 24.4 | 0.0224 | 0.022387191 |
| 2W3 | 2W3-A | 2W3-A-SF | 51.5 | 0.0472 | 0.047265303 |
| 2W3 | 2W3-B | 2W3-B-SF | 25.5 | 0.0234 | 0.023396630 |
| 2W4 | 2W4-A | 2W4-A-SF | 117 | 0.1073 | 0.107546649 |
| 2W5 | 2W5-A | 2W5-A-SF | 167 | 0.1532 | 0.153816833 |
| 2W5 | 2W5-B | 2W5-B-SF | 520 | 0.4771 | 0.497311263 |
| 2W5 | 2W5-C | 2W5-C-SF | 30.1 | 0.0276 | 0.027618190 |
| 2W5 | 2W5-D | 2W5-D-SF | 471 | 0.4321 | 0.446831281 |
| 2W1 | 2W1-A | 2W1-A-1 | 396 | 0.3633 | 0.371810431 |
| 2W1 | 2W1-B | 2W1-B-1 | 759 | 0.6963 | 0.770271708 |
| 2W2 | 2W2-A | 2W2-A-1 | 12.3 | 0.0113 | 0.011284643 |
| 2W3 | 2W3-A | 2W3-A-1 | 17.2 | 0.0158 | 0.015780471 |
| 2W3 | 2W3-B | 2W3-B-1 | 5 | 0.0046 | 0.004587172 |
| 2W4 | 2W4-A | 2W4-A-1 | 11.4 | 0.0105 | 0.010458906 |
| 2W5 | 2W5-A | 2W5-A-1 | 9.89 | 0.0091 | 0.009073519 |
| 2W5 | 2W5-B | 2W5-B-1 | 22.2 | 0.0204 | 0.020368381 |
| 2W5 | 2W5-C | 2W5-C-1 | 12.2 | 0.0112 | 0.011192894 |
| 2W5 | 2W5-D | 2W5-D-1 | 30.9 | 0.0283 | 0.028352422 |
| 2W1 | 2W1-A | 2W1-A-2 | 214 | 0.1963 | 0.197613946 |
| 2W1 | 2W1-B | 2W1-B-2 | 332 | 0.3046 | 0.309504960 |
| 2W2 | 2W2-A | 2W2-A-2 | 12.2 | 0.0112 | 0.011192894 |
| 2W3 | 2W3-A | 2W3-A-2 | 17.5 | 0.0161 | 0.016055736 |
| 2W3 | 2W3-B | 2W3-B-2 | 12.5 | 0.0115 | 0.011468141 |
| 2W4 | 2W4-A | 2W4-A-2 | 12.3 | 0.0113 | 0.011284643 |

# TABLE C-40
## LEAD ANALYSES - 2W SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W5 | 2W5-A | 2W5-A-2 | 48.7 | 0.0447 | 0.044693777 |
| 2W5 | 2W5-B | 2W5-B-2 | 125 | 0.1147 | 0.114931760 |
| 2W5 | 2W5-C | 2W5-C-2 | 38.3 | 0.0351 | 0.035144849 |
| 2W5 | 2W5-D | 2W5-D-2 | 21.2 | 0.0194 | 0.019450768 |

| **Total Lead** | Max TTLC: | 1090.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 30 | | 30 | | | |
| Sample Mean : | 187 | | 0.204 | | | |
| Delta = RT - mean | 163 | | | | | |
| Appropriate Number of Samples: | 6 | | | | | |
| Standard Deviation of Sample: | 300 | | 0.371 | | | |
| Standard Deviation of Mean: | 55 | | 0.068 | | | |
| Sample Variance: | 89906 | | 0.138 | | | |
| t-value for 90%: | 1.311 | Need to Transform Data | 1.311 | | | |
| Upper Confidence Limit* for 90%: | | | 0.292 | | | |
| Reverse Transformation for 90% | | | 314 | mg/kg | 14 | mg/l |
| t-value for 95%: | | | 1.699 | | | |
| Upper Confidence Limit* for 95%: | | | 0.319 | | | |
| Reverse Transformation for 95% | | | 342 | mg/kg | 16 | mg/l |

## TABLE C-41
## LEAD ANALYSES - 3W SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W1 | 3W1-A | 3W1-A-SF | 2560 | 1.0000 | 1.570796327 |
| 3W2 | 3W2-A | 3W2-A-SF | 866 | 0.3383 | 0.345089870 |
| 3W2 | 3W2-B | 3W2-B-SF | 95.5 | 0.0373 | 0.037313345 |
| 3W3 | 3W3-A | 3W3-A-SF | 135 | 0.0527 | 0.052758847 |
| 3W4 | 3W4-A | 3W4-A-SF | 83.8 | 0.0327 | 0.032740224 |
| 3W5 | 3W5-A | 3W5-A-SF | 134 | 0.0523 | 0.052367682 |
| 3W5 | 3W5-B | 3W5-B-SF | 10.4 | 0.0041 | 0.004062511 |
| 3W5 | 3W5-C | 3W5-C-SF | 182 | 0.0711 | 0.071153775 |
| 3W5 | 3W5-D | 3W5-D-SF | 40.9 | 0.0160 | 0.015977242 |
| 3W6 | 3W6-A | 3W6-A-SF | 74.7 | 0.0292 | 0.029183830 |
| 3W6 | 3W6-B | 3W6-B-SF | 453 | 0.1770 | 0.177889856 |
| 3W6 | 3W6-C | 3W6-C-SF | 603 | 0.2355 | 0.237781238 |
| 3W7 | 3W7-A | 3W7-A-SF | 87.7 | 0.0343 | 0.034264517 |
| 3W7 | 3W7-B | 3W7-B-SF | 60.8 | 0.0238 | 0.023752233 |
| 3W7 | 3W7-C | 3W7-C-SF | 76.4 | 0.0298 | 0.029848182 |
| 3W7 | 3W7-D | 3W7-D-SF | 70.7 | 0.0276 | 0.027620699 |
| 3W7 | 3W7-E | 3W7-E-SF | 31.8 | 0.0124 | 0.012422194 |
| 3W7 | 3W7-F | 3W7-F-SF | 179 | 0.0699 | 0.069978976 |
| 3W7 | 3W7-G | 3W7-G-SF | 176 | 0.0688 | 0.068804274 |
| 3W7 | 3W7-H | 3W7-H-SF | 162 | 0.0633 | 0.063323561 |
| 3W7 | 3W7-I | 3W7-I-SF | 66.9 | 0.0261 | 0.026135788 |
| 3W7 | 3W7-J | 3W7-J-SF | 905 | 0.3535 | 0.361326751 |
| 3W8 | 3W8-A | 3W8-A-SF | 159 | 0.0621 | 0.062149376 |
| 3W9 | 3W9-A | 3W9-A-SF | 151 | 0.0590 | 0.059018631 |
| 3W9 | 3W9-B | 3W9-B-SF | 96.5 | 0.0377 | 0.037704245 |
| 3W10 | 3W10-A | 3W10-A-SF | 23.1 | 0.0090 | 0.009023560 |

## TABLE C-41
## LEAD ANALYSES - 3W SHOULDER - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W11 | 3W11-A | 3W11-A-SF | 66.4 | 0.0259 | 0.025940409 |
| 3W12 | 3W12-A | 3W12-A-SF | 853 | 0.3332 | 0.339698806 |
| 3W13 | 3W13-A | 3W13-A-SF | 127 | 0.0496 | 0.049629746 |

| **Total Lead** | Max TTLC: | 2560.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 29 | | 29 | | | |
| Sample Mean : | 294 | | 0.135 | | | |
| Delta = RT - mean | 56 | | | | | |
| Appropriate Number of Samples: | 142 | | | | | |
| Standard Deviation of Sample: | 507 | | 0.295 | | | |
| Standard Deviation of Mean: | 94 | | 0.055 | | | |
| Sample Variance: | 257068 | | 0.087 | | | |
| t-value for 90%: | 1.313 | Need to Transform Data | 1.313 | | | |
| Upper Confidence Limit* for 90%: | | | 0.207 | | | |
| Reverse Transformation for 90% | | | 527 | mg/kg | 34 | mg/l |
| t-value for 95%: | | | 1.701 | | | |
| Upper Confidence Limit* for 95%: | | | 0.229 | | | |
| Reverse Transformation for 95% | | | 580 | mg/kg | 37 | mg/l |

## TABLE C-42
## LEAD ANALYSES - 3W SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W1 | 3W1-A | 3W1-A-1 | 11.3 | 0.0190 | 0.019024717 |
| 3W2 | 3W2-B | 3W2-B-1 | 41.2 | 0.0694 | 0.069416004 |
| 3W3 | 3W3-A | 3W3-A-1 | 5 | 0.0084 | 0.008417608 |
| 3W4 | 3W4-A | 3W4-A-1 | 5 | 0.0084 | 0.008417608 |
| 3W5 | 3W5-A | 3W5-A-1 | 5 | 0.0084 | 0.008417608 |
| 3W5 | 3W5-B | 3W5-B-1 | 5 | 0.0084 | 0.008417608 |
| 3W5 | 3W5-C | 3W5-C-1 | 5 | 0.0084 | 0.008417608 |
| 3W5 | 3W5-D | 3W5-D-1 | 21.1 | 0.0355 | 0.035529360 |
| 3W6 | 3W6-A | 3W6-A-1 | 16.5 | 0.0278 | 0.027781351 |
| 3W6 | 3W6-B | 3W6-B-1 | 56.6 | 0.0953 | 0.095430979 |
| 3W6 | 3W6-C | 3W6-C-1 | 594 | 1.0000 | 1.570796327 |
| 3W7 | 3W7-C | 3W7-C-1 | 77.1 | 0.1298 | 0.130165233 |
| 3W7 | 3W7-D | 3W7-D-1 | 269 | 0.4529 | 0.469972708 |
| 3W7 | 3W7-E | 3W7-E-1 | 33.9 | 0.0571 | 0.057101733 |
| 3W7 | 3W7-F | 3W7-F-1 | 55.9 | 0.0941 | 0.094247208 |
| 3W7 | 3W7-G | 3W7-G-1 | 82.9 | 0.1396 | 0.140019364 |
| 3W7 | 3W7-H | 3W7-H-1 | 83.5 | 0.1406 | 0.141039522 |
| 3W7 | 3W7-I | 3W7-I-1 | 58.1 | 0.0978 | 0.097968085 |
| 3W7 | 3W7-J | 3W7-J-1 | 5 | 0.0084 | 0.008417608 |
| 3W2 | 3W2-A | 3W2-A-1 | 5 | 0.0084 | 0.008417608 |
| 3W7 | 3W7-A | 3W7-A-1 | 32.7 | 0.0551 | 0.055078349 |
| 3W8 | 3W8-A | 3W8-A-1 | 103 | 0.1734 | 0.174281608 |
| 3W9 | 3W9-A | 3W9-A-1 | 93.3 | 0.1571 | 0.157723838 |
| 3W9 | 3W9-B | 3W9-B-1 | 5 | 0.0084 | 0.008417608 |

# TABLE C-42
## LEAD ANALYSES - 3W SHOULDER - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W11 | 3W11-A | 3W11-A-1 | 158 | 0.2660 | 0.269234162 |
| 3W12 | 3W12-A | 3W12-A-1 | 114 | 0.1919 | 0.193117318 |
| 3W13 | 3W13-A | 3W13-A-1 | 35 | 0.0589 | 0.058956708 |

| **Total Lead** | Max TTLC: | 594.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 27 | | 27 | | | |
| Sample Mean : | 73 | | 0.145 | | | |
| Delta = RT - mean | 277 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 120 | | 0.303 | | | |
| Standard Deviation of Mean: | 23 | | 0.058 | | | |
| Sample Variance: | 14361 | | 0.092 | | | |
| t-value for 90%: | 1.315 | Need to Transform Data | 1.315 | | | |
| Upper Confidence Limit* for 90%: | | | 0.222 | | | |
| Reverse Transformation for 90% | | | 131 | mg/kg | 8 | mg/l |
| t-value for 95%: | | | 1.706 | | | |
| Upper Confidence Limit* for 95%: | | | 0.245 | | | |
| Reverse Transformation for 95% | | | 144 | mg/kg | 9 | mg/l |

## TABLE C-43
## LEAD ANALYSES - 3W SHOULDER - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W1 | 3W1-A | 3W1-A-2 | 30.1 | 0.0695 | 0.069571120 |
| 3W2 | 3W2-A | 3W2-A-2 | 433 | 1.0000 | 1.570796327 |
| 3W2 | 3W2-B | 3W2-B-2 | 34.7 | 0.0801 | 0.080224594 |
| 3W3 | 3W3-A | 3W3-A-2 | 5 | 0.0115 | 0.011547601 |
| 3W4 | 3W4-A | 3W4-A-2 | 5 | 0.0115 | 0.011547601 |
| 3W5 | 3W5-A | 3W5-A-2 | 5 | 0.0115 | 0.011547601 |
| 3W5 | 3W5-B | 3W5-B-2 | 5 | 0.0115 | 0.011547601 |
| 3W5 | 3W5-C | 3W5-C-2 | 5 | 0.0115 | 0.011547601 |
| 3W5 | 3W5-D | 3W5-D-2 | 21.4 | 0.0494 | 0.049442775 |
| 3W6 | 3W6-A | 3W6-A-2 | 20.8 | 0.0480 | 0.048055445 |
| 3W6 | 3W6-B | 3W6-B-2 | 38.9 | 0.0898 | 0.089959625 |
| 3W6 | 3W6-C | 3W6-C-2 | 318 | 0.7344 | 0.824798570 |
| 3W7 | 3W7-A | 3W7-A-2 | 143 | 0.3303 | 0.336572705 |
| 3W7 | 3W7-D | 3W7-D-2 | 316 | 0.7298 | 0.818017877 |
| 3W7 | 3W7-H | 3W7-H-2 | 126 | 0.2910 | 0.295264665 |
| 3W7 | 3W7-I | 3W7-I-2 | 47.2 | 0.1090 | 0.109223970 |
| 3W7 | 3W7-J | 3W7-J-2 | 5 | 0.0115 | 0.011547601 |
| 3W8 | 3W8-A | 3W8-A-2 | 19.3 | 0.0446 | 0.044587520 |
| 3W9 | 3W9-A | 3W9-A-2 | 158 | 0.3649 | 0.373521178 |
| 3W9 | 3W9-B | 3W9-B-2 | 21.1 | 0.0487 | 0.048749098 |
| 3W11 | 3W11-A | 3W11-A-2 | 159 | 0.3672 | 0.376002891 |
| 3W12 | 3W12-A | 3W12-A-2 | 5 | 0.0115 | 0.011547601 |
| 3W13 | 3W13-A | 3W13-A-2 | 11 | 0.0254 | 0.025406890 |

| **Total Lead** | Max TTLC: | 433.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 23 | | 23 | | | |
| Sample Mean : | 84 | | 0.228 | | | |
| Delta = RT - mean | 266 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 121 | | 0.378 | | | |
| Standard Deviation of Mean: | 25 | | 0.079 | | | |
| Sample Variance: | 14569 | | 0.143 | | | |
| t-value for 90%: | 1.321 | Need to Transform Data | 1.321 | | | |
| Upper Confidence Limit* for 90%: | | | 0.332 | | | |
| Reverse Transformation for 90% | | | 141 | mg/kg | 9 | mg/l |
| t-value for 95%: | | | 1.717 | | | |
| Upper Confidence Limit* for 95%: | | | 0.363 | | | |
| Reverse Transformation for 95% | | | 154 | mg/kg | 10 | mg/l |

## TABLE C-44
## LEAD ANALYSES - 3W SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W1 | 3W1-A | 3W1-A-SF | 2560 | 1.0000 | 1.570796327 |
| 3W2 | 3W2-A | 3W2-A-SF | 866 | 0.3383 | 0.345089870 |
| 3W2 | 3W2-B | 3W2-B-SF | 95.5 | 0.0373 | 0.037313345 |
| 3W3 | 3W3-A | 3W3-A-SF | 135 | 0.0527 | 0.052758847 |
| 3W4 | 3W4-A | 3W4-A-SF | 83.8 | 0.0327 | 0.032740224 |
| 3W5 | 3W5-A | 3W5-A-SF | 134 | 0.0523 | 0.052367682 |
| 3W5 | 3W5-B | 3W5-B-SF | 10.4 | 0.0041 | 0.004062511 |
| 3W5 | 3W5-C | 3W5-C-SF | 182 | 0.0711 | 0.071153775 |
| 3W5 | 3W5-D | 3W5-D-SF | 40.9 | 0.0160 | 0.015977242 |
| 3W6 | 3W6-A | 3W6-A-SF | 74.7 | 0.0292 | 0.029183830 |
| 3W6 | 3W6-B | 3W6-B-SF | 453 | 0.1770 | 0.177889856 |
| 3W6 | 3W6-C | 3W6-C-SF | 603 | 0.2355 | 0.237781238 |
| 3W7 | 3W7-A | 3W7-A-SF | 87.7 | 0.0343 | 0.034264517 |
| 3W7 | 3W7-B | 3W7-B-SF | 60.8 | 0.0238 | 0.023752233 |
| 3W7 | 3W7-C | 3W7-C-SF | 76.4 | 0.0298 | 0.029848182 |
| 3W7 | 3W7-D | 3W7-D-SF | 70.7 | 0.0276 | 0.027620699 |
| 3W7 | 3W7-E | 3W7-E-SF | 31.8 | 0.0124 | 0.012422194 |
| 3W7 | 3W7-F | 3W7-F-SF | 179 | 0.0699 | 0.069978976 |
| 3W7 | 3W7-G | 3W7-G-SF | 176 | 0.0688 | 0.068804274 |
| 3W7 | 3W7-H | 3W7-H-SF | 162 | 0.0633 | 0.063323561 |
| 3W7 | 3W7-I | 3W7-I-SF | 66.9 | 0.0261 | 0.026135788 |
| 3W7 | 3W7-J | 3W7-J-SF | 905 | 0.3535 | 0.361326751 |
| 3W8 | 3W8-A | 3W8-A-SF | 159 | 0.0621 | 0.062149376 |
| 3W9 | 3W9-A | 3W9-A-SF | 151 | 0.0590 | 0.059018631 |
| 3W9 | 3W9-B | 3W9-B-SF | 96.5 | 0.0377 | 0.037704245 |
| 3W10 | 3W10-A | 3W10-A-SF | 23.1 | 0.0090 | 0.009023560 |
| 3W11 | 3W11-A | 3W11-A-SF | 66.4 | 0.0259 | 0.025940409 |
| 3W12 | 3W12-A | 3W12-A-SF | 853 | 0.3332 | 0.339698806 |
| 3W13 | 3W13-A | 3W13-A-SF | 127 | 0.0496 | 0.049629746 |
| 3W1 | 3W1-A | 3W1-A-1 | 11.3 | 0.0044 | 0.004414077 |
| 3W2 | 3W2-B | 3W2-B-1 | 41.2 | 0.0161 | 0.016094445 |
| 3W3 | 3W3-A | 3W3-A-1 | 5 | 0.0020 | 0.001953126 |

## TABLE C-44
## LEAD ANALYSES - 3W SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W4 | 3W4-A | 3W4-A-1 | 5 | 0.0020 | 0.001953126 |
| 3W5 | 3W5-A | 3W5-A-1 | 5 | 0.0020 | 0.001953126 |
| 3W5 | 3W5-B | 3W5-B-1 | 5 | 0.0020 | 0.001953126 |
| 3W5 | 3W5-C | 3W5-C-1 | 5 | 0.0020 | 0.001953126 |
| 3W5 | 3W5-D | 3W5-D-1 | 21.1 | 0.0082 | 0.008242281 |
| 3W6 | 3W6-A | 3W6-A-1 | 16.5 | 0.0064 | 0.006445357 |
| 3W6 | 3W6-B | 3W6-B-1 | 56.6 | 0.0221 | 0.022111177 |
| 3W6 | 3W6-C | 3W6-C-1 | 594 | 0.2320 | 0.234165406 |
| 3W7 | 3W7-C | 3W7-C-1 | 77.1 | 0.0301 | 0.030121742 |
| 3W7 | 3W7-D | 3W7-D-1 | 269 | 0.1051 | 0.105272461 |
| 3W7 | 3W7-E | 3W7-E-1 | 33.9 | 0.0132 | 0.013242575 |
| 3W7 | 3W7-F | 3W7-F-1 | 55.9 | 0.0218 | 0.021837673 |
| 3W7 | 3W7-G | 3W7-G-1 | 82.9 | 0.0324 | 0.032388475 |
| 3W7 | 3W7-H | 3W7-H-1 | 83.5 | 0.0326 | 0.032622974 |
| 3W7 | 3W7-I | 3W7-I-1 | 58.1 | 0.0227 | 0.022697261 |
| 3W7 | 3W7-J | 3W7-J-1 | 5 | 0.0020 | 0.001953126 |
| 3W2 | 3W2-A | 3W2-A-1 | 5 | 0.0020 | 0.001953126 |
| 3W7 | 3W7-A | 3W7-A-1 | 32.7 | 0.0128 | 0.012773785 |
| 3W8 | 3W8-A | 3W8-A-1 | 103 | 0.0402 | 0.040245238 |
| 3W9 | 3W9-A | 3W9-A-1 | 93.3 | 0.0364 | 0.036453385 |
| 3W9 | 3W9-B | 3W9-B-1 | 5 | 0.0020 | 0.001953126 |
| 3W11 | 3W11-A | 3W11-A-1 | 158 | 0.0617 | 0.061758001 |
| 3W12 | 3W12-A | 3W12-A-1 | 114 | 0.0445 | 0.044545981 |
| 3W13 | 3W13-A | 3W13-A-1 | 35 | 0.0137 | 0.013672301 |
| 3W1 | 3W1-A | 3W1-A-2 | 30.1 | 0.0118 | 0.011758083 |
| 3W2 | 3W2-A | 3W2-A-2 | 433 | 0.1691 | 0.169957666 |
| 3W2 | 3W2-B | 3W2-B-2 | 34.7 | 0.0136 | 0.013555103 |
| 3W3 | 3W3-A | 3W3-A-2 | 5 | 0.0020 | 0.001953126 |
| 3W4 | 3W4-A | 3W4-A-2 | 5 | 0.0020 | 0.001953126 |
| 3W5 | 3W5-A | 3W5-A-2 | 5 | 0.0020 | 0.001953126 |
| 3W5 | 3W5-B | 3W5-B-2 | 5 | 0.0020 | 0.001953126 |
| 3W5 | 3W5-C | 3W5-C-2 | 5 | 0.0020 | 0.001953126 |

## TABLE C-44
## LEAD ANALYSES - 3W SHOULDER - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W5 | 3W5-D | 3W5-D-2 | 21.4 | 0.0084 | 0.008359472 |
| 3W6 | 3W6-A | 3W6-A-2 | 20.8 | 0.0081 | 0.008125089 |
| 3W6 | 3W6-B | 3W6-B-2 | 38.9 | 0.0152 | 0.015195897 |
| 3W6 | 3W6-C | 3W6-C-2 | 318 | 0.1242 | 0.124540444 |
| 3W7 | 3W7-A | 3W7-A-2 | 143 | 0.0559 | 0.055888465 |
| 3W7 | 3W7-D | 3W7-D-2 | 316 | 0.1234 | 0.123753135 |
| 3W7 | 3W7-H | 3W7-H-2 | 126 | 0.0492 | 0.049238644 |
| 3W7 | 3W7-I | 3W7-I-2 | 47.2 | 0.0184 | 0.018438545 |
| 3W7 | 3W7-J | 3W7-J-2 | 5 | 0.0020 | 0.001953126 |
| 3W8 | 3W8-A | 3W8-A-2 | 19.3 | 0.0075 | 0.007539134 |
| 3W9 | 3W9-A | 3W9-A-2 | 158 | 0.0617 | 0.061758001 |
| 3W9 | 3W9-B | 3W9-B-2 | 21.1 | 0.0082 | 0.008242281 |
| 3W11 | 3W11-A | 3W11-A-2 | 159 | 0.0621 | 0.062149376 |
| 3W12 | 3W12-A | 3W12-A-2 | 5 | 0.0020 | 0.001953126 |
| 3W13 | 3W13-A | 3W13-A-2 | 11 | 0.0043 | 0.004296888 |

| **Total Lead** | Max TTLC: | 2560.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 79 | | 79 | | | |
| Sample Mean : | 157 | | 0.069 | | | |
| Delta = RT - mean | 193 | | | | | |
| Appropriate Number of Samples: | 5 | | | | | |
| Standard Deviation of Sample: | 335 | | 0.187 | | | |
| Standard Deviation of Mean: | 38 | | 0.021 | | | |
| Sample Variance: | 112171 | | 0.035 | | | |
| t-value for 90%: | 1.294 | Need to Transform Data | 1.294 | | | |
| Upper Confidence Limit* for 90%: | | | 0.096 | | | |
| Reverse Transformation for 90% | | | 246 | mg/kg | 16 | mg/l |
| t-value for 95%: | | | 1.667 | | | |
| Upper Confidence Limit* for 95%: | | | 0.104 | | | |
| Reverse Transformation for 95% | | | 266 | mg/kg | 17 | mg/l |

## TABLE C-45
## LEAD ANALYSES - 1E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E | 1E-RW64-A | 1E-RW64-A-SF | 231 | 1.0000 | 1.570796327 |
| 1E | 1E-RW64-B | 1E-RW64-B-SF | 227 | 0.9827 | 1.384429895 |
| 1E | 1E-RW64-C | 1E-RW64-C-SF | 150 | 0.6494 | 0.706730266 |
| 1E | 1E-RW64ABT-D | 1E-RW64ABT-D-SF | 196 | 0.8485 | 1.013115697 |

| **Total Lead** | Max TTLC: | 231.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 201 | | 1.169 | | | |
| Delta = RT - mean | 149 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 37 | | 0.386 | | | |
| Standard Deviation of Mean: | 19 | | 0.193 | | | |
| Sample Variance: | 1401 | | 0.149 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.484 | | | |
| Reverse Transformation for 90% | | | 230 | mg/kg | 13 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.622 | | | |
| Reverse Transformation for 95% | | | 231 | mg/kg | 13 | mg/l |

## TABLE C-46
## LEAD ANALYSES - 1E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E | 1E-RW64-A | 1E-RW64-A-1 | 13.8 | 1.0000 | 1.570796327 |
| 1E | 1E-RW64-B | 1E-RW64-B-1 | 5 | 0.3623 | 0.370754576 |
| 1E | 1E-RW64-C | 1E-RW64-C-1 | 13.3 | 0.9638 | 1.300785903 |
| 1E | 1E-RW64ABT-D | 1E-RW64ABT-D-1 | 10.6 | 0.7681 | 0.875893524 |

| **Total Lead** | Max TTLC: | 13.8 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 11 | | 1.030 | | | |
| Delta = RT - mean | 339 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 4 | | 0.524 | | | |
| Standard Deviation of Mean: | 2 | | 0.262 | | | |
| Sample Variance: | 16 | | 0.275 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.459 | | | |
| Reverse Transformation for 90% | | | 13.7 | mg/kg | 0.8 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.646 | | | |
| Reverse Transformation for 95% | | | 13.8 | mg/kg | 0.8 | mg/l |

## TABLE C-47
## LEAD ANALYSES - 1E RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E | 1E-RW64-A | 1E-RW64-A-2 | 5 | 1.0000 | 1.570796327 |
| 1E | 1E-RW64-B | 1E-RW64-B-2 | 5 | 1.0000 | 1.570796327 |
| 1E | 1E-RW64-C | 1E-RW64-C-2 | 5 | 1.0000 | 1.570796327 |
| 1E | 1E-RW64ABT-D | 1E-RW64ABT-D-2 | 5 | 1.0000 | 1.570796327 |

| **Total Lead** | Max TTLC: | 5.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 5 | | 1.571 | | | |
| Delta = RT - mean | 345 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 0 | | 0.000 | | | |
| Standard Deviation of Mean: | 0 | | 0.000 | | | |
| Sample Variance: | 0 | | 0.000 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.571 | | | |
| Reverse Transformation for 90% | | | 5 | mg/kg | 0.27 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.571 | | | |
| Reverse Transformation for 95% | | | 5 | mg/kg | 0.27 | mg/l |

# TABLE C-48
## LEAD ANALYSES - 1E RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E | 1E-RW64-B | 1E-RW64-B-5 | 26.4 | 0.8381 | 0.993782180 |
| 1E | 1E-RW64-C | 1E-RW64-C-5 | 5 | 0.1587 | 0.159404373 |
| 1E | 1E-RW64ABT-D | 1E-RW64ABT-D-5 | 31.5 | 1.0000 | 1.570796327 |

| **Total Lead** | Max TTLC: | 31.5 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 3 | | 3 | | | |
| Sample Mean : | 21 | | 0.908 | | | |
| Delta = RT - mean | 329 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 14 | | 0.710 | | | |
| Standard Deviation of Mean: | 8 | | 0.410 | | | |
| Sample Variance: | 198 | | 0.504 | | | |
| t-value for 90%: | 1.886 | Need to Transform Data | 1.886 | | | |
| Upper Confidence Limit* for 90%: | | | 1.681 | | | |
| Reverse Transformation for 90% | | | 31 | mg/kg | 1.7 | mg/l |
| t-value for 95%: | | | 2.920 | | | |
| Upper Confidence Limit* for 95%: | | | 2.104 | | | |
| Reverse Transformation for 95% | | | 27 | mg/kg | 1.5 | mg/l |

## TABLE C-49
## LEAD ANALYSES - 1E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1E | 1E-RW64-A | 1E-RW64-A-SF | 231 | 1.0000 | 1.570796327 |
| 1E | 1E-RW64-B | 1E-RW64-B-SF | 227 | 0.9827 | 1.384429895 |
| 1E | 1E-RW64-C | 1E-RW64-C-SF | 150 | 0.6494 | 0.706730266 |
| 1E | 1E-RW64ABT-D | 1E-RW64ABT-D-SF | 196 | 0.8485 | 1.013115697 |
| 1E | 1E-RW64-A | 1E-RW64-A-1 | 13.8 | 0.0597 | 0.059775851 |
| 1E | 1E-RW64-B | 1E-RW64-B-1 | 5 | 0.0216 | 0.021646712 |
| 1E | 1E-RW64-C | 1E-RW64-C-1 | 13.3 | 0.0576 | 0.057607615 |
| 1E | 1E-RW64ABT-D | 1E-RW64ABT-D-1 | 10.6 | 0.0459 | 0.045903565 |
| 1E | 1E-RW64-A | 1E-RW64-A-2 | 5 | 0.0216 | 0.021646712 |
| 1E | 1E-RW64-B | 1E-RW64-B-2 | 5 | 0.0216 | 0.021646712 |
| 1E | 1E-RW64-C | 1E-RW64-C-2 | 5 | 0.0216 | 0.021646712 |
| 1E | 1E-RW64ABT-D | 1E-RW64ABT-D-2 | 5 | 0.0216 | 0.021646712 |
| 1E | 1E-RW64-B | 1E-RW64-B-5 | 26.4 | 0.1143 | 0.114535973 |
| 1E | 1E-RW64-C | 1E-RW64-C-5 | 5 | 0.0216 | 0.021646712 |
| 1E | 1E-RW64ABT-D | 1E-RW64ABT-D-5 | 31.5 | 0.1364 | 0.136789827 |

| **Total Lead** | Max TTLC: | 231.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 15 | | 15 | | | |
| Sample Mean : | 62 | | 0.348 | | | |
| Delta = RT - mean | 288 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 89 | | 0.544 | | | |
| Standard Deviation of Mean: | 23 | | 0.140 | | | |
| Sample Variance: | 7894 | | 0.296 | | | |
| t-value for 90%: | 1.345 | Need to Transform Data | 1.345 | | | |
| Upper Confidence Limit* for 90%: | | | 0.537 | | | |
| Reverse Transformation for 90% | | | 118 | mg/kg | 6 | mg/l |
| t-value for 95%: | | | 1.761 | | | |
| Upper Confidence Limit* for 95%: | | | 0.595 | | | |
| Reverse Transformation for 95% | | | 130 | mg/kg | 7 | mg/l |

## TABLE C-50
## LEAD ANALYSES - 2E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-RW470ABT-A | 2E1-RW470ABT-A-SF | 153 | 0.0743 | 0.074340299 |
| 2E1 | 2E1-RW470-B | 2E1-RW470-B-SF | 138 | 0.0670 | 0.067040498 |
| 2E1 | 2E1-RW470-C | 2E1-RW470-C-SF | 19.9 | 0.0097 | 0.009660344 |
| 2E1 | 2E1-RW470-D | 2E1-RW470-D-SF | 15.5 | 0.0075 | 0.007524343 |
| 2E1 | 2E1-RW88-A | 2E1-RW88-A-SF | 35.5 | 0.0172 | 0.017233863 |
| 2E1 | 2E1-RW88-B | 2E1-RW88-B-SF | 42.1 | 0.0204 | 0.020438316 |
| 2E1 | 2E1-RW88-C | 2E1-RW88-C-SF | 520 | 0.2524 | 0.255187855 |
| 2E1 | 2E1-RW88-D | 2E1-RW88-D-SF | 49.6 | 0.0241 | 0.024079997 |
| 2E2 | 2E2-RW490-A | 2E2-RW490-A-SF | 1870 | 0.9078 | 1.137929668 |
| 2E2 | 2E2-RW490-B | 2E2-RW490-B-SF | 2060 | 1.0000 | 1.570796327 |
| 2E2 | 2E2-RW490-C | 2E2-RW490-C-SF | 421 | 0.2044 | 0.205818989 |
| 2E2 | 2E2-RW490-D | 2E2-RW490-D-SF | 326 | 0.1583 | 0.158920525 |

| **Total Lead** | Max TTLC: | 2060.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 12 | | 12 | | | |
| Sample Mean : | 471 | | 0.296 | | | |
| Delta = RT - mean | -121 | | | | | |
| Appropriate Number of Samples: | 66 | | | | | |
| Standard Deviation of Sample: | 719 | | 0.510 | | | |
| Standard Deviation of Mean: | 207 | | 0.147 | | | |
| Sample Variance: | 516566 | | 0.260 | | | |
| t-value for 90%: | 1.363 | Need to Transform Data | 1.363 | | | |
| Upper Confidence Limit* for 90%: | | | 0.496 | | | |
| Reverse Transformation for 90% | | | 981 | mg/kg | 56 | mg/l |
| t-value for 95%: | | | 1.796 | | | |
| Upper Confidence Limit* for 95%: | | | 0.560 | | | |
| Reverse Transformation for 95% | | | 1094 | mg/kg | 62 | mg/l |

## TABLE C-51
## LEAD ANALYSES - 2E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-RW470ABT-A | 2E1-RW470ABT-A-1 | 20.3 | 0.0115 | 0.011469178 |
| 2E1 | 2E1-RW470-B | 2E1-RW470-B-1 | 10.4 | 0.0059 | 0.005875740 |
| 2E1 | 2E1-RW470-C | 2E1-RW470-C-1 | 20.3 | 0.0115 | 0.011469178 |
| 2E1 | 2E1-RW470-D | 2E1-RW470-D-1 | 11.2 | 0.0063 | 0.006327726 |
| 2E1 | 2E1-RW88-A | 2E1-RW88-A-1 | 19 | 0.0107 | 0.010734669 |
| 2E1 | 2E1-RW88-B | 2E1-RW88-B-1 | 11.1 | 0.0063 | 0.006271228 |
| 2E1 | 2E1-RW88-C | 2E1-RW88-C-1 | 5 | 0.0028 | 0.002824863 |
| 2E1 | 2E1-RW88-D | 2E1-RW88-D-1 | 5 | 0.0028 | 0.002824863 |
| 2E2 | 2E2-RW490-A | 2E2-RW490-A-1 | 1770 | 1.0000 | 1.570796327 |
| 2E2 | 2E2-RW490-B | 2E2-RW490-B-1 | 1350 | 0.7627 | 0.867495950 |
| 2E2 | 2E2-RW490-C | 2E2-RW490-C-1 | 249 | 0.1407 | 0.141146157 |
| 2E2 | 2E2-RW490-D | 2E2-RW490-D-1 | 314 | 0.1774 | 0.178345063 |

| **Total Lead** | Max TTLC: | 1770.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 12 | | 12 | | | |
| Sample Mean : | 315 | | 0.235 | | | |
| Delta = RT - mean | 35 | | | | | |
| Appropriate Number of Samples: | 555 | | | | | |
| Standard Deviation of Sample: | 597 | | 0.487 | | | |
| Standard Deviation of Mean: | 172 | | 0.141 | | | |
| Sample Variance: | 356686 | | 0.237 | | | |
| t-value for 90%: | 1.363 | Need to Transform Data | 1.363 | | | |
| Upper Confidence Limit* for 90%: | | | 0.426 | | | |
| Reverse Transformation for 90% | | | 732 | mg/kg | 41 | mg/l |
| t-value for 95%: | | | 1.796 | | | |
| Upper Confidence Limit* for 95%: | | | 0.487 | | | |
| Reverse Transformation for 95% | | | 829 | mg/kg | 47 | mg/l |

## TABLE C-52
## LEAD ANALYSES - 2E RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-RW470ABT-A | 2E1-RW470ABT-A-2 | 5 | 0.0075 | 0.007518868 |
| 2E1 | 2E1-RW470-B | 2E1-RW470-B-2 | 5 | 0.0075 | 0.007518868 |
| 2E1 | 2E1-RW470-C | 2E1-RW470-C-2 | 26.1 | 0.0392 | 0.039258204 |
| 2E1 | 2E1-RW470-D | 2E1-RW470-D-2 | 43.1 | 0.0648 | 0.064857491 |
| 2E1 | 2E1-RW88-A | 2E1-RW88-A-2 | 5 | 0.0075 | 0.007518868 |
| 2E1 | 2E1-RW88-B | 2E1-RW88-B-2 | 48.4 | 0.0728 | 0.072846365 |
| 2E1 | 2E1-RW88-C | 2E1-RW88-C-2 | 17.5 | 0.0263 | 0.026318828 |
| 2E1 | 2E1-RW88-D | 2E1-RW88-D-2 | 5 | 0.0075 | 0.007518868 |
| 2E2 | 2E2-RW490-A | 2E2-RW490-A-2 | 665 | 1.0000 | 1.570796327 |
| 2E2 | 2E2-RW490-B | 2E2-RW490-B-2 | 635 | 0.9549 | 1.269279772 |
| 2E2 | 2E2-RW490-C | 2E2-RW490-C-2 | 19.9 | 0.0299 | 0.029929280 |
| 2E2 | 2E2-RW490-D | 2E2-RW490-D-2 | 64.9 | 0.0976 | 0.097749576 |

| **Total Lead** | Max TTLC: | 665.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 12 | | 12 | | | |
| Sample Mean : | 128 | | 0.267 | | | |
| Delta = RT - mean | 222 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 245 | | 0.543 | | | |
| Standard Deviation of Mean: | 71 | | 0.157 | | | |
| Sample Variance: | 59794 | | 0.295 | | | |
| t-value for 90%: | 1.363 | Need to Transform Data | 1.363 | | | |
| Upper Confidence Limit* for 90%: | | | 0.481 | | | |
| Reverse Transformation for 90% | | | 307 | mg/kg | 17 | mg/l |
| t-value for 95%: | | | 1.796 | | | |
| Upper Confidence Limit* for 95%: | | | 0.548 | | | |
| Reverse Transformation for 95% | | | 347 | mg/kg | 20 | mg/l |

# TABLE C-53
## LEAD ANALYSES - 2E RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-RW470-B | 2E1-RW470-B-5 | 5 | 0.0034 | 0.003424664 |
| 2E1 | 2E1-RW470-C | 2E1-RW470-C-5 | 5 | 0.0034 | 0.003424664 |
| 2E1 | 2E1-RW470-D | 2E1-RW470-D-5 | 40.3 | 0.0276 | 0.027606246 |
| 2E1 | 2E1-RW88-A | 2E1-RW88-A-5 | 5 | 0.0034 | 0.003424664 |
| 2E1 | 2E1-RW88-B | 2E1-RW88-B-5 | 5 | 0.0034 | 0.003424664 |
| 2E1 | 2E1-RW88-C | 2E1-RW88-C-5 | 5 | 0.0034 | 0.003424664 |
| 2E1 | 2E1-RW88-D | 2E1-RW88-D-5 | 12.1 | 0.0083 | 0.008287766 |
| 2E2 | 2E2-RW490-A | 2E2-RW490-A-5 | 99.1 | 0.0679 | 0.067928941 |
| 2E2 | 2E2-RW490-B | 2E2-RW490-B-5 | 1460 | 1.0000 | 1.570796327 |
| 2E2 | 2E2-RW490-D | 2E2-RW490-D-5 | 81.4 | 0.0558 | 0.055782350 |

| **Total Lead** | Max TTLC: | 1460.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 172 | | 0.175 | | | |
| Delta = RT - mean | 178 | | | | | |
| Appropriate Number of Samples: | 12 | | | | | |
| Standard Deviation of Sample: | 454 | | | | | |
| Standard Deviation of Mean: | 144 | | 0.491 | | | |
| Sample Variance: | 206092 | | 0.155 | | | |
| t-value for 90%: | 1.383 | | 0.241 | | | |
| Upper Confidence Limit* for 90%: | | Need to Transform Data | 1.383 | | | |
| Reverse Transformation for 90% | | | 0.390 | | | |
| t-value for 95%: | | | 554 | mg/kg | 31 | mg/l |
| Upper Confidence Limit* for 95%: | | | 1.833 | | | |
| Reverse Transformation for 95% | | | 0.459 | | | |
| | | | 647 | mg/kg | 37 | mg/l |

## TABLE C-54
## LEAD ANALYSES - 2E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E1 | 2E1-RW470ABT-A | 2E1-RW470ABT-A-SF | 153 | 0.0743 | 0.074340299 |
| 2E1 | 2E1-RW470-B | 2E1-RW470-B-SF | 138 | 0.0670 | 0.067040498 |
| 2E1 | 2E1-RW470-C | 2E1-RW470-C-SF | 19.9 | 0.0097 | 0.009660344 |
| 2E1 | 2E1-RW470-D | 2E1-RW470-D-SF | 15.5 | 0.0075 | 0.007524343 |
| 2E1 | 2E1-RW88-A | 2E1-RW88-A-SF | 35.5 | 0.0172 | 0.017233863 |
| 2E1 | 2E1-RW88-B | 2E1-RW88-B-SF | 42.1 | 0.0204 | 0.020438316 |
| 2E1 | 2E1-RW88-C | 2E1-RW88-C-SF | 520 | 0.2524 | 0.255187855 |
| 2E1 | 2E1-RW88-D | 2E1-RW88-D-SF | 49.6 | 0.0241 | 0.024079997 |
| 2E2 | 2E2-RW490-A | 2E2-RW490-A-SF | 1870 | 0.9078 | 1.137929668 |
| 2E2 | 2E2-RW490-B | 2E2-RW490-B-SF | 2060 | 1.0000 | 1.570796327 |
| 2E2 | 2E2-RW490-C | 2E2-RW490-C-SF | 421 | 0.2044 | 0.205818989 |
| 2E2 | 2E2-RW490-D | 2E2-RW490-D-SF | 326 | 0.1583 | 0.158920525 |
| 2E1 | 2E1-RW470ABT-A | 2E1-RW470ABT-A-1 | 20.3 | 0.0099 | 0.009854528 |
| 2E1 | 2E1-RW470-B | 2E1-RW470-B-1 | 10.4 | 0.0050 | 0.005048565 |
| 2E1 | 2E1-RW470-C | 2E1-RW470-C-1 | 20.3 | 0.0099 | 0.009854528 |
| 2E1 | 2E1-RW470-D | 2E1-RW470-D-1 | 11.2 | 0.0054 | 0.005436920 |
| 2E1 | 2E1-RW88-A | 2E1-RW88-A-1 | 19 | 0.0092 | 0.009223432 |
| 2E1 | 2E1-RW88-B | 2E1-RW88-B-1 | 11.1 | 0.0054 | 0.005388376 |
| 2E1 | 2E1-RW88-C | 2E1-RW88-C-1 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW88-D | 2E1-RW88-D-1 | 5 | 0.0024 | 0.002427187 |
| 2E2 | 2E2-RW490-A | 2E2-RW490-A-1 | 1770 | 0.8592 | 1.033749557 |
| 2E2 | 2E2-RW490-B | 2E2-RW490-B-1 | 1350 | 0.6553 | 0.714632408 |
| 2E2 | 2E2-RW490-C | 2E2-RW490-C-1 | 249 | 0.1209 | 0.121170076 |
| 2E2 | 2E2-RW490-D | 2E2-RW490-D-1 | 314 | 0.1524 | 0.153023692 |
| 2E1 | 2E1-RW470ABT-A | 2E1-RW470ABT-A-2 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW470-B | 2E1-RW470-B-2 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW470-C | 2E1-RW470-C-2 | 26.1 | 0.0127 | 0.012670242 |
| 2E1 | 2E1-RW470-D | 2E1-RW470-D-2 | 43.1 | 0.0209 | 0.020923857 |
| 2E1 | 2E1-RW88-A | 2E1-RW88-A-2 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW88-B | 2E1-RW88-B-2 | 48.4 | 0.0235 | 0.023497308 |
| 2E1 | 2E1-RW88-C | 2E1-RW88-C-2 | 17.5 | 0.0085 | 0.008495248 |
| 2E1 | 2E1-RW88-D | 2E1-RW88-D-2 | 5 | 0.0024 | 0.002427187 |

## TABLE C-54
## LEAD ANALYSES - 2E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2E2 | 2E2-RW490-A | 2E2-RW490-A-2 | 665 | 0.3228 | 0.328702783 |
| 2E2 | 2E2-RW490-B | 2E2-RW490-B-2 | 635 | 0.3083 | 0.313355457 |
| 2E2 | 2E2-RW490-C | 2E2-RW490-C-2 | 19.9 | 0.0097 | 0.009660344 |
| 2E2 | 2E2-RW490-D | 2E2-RW490-D-2 | 64.9 | 0.0315 | 0.031510068 |
| 2E1 | 2E1-RW470-B | 2E1-RW470-B-5 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW470-C | 2E1-RW470-C-5 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW470-D | 2E1-RW470-D-5 | 40.3 | 0.0196 | 0.019564355 |
| 2E1 | 2E1-RW88-A | 2E1-RW88-A-5 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW88-B | 2E1-RW88-B-5 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW88-C | 2E1-RW88-C-5 | 5 | 0.0024 | 0.002427187 |
| 2E1 | 2E1-RW88-D | 2E1-RW88-D-5 | 12.1 | 0.0059 | 0.005873820 |
| 2E2 | 2E2-RW490-A | 2E2-RW490-A-5 | 99.1 | 0.0481 | 0.048125371 |
| 2E2 | 2E2-RW490-B | 2E2-RW490-B-5 | 1460 | 0.7087 | 0.787707532 |
| 2E2 | 2E2-RW490-D | 2E2-RW490-D-5 | 81.4 | 0.0395 | 0.039524853 |

| **Total Lead** | Max TTLC: | 2060.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 46 | | 46 | | | |
| Sample Mean : | 276 | | 0.159 | | | |
| Delta = RT - mean | 74 | | | | | |
| Appropriate Number of Samples: | 89 | | | | | |
| Standard Deviation of Sample: | 537 | | 0.340 | | | |
| Standard Deviation of Mean: | 79 | | 0.050 | | | |
| Sample Variance: | 288068 | | 0.116 | | | |
| t-value for 90%: | 1.301 | Need to Transform Data | 1.301 | | | |
| Upper Confidence Limit* for 90%: | | | 0.224 | | | |
| Reverse Transformation for 90% | | | 457 | mg/kg | 26 | mg/l |
| t-value for 95%: | | | 1.681 | | | |
| Upper Confidence Limit* for 95%: | | | 0.243 | | | |
| Reverse Transformation for 95% | | | 495 | mg/kg | 28 | mg/l |

# TABLE C-55
## LEAD ANALYSES - 3E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-RW496ABT-A | 3E1-RW496ABT-A-SF | 235 | 0.1230 | 0.123349205 |
| 3E1 | 3E1-RW496-B | 3E1-RW496-B-SF | 1910 | 1.0000 | 1.570796327 |
| 3E1 | 3E1-RW496-C | 3E1-RW496-C-SF | 722 | 0.3780 | 0.387646371 |
| 3E1 | 3E1-RW496-D | 3E1-RW496-D-SF | 1390 | 0.7277 | 0.815033670 |
| 3E3 | 3E3-RW504ABT-A | 3E3-RW504ABT-A-SF | 30.3 | 0.0159 | 0.015864540 |
| 3E3 | 3E3-RW504-B | 3E3-RW504-B-SF | 139 | 0.0728 | 0.072839261 |
| 3E3 | 3E3-RW504-C | 3E3-RW504-C-SF | 19.4 | 0.0102 | 0.010157243 |
| 3E3 | 3E3-RW504-D | 3E3-RW504-D-SF | 12.2 | 0.0064 | 0.006387478 |
| 3E3 | 3E3-RW510-A | 3E3-RW510-A-SF | 53.7 | 0.0281 | 0.028118889 |
| 3E3 | 3E3-RW510-B | 3E3-RW510-B-SF | 72 | 0.0377 | 0.037705269 |
| 3E3 | 3E3-RW510-C | 3E3-RW510-C-SF | 580 | 0.3037 | 0.308536869 |
| 3E3 | 3E3-RW510ABT-D | 3E3-RW510ABT-D-SF | 168 | 0.0880 | 0.088071928 |
| 3E3 | 3E3-RW98-A | 3E3-RW98-A-SF | 51.8 | 0.0271 | 0.027123745 |

| **Total Lead** | Max TTLC: | 1910.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 13 | | 13 | | | |
| Sample Mean : | 414 | | 0.269 | | | |
| Delta = RT - mean | -64 | | | | | |
| Appropriate Number of Samples: | 161 | | | | | |
| Standard Deviation of Sample: | 600 | | 0.454 | | | |
| Standard Deviation of Mean: | 166 | | 0.126 | | | |
| Sample Variance: | 360295 | | 0.206 | | | |
| t-value for 90%: | 1.356 | Need to Transform Data | 1.356 | | | |
| Upper Confidence Limit* for 90%: | | | 0.439 | | | |
| Reverse Transformation for 90% | | | 812 | mg/kg | 41 | mg/l |
| t-value for 95%: | | | 1.782 | | | |
| Upper Confidence Limit* for 95%: | | | 0.493 | | | |
| Reverse Transformation for 95% | | | 904 | mg/kg | 45 | mg/l |

# TABLE C-56
## LEAD ANALYSES - 3E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-RW496ABT-A | 3E1-RW496ABT-A-1 | 42.5 | 0.0200 | 0.019954376 |
| 3E1 | 3E1-RW496-B | 3E1-RW496-B-1 | 151 | 0.0709 | 0.070951534 |
| 3E1 | 3E1-RW496-C | 3E1-RW496-C-1 | 27.9 | 0.0131 | 0.013098966 |
| 3E1 | 3E1-RW496-D | 3E1-RW496-D-1 | 2130 | 1.0000 | 1.570796327 |
| 3E3 | 3E3-RW504ABT-A | 3E3-RW504ABT-A-1 | 20.6 | 0.0097 | 0.009671512 |
| 3E3 | 3E3-RW504-B | 3E3-RW504-B-1 | 20.3 | 0.0095 | 0.009530661 |
| 3E3 | 3E3-RW504-C | 3E3-RW504-C-1 | 77.8 | 0.0365 | 0.036533948 |
| 3E3 | 3E3-RW504-D | 3E3-RW504-D-1 | 13.2 | 0.0062 | 0.006197223 |
| 3E3 | 3E3-RW510-A | 3E3-RW510-A-1 | 51.9 | 0.0244 | 0.024368609 |
| 3E3 | 3E3-RW510-B | 3E3-RW510-B-1 | 58.2 | 0.0273 | 0.027327345 |
| 3E3 | 3E3-RW510-C | 3E3-RW510-C-1 | 72.5 | 0.0340 | 0.034044135 |
| 3E3 | 3E3-RW510ABT-D | 3E3-RW510ABT-D-1 | 128 | 0.0601 | 0.060130125 |
| 3E3 | 3E3-RW98-A | 3E3-RW98-A-1 | 302 | 0.1418 | 0.142263428 |

| **Total Lead** | Max TTLC: | 2130.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 13 | | 13 | | | |
| Sample Mean : | 238 | | 0.156 | | | |
| Delta = RT - mean | 112 | | | | | |
| Appropriate Number of Samples: | 48 | | | | | |
| Standard Deviation of Sample: | 574 | | 0.427 | | | |
| Standard Deviation of Mean: | 159 | | 0.118 | | | |
| Sample Variance: | 329250 | | 0.182 | | | |
| t-value for 90%: | 1.356 | Need to Transform Data | 1.356 | | | |
| Upper Confidence Limit* for 90%: | | | 0.316 | | | |
| Reverse Transformation for 90% | | | 662 | mg/kg | 33 | mg/l |
| t-value for 95%: | | | 1.782 | | | |
| Upper Confidence Limit* for 95%: | | | 0.367 | | | |
| Reverse Transformation for 95% | | | 764 | mg/kg | 38 | mg/l |

## TABLE C-57
## LEAD ANALYSES - 3E RETAINGING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-RW496ABT-A | 3E1-RW496ABT-A-2 | 16.7 | 0.0230 | 0.023036520 |
| 3E1 | 3E1-RW496-B | 3E1-RW496-B-2 | 30.5 | 0.0421 | 0.042081384 |
| 3E1 | 3E1-RW496-C | 3E1-RW496-C-2 | 631 | 0.8703 | 1.055902127 |
| 3E1 | 3E1-RW496-D | 3E1-RW496-D-2 | 725 | 1.0000 | 1.570796312 |
| 3E3 | 3E3-RW504ABT-A | 3E3-RW504ABT-A-2 | 24 | 0.0331 | 0.033109497 |
| 3E3 | 3E3-RW504-B | 3E3-RW504-B-2 | 19.9 | 0.0274 | 0.027451724 |
| 3E3 | 3E3-RW504-C | 3E3-RW504-C-2 | 15.4 | 0.0212 | 0.021242977 |
| 3E3 | 3E3-RW504-D | 3E3-RW504-D-2 | 25.4 | 0.0350 | 0.035041654 |
| 3E3 | 3E3-RW510-A | 3E3-RW510-A-2 | 72.5 | 0.1000 | 0.100167421 |
| 3E3 | 3E3-RW510-B | 3E3-RW510-B-2 | 49.1 | 0.0677 | 0.067776015 |
| 3E3 | 3E3-RW510-C | 3E3-RW510-C-2 | 57.3 | 0.0790 | 0.079116996 |
| 3E3 | 3E3-RW510ABT-D | 3E3-RW510ABT-D-2 | 77 | 0.1062 | 0.106407584 |
| 3E3 | 3E3-RW98-A | 3E3-RW98-A-2 | 61.7 | 0.0851 | 0.085206513 |

| **Total Lead** | Max TTLC: | 725.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 13 | | 13 | | | |
| Sample Mean : | 139 | | 0.250 | | | |
| Delta = RT - mean | 211 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 241 | | 0.484 | | | |
| Standard Deviation of Mean: | 67 | | 0.134 | | | |
| Sample Variance: | 58065 | | 0.235 | | | |
| t-value for 90%: | 1.356 | Need to Transform Data | 1.356 | | | |
| Upper Confidence Limit* for 90%: | | | 0.432 | | | |
| Reverse Transformation for 90% | | | 304 | mg/kg | 15 | mg/l |
| t-value for 95%: | | | 1.782 | | | |
| Upper Confidence Limit* for 95%: | | | 0.489 | | | |
| Reverse Transformation for 95% | | | 341 | mg/kg | 17 | mg/l |

## TABLE C-58
## LEAD ANALYSES - 3E RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-RW496-B | 3E1-RW496-B-5 | 5 | 0.0512 | 0.051199439 |
| 3E1 | 3E1-RW496-C | 3E1-RW496-C-5 | 11.6 | 0.1187 | 0.119011551 |
| 3E1 | 3E1-RW496-D | 3E1-RW496-D-5 | 97.7 | 1.0000 | 1.570796312 |
| 3E3 | 3E3-RW510-A | 3E3-RW510-A-5 | 50.3 | 0.5148 | 0.540822579 |
| 3E3 | 3E3-RW-510-B | 3E3-RW-510-B-5 | 59.1 | 0.6049 | 0.649656605 |
| 3E3 | 3E3-RW510-C | 3E3-RW510-C-5 | 26.1 | 0.2671 | 0.270428429 |

| **Total Lead** | Max TTLC: | 97.7 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 6 | | 6 | | | |
| Sample Mean : | 42 | | 0.534 | | | |
| Delta = RT - mean | 308 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 35 | | 0.559 | | | |
| Standard Deviation of Mean: | 14 | | 0.228 | | | |
| Sample Variance: | 1202 | | 0.313 | | | |
| t-value for 90%: | 1.476 | Need to Transform Data | 1.476 | | | |
| Upper Confidence Limit* for 90%: | | | 0.871 | | | |
| Reverse Transformation for 90% | | | 75 | mg/kg | 3.7 | mg/l |
| t-value for 95%: | | | 2.015 | | | |
| Upper Confidence Limit* for 95%: | | | 0.994 | | | |
| Reverse Transformation for 95% | | | 82 | mg/kg | 4.1 | mg/l |

## TABLE C-59
## LEAD ANALYSES - 3E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E1 | 3E1-RW496ABT-A | 3E1-RW496ABT-A-SF | 235 | 0.1103 | 0.110553701 |
| 3E1 | 3E1-RW496-B | 3E1-RW496-B-SF | 1910 | 0.8967 | 1.112287750 |
| 3E1 | 3E1-RW496-C | 3E1-RW496-C-SF | 722 | 0.3390 | 0.345818821 |
| 3E1 | 3E1-RW496-D | 3E1-RW496-D-SF | 1390 | 0.6526 | 0.710987268 |
| 3E3 | 3E3-RW504ABT-A | 3E3-RW504ABT-A-SF | 30.3 | 0.0142 | 0.014225832 |
| 3E3 | 3E3-RW504-B | 3E3-RW504-B-SF | 139 | 0.0653 | 0.065304623 |
| 3E3 | 3E3-RW504-C | 3E3-RW504-C-SF | 19.4 | 0.0091 | 0.009108107 |
| 3E3 | 3E3-RW504-D | 3E3-RW504-D-SF | 12.2 | 0.0057 | 0.005727731 |
| 3E3 | 3E3-RW510-A | 3E3-RW510-A-SF | 53.7 | 0.0252 | 0.025213939 |
| 3E3 | 3E3-RW510-B | 3E3-RW510-B-SF | 72 | 0.0338 | 0.033809258 |
| 3E3 | 3E3-RW510-C | 3E3-RW510-C-SF | 580 | 0.2723 | 0.275783038 |
| 3E3 | 3E3-RW510ABT-D | 3E3-RW510ABT-D-SF | 168 | 0.0789 | 0.078955247 |
| 3E3 | 3E3-RW98-A | 3E3-RW98-A-SF | 51.8 | 0.0243 | 0.024321647 |
| 3E1 | 3E1-RW496ABT-A | 3E1-RW496ABT-A-1 | 42.5 | 0.0200 | 0.019954376 |
| 3E1 | 3E1-RW496-B | 3E1-RW496-B-1 | 151 | 0.0709 | 0.070951534 |
| 3E1 | 3E1-RW496-C | 3E1-RW496-C-1 | 27.9 | 0.0131 | 0.013098966 |
| 3E1 | 3E1-RW496-D | 3E1-RW496-D-1 | 2130 | 1.0000 | 1.570796327 |
| 3E3 | 3E3-RW504ABT-A | 3E3-RW504ABT-A-1 | 20.6 | 0.0097 | 0.009671512 |
| 3E3 | 3E3-RW504-B | 3E3-RW504-B-1 | 20.3 | 0.0095 | 0.009530661 |
| 3E3 | 3E3-RW504-C | 3E3-RW504-C-1 | 77.8 | 0.0365 | 0.036533948 |
| 3E3 | 3E3-RW504-D | 3E3-RW504-D-1 | 13.2 | 0.0062 | 0.006197223 |
| 3E3 | 3E3-RW510-A | 3E3-RW510-A-1 | 51.9 | 0.0244 | 0.024368609 |
| 3E3 | 3E3-RW510-B | 3E3-RW510-B-1 | 58.2 | 0.0273 | 0.027327345 |
| 3E3 | 3E3-RW510-C | 3E3-RW510-C-1 | 72.5 | 0.0340 | 0.034044135 |
| 3E3 | 3E3-RW510ABT-D | 3E3-RW510ABT-D-1 | 128 | 0.0601 | 0.060130125 |
| 3E3 | 3E3-RW98-A | 3E3-RW98-A-1 | 302 | 0.1418 | 0.142263428 |
| 3E1 | 3E1-RW496ABT-A | 3E1-RW496ABT-A-2 | 16.7 | 0.0078 | 0.007840456 |
| 3E1 | 3E1-RW496-B | 3E1-RW496-B-2 | 30.5 | 0.0143 | 0.014319738 |
| 3E1 | 3E1-RW496-C | 3E1-RW496-C-2 | 631 | 0.2962 | 0.300757858 |
| 3E1 | 3E1-RW496-D | 3E1-RW496-D-2 | 725 | 0.3404 | 0.347316306 |
| 3E3 | 3E3-RW504ABT-A | 3E3-RW504ABT-A-2 | 24 | 0.0113 | 0.011267844 |
| 3E3 | 3E3-RW504-B | 3E3-RW504-B-2 | 19.9 | 0.0093 | 0.009342859 |

## TABLE C-59
## LEAD ANALYSES - 3E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3E3 | 3E3-RW504-C | 3E3-RW504-C-2 | 15.4 | 0.0072 | 0.007230110 |
| 3E3 | 3E3-RW504-D | 3E3-RW504-D-2 | 25.4 | 0.0119 | 0.011925165 |
| 3E3 | 3E3-RW510-A | 3E3-RW510-A-2 | 72.5 | 0.0340 | 0.034044135 |
| 3E3 | 3E3-RW510-B | 3E3-RW510-B-2 | 49.1 | 0.0231 | 0.023053685 |
| 3E3 | 3E3-RW510-C | 3E3-RW510-C-2 | 57.3 | 0.0269 | 0.026904654 |
| 3E3 | 3E3-RW510ABT-D | 3E3-RW510ABT-D-2 | 77 | 0.0362 | 0.036158113 |
| 3E3 | 3E3-RW98-A | 3E3-RW98-A-2 | 61.7 | 0.0290 | 0.028971189 |
| 3E1 | 3E1-RW496-B | 3E1-RW496-B-5 | 5 | 0.0023 | 0.002347420 |
| 3E1 | 3E1-RW496-C | 3E1-RW496-C-5 | 11.6 | 0.0054 | 0.005446036 |
| 3E1 | 3E1-RW496-D | 3E1-RW496-D-5 | 97.7 | 0.0459 | 0.045884644 |
| 3E3 | 3E3-RW510-A | 3E3-RW510-A-5 | 50.3 | 0.0236 | 0.023617219 |
| 3E3 | 3E3-RW-510-B | 3E3-RW-510-B-5 | 59.1 | 0.0277 | 0.027750040 |
| 3E3 | 3E3-RW510-C | 3E3-RW510-C-5 | 26.1 | 0.0123 | 0.012253828 |

| **Total Lead** | Max TTLC: | 2130.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 45 | | 45 | | | |
| Sample Mean : | 234 | | 0.129 | | | |
| Delta = RT - mean | 116 | | | | | |
| Appropriate Number of Samples: | 28 | | | | | |
| Standard Deviation of Sample: | 470 | | 0.299 | | | |
| Standard Deviation of Mean: | 70 | | 0.045 | | | |
| Sample Variance: | 221338 | | 0.089 | | | |
| t-value for 90%: | 1.302 | Need to Transform Data | 1.302 | | | |
| Upper Confidence Limit* for 90%: | | | 0.187 | | | |
| Reverse Transformation for 90% | | | 396 | mg/kg | 20 | mg/l |
| t-value for 95%: | | | 1.681 | | | |
| Upper Confidence Limit* for 95%: | | | 0.204 | | | |
| Reverse Transformation for 95% | | | 432 | mg/kg | 22 | mg/l |

# TABLE C-60
## LEAD ANALYSES - 4E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-RW20-A | 4E1-RW20-A-SF | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW516ABT-A | 4E1-RW516ABT-A-SF | 36.9 | 0.0856 | 0.085719787 |
| 4E1 | 4E1-RW516-B | 4E1-RW516-B-SF | 34.9 | 0.0810 | 0.081063230 |
| 4E1 | 4E1-RW516-C | 4E1-RW516-C-SF | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW516-D | 4E1-RW516-D-SF | 40.5 | 0.0940 | 0.094106357 |
| 4E2 | 4E2-RW524-B | 4E2-RW524-B-SF | 40.8 | 0.0947 | 0.094805529 |
| 4E2 | 4E2-RW524-C | 4E2-RW524-C-SF | 33.1 | 0.0768 | 0.076873837 |
| 4E2 | 4E2-RW524-D | 4E2-RW524-D-SF | 431 | 1.0000 | 1.570796327 |
| 4E1 | 4E1-RW20-B | 4E1-RW20-B-SF | 27 | 0.0626 | 0.062686058 |
| 4E1 | 4E1-RW20-C | 4E1-RW20-C-SF | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW20-D | 4E1-RW20-D-SF | 35.4 | 0.0821 | 0.082227200 |

| **Total Lead** | Max TTLC: | 431.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 11 | | 11 | | | |
| Sample Mean : | 63 | | 0.253 | | | |
| Delta = RT - mean | 287 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 143 | | 0.533 | | | |
| Standard Deviation of Mean: | 43 | | 0.161 | | | |
| Sample Variance: | 20517 | | 0.285 | | | |
| t-value for 90%: | 1.372 | Need to Transform Data | 1.372 | | | |
| Upper Confidence Limit* for 90%: | | | 0.474 | | | |
| Reverse Transformation for 90% | | | 197 | mg/kg | 10 | mg/l |
| t-value for 95%: | | | 1.812 | | | |
| Upper Confidence Limit* for 95%: | | | 0.545 | | | |
| Reverse Transformation for 95% | | | 223 | mg/kg | 11 | mg/l |

# TABLE C-61
## LEAD ANALYSES - 4E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-RW20-A | 4E1-RW20-A-1 | 5 | 0.0949 | 0.095019580 |
| 4E1 | 4E1-RW516A | 4E1-RW516ABT-A-1 | 5 | 0.0949 | 0.095019580 |
| 4E1 | 4E1-RW516-B | 4E1-RW516-B-1 | 32.8 | 0.6224 | 0.671793653 |
| 4E1 | 4E1-RW516-C | 4E1-RW516-C-1 | 52.7 | 1.0000 | 1.570796327 |
| 4E1 | 4E1-RW516-D | 4E1-RW516-D-1 | 34.7 | 0.6584 | 0.718749499 |
| 4E2 | 4E2-RW524-B | 4E2-RW524-B-1 | 22.6 | 0.4288 | 0.443211092 |
| 4E2 | 4E2-RW524-C | 4E2-RW524-C-1 | 46.3 | 0.8786 | 1.072834467 |
| 4E2 | 4E2-RW524-D | 4E2-RW524-D-1 | 45.5 | 0.8634 | 1.041926004 |
| 4E1 | 4E1-RW20-B | 4E1-RW20-B-1 | 13.7 | 0.2600 | 0.262982901 |
| 4E1 | 4E1-RW20-C | 4E1-RW20-C-1 | 5 | 0.0949 | 0.095019580 |
| 4E1 | 4E1-RW20-D | 4E1-RW20-D-1 | 5 | 0.0949 | 0.095019580 |

| **Total Lead** | Max TTLC: | 52.7 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 11 | | 11 | | | |
| Sample Mean : | 24 | | 0.714 | | | |
| Delta = RT - mean | 326 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 18 | | 0.509 | | | |
| Standard Deviation of Mean: | 6 | | 0.153 | | | |
| Sample Variance: | 336 | | 0.259 | | | |
| t-value for 90%: | 1.372 | Need to Transform Data | 1.372 | | | |
| Upper Confidence Limit* for 90%: | | | 0.924 | | | |
| Reverse Transformation for 90% | | | 42 | mg/kg | 2.1 | mg/l |
| t-value for 95%: | | | 1.812 | | | |
| Upper Confidence Limit* for 95%: | | | 0.992 | | | |
| Reverse Transformation for 95% | | | 44 | mg/kg | 2.2 | mg/l |

# TABLE C-62
## LEAD ANALYSES - 4E RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-RW20-A | 4E1-RW20-A-2 | 5 | 0.0279 | 0.027936595 |
| 4E1 | 4E1-RW516ABT-A | 4E1-RW516ABT-A-2 | 20.8 | 0.1162 | 0.116464224 |
| 4E1 | 4E1-RW516-B | 4E1-RW516-B-2 | 83.5 | 0.4665 | 0.485307581 |
| 4E1 | 4E1-RW516-C | 4E1-RW516-C-2 | 179 | 1.0000 | 1.570796327 |
| 4E1 | 4E1-RW516-D | 4E1-RW516-D-2 | 27.9 | 0.1559 | 0.156504029 |
| 4E2 | 4E2-RW524-B | 4E2-RW524-B-2 | 37.2 | 0.2078 | 0.209347028 |
| 4E2 | 4E2-RW524-C | 4E2-RW524-C-2 | 39 | 0.2179 | 0.219638780 |
| 4E2 | 4E2-RW524-D | 4E2-RW524-D-2 | 5 | 0.0279 | 0.027936595 |
| 4E1 | 4E1-RW20-B | 4E1-RW20-B-2 | 5 | 0.0279 | 0.027936595 |
| 4E1 | 4E1-RW20-C | 4E1-RW20-C-2 | 5 | 0.0279 | 0.027936595 |
| 4E1 | 4E1-RW20-D | 4E1-RW20-D-2 | 13.3 | 0.0743 | 0.074370213 |

| **Total Lead** | Max TTLC: | 179.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 11 | | 11 | | | |
| Sample Mean : | 38 | | 0.352 | | | |
| Delta = RT - mean | 312 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 58 | | 0.513 | | | |
| Standard Deviation of Mean: | 17 | | 0.155 | | | |
| Sample Variance: | 3348 | | 0.264 | | | |
| t-value for 90%: | 1.372 | Need to Transform Data | 1.372 | | | |
| Upper Confidence Limit* for 90%: | | | 0.564 | | | |
| Reverse Transformation for 90% | | | 96 | mg/kg | 4.8 | mg/l |
| t-value for 95%: | | | 1.812 | | | |
| Upper Confidence Limit* for 95%: | | | 0.632 | | | |
| Reverse Transformation for 95% | | | 106 | mg/kg | 5.3 | mg/l |

## TABLE C-63
## LEAD ANALYSES - 4E RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-RW20-A | 4E1-RW20-A-5 | 5 | 0.3817 | 0.391612558 |
| 4E1 | 4E1-RW516-D | 4E1-RW516-D-5 | 5 | 0.3817 | 0.391612558 |
| 4E1 | 4E1-RW88-C | 4E1-RW88-C-5 | 13.1 | 1.0000 | 1.570796327 |
| 4E1 | 4E1-RW20-B | 4E1-RW20-B-5 | 5 | 0.3817 | 0.391612558 |
| 4E1 | 4E1-RW20-C | 4E1-RW20-C-5 | 5 | 0.3817 | 0.391612558 |
| 4E1 | 4E1-RW20-D | 4E1-RW20-D-5 | 5 | 0.3817 | 0.391612558 |

| **Total Lead** | Max TTLC: | 13.1 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 6 | | 6 | | | |
| Sample Mean : | 6 | | 0.785 | | | |
| Delta = RT - mean | 344 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 5 | | 0.681 | | | |
| Standard Deviation of Mean: | 2 | | 0.278 | | | |
| Sample Variance: | 22 | | 0.463 | | | |
| t-value for 90%: | 1.476 | Need to Transform Data | 1.476 | | | |
| Upper Confidence Limit* for 90%: | | | 1.195 | | | |
| Reverse Transformation for 90% | | | 12 | mg/kg | 0.60 | mg/l |
| t-value for 95%: | | | 2.015 | | | |
| Upper Confidence Limit* for 95%: | | | 1.345 | | | |
| Reverse Transformation for 95% | | | 13 | mg/kg | 0.65 | mg/l |

## TABLE C-64
## LEAD ANALYSES - 4E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-RW20-A | 4E1-RW20-A-SF | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW516ABT-A | 4E1-RW516ABT-A-SF | 36.9 | 0.0856 | 0.085719787 |
| 4E1 | 4E1-RW516-B | 4E1-RW516-B-SF | 34.9 | 0.0810 | 0.081063230 |
| 4E1 | 4E1-RW516-C | 4E1-RW516-C-SF | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW516-D | 4E1-RW516-D-SF | 40.5 | 0.0940 | 0.094106357 |
| 4E2 | 4E2-RW524-B | 4E2-RW524-B-SF | 40.8 | 0.0947 | 0.094805529 |
| 4E2 | 4E2-RW524-C | 4E2-RW524-C-SF | 33.1 | 0.0768 | 0.076873837 |
| 4E2 | 4E2-RW524-D | 4E2-RW524-D-SF | 431 | 1.0000 | 1.570796327 |
| 4E1 | 4E1-RW20-B | 4E1-RW20-B-SF | 27 | 0.0626 | 0.062686058 |
| 4E1 | 4E1-RW20-C | 4E1-RW20-C-SF | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW20-D | 4E1-RW20-D-SF | 35.4 | 0.0821 | 0.082227200 |
| 4E1 | 4E1-RW20-A | 4E1-RW20-A-1 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW516A | 4E1-RW516ABT-A-1 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW516-B | 4E1-RW516-B-1 | 32.8 | 0.0761 | 0.076175738 |
| 4E1 | 4E1-RW516-C | 4E1-RW516-C-1 | 52.7 | 0.1223 | 0.122580534 |
| 4E1 | 4E1-RW516-D | 4E1-RW516-D-1 | 34.7 | 0.0805 | 0.080597673 |
| 4E2 | 4E2-RW524-B | 4E2-RW524-B-1 | 22.6 | 0.0524 | 0.052460254 |
| 4E2 | 4E2-RW524-C | 4E2-RW524-C-1 | 46.3 | 0.1074 | 0.107632288 |
| 4E2 | 4E2-RW524-D | 4E2-RW524-D-1 | 45.5 | 0.1056 | 0.105765524 |
| 4E1 | 4E1-RW20-B | 4E1-RW20-B-1 | 13.7 | 0.0318 | 0.031791898 |
| 4E1 | 4E1-RW20-C | 4E1-RW20-C-1 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW20-D | 4E1-RW20-D-1 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW20-A | 4E1-RW20-A-2 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW516ABT-A | 4E1-RW516ABT-A-2 | 20.8 | 0.0483 | 0.048278613 |
| 4E1 | 4E1-RW516-B | 4E1-RW516-B-2 | 83.5 | 0.1937 | 0.194968364 |
| 4E1 | 4E1-RW516-C | 4E1-RW516-C-2 | 179 | 0.4153 | 0.428287101 |
| 4E1 | 4E1-RW516-D | 4E1-RW516-D-2 | 27.9 | 0.0647 | 0.064778474 |
| 4E2 | 4E2-RW524-B | 4E2-RW524-B-2 | 37.2 | 0.0863 | 0.086418429 |
| 4E2 | 4E2-RW524-C | 4E2-RW524-C-2 | 39 | 0.0905 | 0.090611180 |
| 4E2 | 4E2-RW524-D | 4E2-RW524-D-2 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW20-B | 4E1-RW20-B-2 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW20-C | 4E1-RW20-C-2 | 5 | 0.0116 | 0.011601188 |

## TABLE C-64
## LEAD ANALYSES - 4E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 4E1 | 4E1-RW20-D | 4E1-RW20-D-2 | 13.3 | 0.0309 | 0.030863368 |
| 4E1 | 4E1-RW20-A | 4E1-RW20-A-5 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW516-D | 4E1-RW516-D-5 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW88-C | 4E1-RW88-C-5 | 13.1 | 0.0304 | 0.030399113 |
| 4E1 | 4E1-RW20-B | 4E1-RW20-B-5 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW20-C | 4E1-RW20-C-5 | 5 | 0.0116 | 0.011601188 |
| 4E1 | 4E1-RW20-D | 4E1-RW20-D-5 | 5 | 0.0116 | 0.011601188 |

| **Total Lead** | Max TTLC: | 431.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 39 | | 39 | | | |
| Sample Mean : | 36 | | 0.100 | | | |
| Delta = RT - mean | 314 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 72 | | 0.253 | | | |
| Standard Deviation of Mean: | 12 | | 0.040 | | | |
| Sample Variance: | 5177 | | 0.064 | | | |
| t-value for 90%: | 1.304 | Need to Transform Data | 1.304 | | | |
| Upper Confidence Limit* for 90%: | | | 0.152 | | | |
| Reverse Transformation for 90% | | | 65 | mg/kg | 3 | mg/l |
| t-value for 95%: | | | 1.687 | | | |
| Upper Confidence Limit* for 95%: | | | 0.168 | | | |
| Reverse Transformation for 95% | | | 72 | mg/kg | 4 | mg/l |

## TABLE C-65
## LEAD ANALYSES - 5E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E1 | 5E1-RW530ABT-A | 5E1-RW530ABT-A-SF | 456 | 0.4000 | 0.411516846 |
| 5E1 | 5E1-RW530-B | 5E1-RW530-B-SF | 1140 | 1.0000 | 1.570796327 |
| 5E1 | 5E1-RW530-C | 5E1-RW530-C-SF | 808 | 0.7088 | 0.787755821 |
| 5E1 | 5E1-RW530ABT-D | 5E1-RW530ABT-D-SF | 115 | 0.1009 | 0.101049072 |

| **Total Lead** | Max TTLC: | 1140.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 630 | | 0.718 | | | |
| Delta = RT - mean | -280 | | | | | |
| Appropriate Number of Samples: | 7 | | | | | |
| Standard Deviation of Sample: | 442 | | 0.634 | | | |
| Standard Deviation of Mean: | 221 | | 0.317 | | | |
| Sample Variance: | 195762 | | 0.402 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.237 | | | |
| Reverse Transformation for 90% | | | 1077 | mg/kg | 48 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.464 | | | |
| Reverse Transformation for 95% | | | 1133 | mg/kg | 51 | mg/l |

## TABLE C-66
## LEAD ANALYSES - 5E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E1 | 5E1-RW530ABT-A | 5E1-RW530ABT-A-1 | 134 | 0.1218 | 0.122121502 |
| 5E1 | 5E1-RW530-B | 5E1-RW530-B-1 | 1100 | 1.0000 | 1.570796327 |
| 5E1 | 5E1-RW530-C | 5E1-RW530-C-1 | 21 | 0.0191 | 0.019092069 |
| 5E1 | 5E1-RW530ABT-D | 5E1-RW530ABT-D-1 | 5 | 0.0045 | 0.004545470 |

| **Total Lead** | Max TTLC: | 1100.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 315 | | 0.429 | | | |
| Delta = RT - mean | 35 | | | | | |
| Appropriate Number of Samples: | 607 | | | | | |
| Standard Deviation of Sample: | 526 | | 0.763 | | | |
| Standard Deviation of Mean: | 263 | | 0.381 | | | |
| Sample Variance: | 277174 | | 0.582 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.054 | | | |
| Reverse Transformation for 90% | | | 956 | mg/kg | 43 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.327 | | | |
| Reverse Transformation for 95% | | | 1067 | mg/kg | 48 | mg/l |

# TABLE C-67
## LEAD ANALYSES - 5E RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E1 | 5E1-RW530ABT-A | 5E1-RW530ABT-A-2 | 5 | 0.0199 | 0.019921636 |
| 5E1 | 5E1-RW530-B | 5E1-RW530-B-2 | 251 | 1.0000 | 1.570796327 |
| 5E1 | 5E1-RW530-C | 5E1-RW530-C-2 | 5 | 0.0199 | 0.019921636 |
| 5E1 | 5E1-RW530ABT-D | 5E1-RW530ABT-D-2 | 5 | 0.0199 | 0.019921636 |

| **Total Lead** | Max TTLC: | 251.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 67 | | 0.408 | | | |
| Delta = RT - mean | 284 | | | | | |
| Appropriate Number of Samples: | 1 | | | | | |
| Standard Deviation of Sample: | 123 | | 0.775 | | | |
| Standard Deviation of Mean: | 62 | | 0.388 | | | |
| Sample Variance: | 15129 | | 0.601 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.043 | | | |
| Reverse Transformation for 90% | | | 217 | mg/kg | 10 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.320 | | | |
| Reverse Transformation for 95% | | | 243 | mg/kg | 11 | mg/l |

## TABLE C-68
## LEAD ANALYSES - 5E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 5E1 | 5E1-RW530ABT-A | 5E1-RW530ABT-A-SF | 456 | 0.4000 | 0.411516846 |
| 5E1 | 5E1-RW530-B | 5E1-RW530-B-SF | 1140 | 1.0000 | 1.570796327 |
| 5E1 | 5E1-RW530-C | 5E1-RW530-C-SF | 808 | 0.7088 | 0.787755821 |
| 5E1 | 5E1-RW530ABT-D | 5E1-RW530ABT-D-SF | 115 | 0.1009 | 0.101049072 |
| 5E1 | 5E1-RW530ABT-A | 5E1-RW530ABT-A-1 | 134 | 0.1175 | 0.117816232 |
| 5E1 | 5E1-RW530-B | 5E1-RW530-B-1 | 1100 | 0.9649 | 1.305109095 |
| 5E1 | 5E1-RW530-C | 5E1-RW530-C-1 | 21 | 0.0184 | 0.018422095 |
| 5E1 | 5E1-RW530ABT-D | 5E1-RW530ABT-D-1 | 5 | 0.0044 | 0.004385979 |
| 5E1 | 5E1-RW530ABT-A | 5E1-RW530ABT-A-2 | 5 | 0.0044 | 0.004385979 |
| 5E1 | 5E1-RW530-B | 5E1-RW530-B-2 | 251 | 0.2202 | 0.221994319 |
| 5E1 | 5E1-RW530-C | 5E1-RW530-C-2 | 5 | 0.0044 | 0.004385979 |
| 5E1 | 5E1-RW530ABT-D | 5E1-RW530ABT-D-2 | 5 | 0.0044 | 0.004385979 |

| **Total Lead** | Max TTLC: | 1140.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 12 | | 12 | | | |
| Sample Mean : | 337 | | 0.379 | | | |
| Delta = RT - mean | 13 | | | | | |
| Appropriate Number of Samples: | 2127 | | | | | |
| Standard Deviation of Sample: | 437 | | 0.548 | | | |
| Standard Deviation of Mean: | 126 | | 0.158 | | | |
| Sample Variance: | 191056 | | 0.301 | | | |
| t-value for 90%: | 1.363 | Need to Transform Data | 1.363 | | | |
| Upper Confidence Limit* for 90%: | | | 0.595 | | | |
| Reverse Transformation for 90% | | | 639 | mg/kg | 29 | mg/l |
| t-value for 95%: | | | 1.796 | | | |
| Upper Confidence Limit* for 95%: | | | 0.664 | | | |
| Reverse Transformation for 95% | | | 702 | mg/kg | 32 | mg/l |

## TABLE C-69
## LEAD ANALYSES - 6E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-RW544ABT-A | 6E1-RW544ABT-A-SF | 249 | 0.4129 | 0.425674654 |
| 6E1 | 6E1-RW544-B | 6E1-RW544-B-SF | 603 | 1.0000 | 1.570796327 |
| 6E1 | 6E1-RW544-C | 6E1-RW544-C-SF | 307 | 0.5091 | 0.534163285 |
| 6E1 | 6E1-RW544-D | 6E1-RW544-D-SF | 367 | 0.6086 | 0.654324687 |
| 6E1 | 6E1-RW552-A | 6E1-RW552-A-SF | 42.5 | 0.0705 | 0.070539413 |
| 6E1 | 6E1-RW552-B | 6E1-RW552-B-SF | 47.3 | 0.0784 | 0.078521793 |
| 6E1 | 6E1-RW552-C | 6E1-RW552-C-SF | 120 | 0.1990 | 0.200342483 |
| 6E1 | 6E1-RW552-D | 6E1-RW552-D-SF | 433 | 0.7181 | 0.801034263 |

| **Total Lead** | Max TTLC: | 603.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 8 | | 8 | | | |
| Sample Mean : | 271 | | 0.542 | | | |
| Delta = RT - mean | 79 | | | | | |
| Appropriate Number of Samples: | 13 | | | | | |
| Standard Deviation of Sample: | 197 | | 0.494 | | | |
| Standard Deviation of Mean: | 70 | | 0.175 | | | |
| Sample Variance: | 38931 | | 0.244 | | | |
| t-value for 90%: | 1.415 | Need to Transform Data | 1.415 | | | |
| Upper Confidence Limit* for 90%: | | | 0.789 | | | |
| Reverse Transformation for 90% | | | 428 | mg/kg | 23 | mg/l |
| t-value for 95%: | | | 1.895 | | | |
| Upper Confidence Limit* for 95%: | | | 0.873 | | | |
| Reverse Transformation for 95% | | | 462 | mg/kg | 25 | mg/l |

## TABLE C-70
## LEAD ANALYSES - 6E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-RW544ABT-A | 6E1-RW544ABT-A-1 | 363 | 0.4251 | 0.439026567 |
| 6E1 | 6E1-RW544-B | 6E1-RW544-B-1 | 854 | 1.0000 | 1.570796327 |
| 6E1 | 6E1-RW544-C | 6E1-RW544-C-1 | 270 | 0.3162 | 0.321678334 |
| 6E1 | 6E1-RW544-D | 6E1-RW544-D-1 | 75.1 | 0.0879 | 0.088052849 |
| 6E1 | 6E1-RW552-A | 6E1-RW552-A-1 | 65.6 | 0.0768 | 0.076890731 |
| 6E1 | 6E1-RW552-B | 6E1-RW552-B-1 | 45.2 | 0.0529 | 0.052952143 |
| 6E1 | 6E1-RW552-C | 6E1-RW552-C-1 | 33.2 | 0.0389 | 0.038885677 |
| 6E1 | 6E1-RW552-D | 6E1-RW552-D-1 | 23.7 | 0.0278 | 0.027755320 |

| **Total Lead** | Max TTLC: | 854.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 8 | | 8 | | | |
| Sample Mean : | 216 | | 0.327 | | | |
| Delta = RT - mean | 134 | | | | | |
| Appropriate Number of Samples: | 9 | | | | | |
| Standard Deviation of Sample: | 286 | | 0.525 | | | |
| Standard Deviation of Mean: | 101 | | 0.185 | | | |
| Sample Variance: | 81944 | | 0.275 | | | |
| t-value for 90%: | 1.415 | Need to Transform Data | 1.415 | | | |
| Upper Confidence Limit* for 90%: | | | 0.589 | | | |
| Reverse Transformation for 90% | | | 475 | mg/kg | 25 | mg/l |
| t-value for 95%: | | | 1.895 | | | |
| Upper Confidence Limit* for 95%: | | | 0.679 | | | |
| Reverse Transformation for 95% | | | 536 | mg/kg | 29 | mg/l |

# TABLE C-71
## LEAD ANALYSES - 6E RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-RW544ABT-A | 6E1-RW544ABT-A-2 | 247 | 1.0000 | 1.570796327 |
| 6E1 | 6E1-RW544-B | 6E1-RW544-B-2 | 177 | 0.7166 | 0.798914209 |
| 6E1 | 6E1-RW544-C | 6E1-RW544-C-2 | 5 | 0.0202 | 0.020244298 |
| 6E1 | 6E1-RW544-D | 6E1-RW544-D-2 | 10.4 | 0.0421 | 0.042117714 |
| 6E1 | 6E1-RW552-A | 6E1-RW552-A-2 | 101 | 0.4089 | 0.421255903 |
| 6E1 | 6E1-RW552-B | 6E1-RW552-B-2 | 34.1 | 0.1381 | 0.138499037 |
| 6E1 | 6E1-RW552-C | 6E1-RW552-C-2 | 12 | 0.0486 | 0.048602128 |
| 6E1 | 6E1-RW552-D | 6E1-RW552-D-2 | 5 | 0.0202 | 0.020244298 |

| **Total Lead** | Max TTLC: | 247.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 8 | | 8 | | | |
| Sample Mean : | 74 | | 0.383 | | | |
| Delta = RT - mean | 276 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 93 | | 0.552 | | | |
| Standard Deviation of Mean: | 33 | | 0.195 | | | |
| Sample Variance: | 8610 | | 0.305 | | | |
| t-value for 90%: | 1.415 | Need to Transform Data | 1.415 | | | |
| Upper Confidence Limit* for 90%: | | | 0.659 | | | |
| Reverse Transformation for 90% | | | 151 | mg/kg | 8 | mg/l |
| t-value for 95%: | | | 1.895 | | | |
| Upper Confidence Limit* for 95%: | | | 0.753 | | | |
| Reverse Transformation for 95% | | | 169 | mg/kg | 9 | mg/l |

## TABLE C-72
## LEAD ANALYSES - 6E RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-RW552-A | 6E1-RW552-A-5 | 41.8 | 0.1152 | 0.115407528 |
| 6E1 | 6E1-RW552-B | 6E1-RW552-B-5 | 37.4 | 0.1030 | 0.103213461 |
| 6E1 | 6E1-RW552-C | 6E1-RW552-C-5 | 30.3 | 0.0835 | 0.083568309 |
| 6E1 | 6E1-RW552-D | 6E1-RW552-D-5 | 27.9 | 0.0769 | 0.076935379 |
| 6E1 | 6E1-RW544ABT-A | 6E1-RW544ABT-A-4.5 | 363 | 1.0000 | 1.570796327 |
| 6E1 | 6E1-RW544-B | 6E1-RW544-B-4 | 120 | 0.3306 | 0.336916484 |

| **Total Lead** | Max TTLC: | 363.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 6 | | 6 | | | |
| Sample Mean : | 103 | | 0.381 | | | |
| Delta = RT - mean | 247 | | | | | |
| Appropriate Number of Samples: | 1 | | | | | |
| Standard Deviation of Sample: | 132 | | 0.591 | | | |
| Standard Deviation of Mean: | 54 | | 0.241 | | | |
| Sample Variance: | 17372 | | 0.349 | | | |
| t-value for 90%: | 1.476 | Need to Transform Data | 1.476 | | | |
| Upper Confidence Limit* for 90%: | | | 0.737 | | | |
| Reverse Transformation for 90% | | | 244 | mg/kg | 13 | mg/l |
| t-value for 95%: | | | 2.015 | | | |
| Upper Confidence Limit* for 95%: | | | 0.867 | | | |
| Reverse Transformation for 95% | | | 277 | mg/kg | 15 | mg/l |

## TABLE C-73
## LEAD ANALYSES - 6E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-RW544ABT-A | 6E1-RW544ABT-A-SF | 249 | 0.2916 | 0.295866789 |
| 6E1 | 6E1-RW544-B | 6E1-RW544-B-SF | 603 | 0.7061 | 0.783959827 |
| 6E1 | 6E1-RW544-C | 6E1-RW544-C-SF | 307 | 0.3595 | 0.367715703 |
| 6E1 | 6E1-RW544-D | 6E1-RW544-D-SF | 367 | 0.4297 | 0.444207458 |
| 6E1 | 6E1-RW552-A | 6E1-RW552-A-SF | 42.5 | 0.0498 | 0.049786373 |
| 6E1 | 6E1-RW552-B | 6E1-RW552-B-SF | 47.3 | 0.0554 | 0.055414774 |
| 6E1 | 6E1-RW552-C | 6E1-RW552-C-SF | 120 | 0.1405 | 0.140981781 |
| 6E1 | 6E1-RW552-D | 6E1-RW552-D-SF | 433 | 0.5070 | 0.531730604 |
| 6E1 | 6E1-RW544ABT-A | 6E1-RW544ABT-A-1 | 363 | 0.4251 | 0.439026567 |
| 6E1 | 6E1-RW544-B | 6E1-RW544-B-1 | 854 | 1.0000 | 1.570796327 |
| 6E1 | 6E1-RW544-C | 6E1-RW544-C-1 | 270 | 0.3162 | 0.321678334 |
| 6E1 | 6E1-RW544-D | 6E1-RW544-D-1 | 75.1 | 0.0879 | 0.088052849 |
| 6E1 | 6E1-RW552-A | 6E1-RW552-A-1 | 65.6 | 0.0768 | 0.076890731 |
| 6E1 | 6E1-RW552-B | 6E1-RW552-B-1 | 45.2 | 0.0529 | 0.052952143 |
| 6E1 | 6E1-RW552-C | 6E1-RW552-C-1 | 33.2 | 0.0389 | 0.038885677 |
| 6E1 | 6E1-RW552-D | 6E1-RW552-D-1 | 23.7 | 0.0278 | 0.027755320 |
| 6E1 | 6E1-RW544ABT-A | 6E1-RW544ABT-A-2 | 247 | 0.2892 | 0.293419400 |
| 6E1 | 6E1-RW544-B | 6E1-RW544-B-2 | 177 | 0.2073 | 0.208773260 |
| 6E1 | 6E1-RW544-C | 6E1-RW544-C-2 | 5 | 0.0059 | 0.005854834 |
| 6E1 | 6E1-RW544-D | 6E1-RW544-D-2 | 10.4 | 0.0122 | 0.012178287 |
| 6E1 | 6E1-RW552-A | 6E1-RW552-A-2 | 101 | 0.1183 | 0.118544430 |
| 6E1 | 6E1-RW552-B | 6E1-RW552-B-2 | 34.1 | 0.0399 | 0.039940361 |
| 6E1 | 6E1-RW552-C | 6E1-RW552-C-2 | 12 | 0.0141 | 0.014051985 |
| 6E1 | 6E1-RW552-D | 6E1-RW552-D-2 | 5 | 0.0059 | 0.005854834 |
| 6E1 | 6E1-RW552-A | 6E1-RW552-A-5 | 41.8 | 0.0489 | 0.048965701 |
| 6E1 | 6E1-RW552-B | 6E1-RW552-B-5 | 37.4 | 0.0438 | 0.043807922 |
| 6E1 | 6E1-RW552-C | 6E1-RW552-C-5 | 30.3 | 0.0355 | 0.035487542 |

## TABLE C-73
## LEAD ANALYSES - 6E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 6E1 | 6E1-RW552-D | 6E1-RW552-D-5 | 27.9 | 0.0327 | 0.032675604 |
| 6E1 | 6E1-RW544ABT-A | 6E1-RW544ABT-A-4.5 | 363 | 0.4251 | 0.439026567 |
| 6E1 | 6E1-RW544-B | 6E1-RW544-B-4 | 120 | 0.1405 | 0.140981781 |

| **Total Lead** | Max TTLC: | 854.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 30 | | 30 | | | |
| Sample Mean : | 170 | | 0.224 | | | |
| Delta = RT - mean | 180 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 203 | | 0.321 | | | |
| Standard Deviation of Mean: | 37 | | 0.059 | | | |
| Sample Variance: | 41123 | | 0.103 | | | |
| t-value for 90%: | 1.311 | Need to Transform Data | 1.311 | | | |
| Upper Confidence Limit* for 90%: | | | 0.301 | | | |
| Reverse Transformation for 90% | | | 253 | mg/kg | 13 | mg/l |
| t-value for 95%: | | | 1.699 | | | |
| Upper Confidence Limit* for 95%: | | | 0.324 | | | |
| Reverse Transformation for 95% | | | 272 | mg/kg | 14 | mg/l |

# TABLE C-74
## LEAD ANALYSES - 7E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-RW556ABT-A | 7E1-RW556ABT-A-SF | 83 | 0.1034 | 0.103547332 |
| 7E1 | 7E1-RW556-B | 7E1-RW556-B-SF | 68.4 | 0.0852 | 0.085283919 |
| 7E1 | 7E1-RW556-C | 7E1-RW556-C-SF | 67.9 | 0.0846 | 0.084658999 |
| 7E1 | 7E1-RW556-D | 7E1-RW556-D-SF | 93.6 | 0.1166 | 0.116828471 |
| 7E1 | 7E1-SW560ABT-A | 7E1-SW560ABT-A-SF | 5 | 0.0062 | 0.006226690 |
| 7E1 | 7E1-SW560-B | 7E1-SW560-B-SF | 50.7 | 0.0631 | 0.063180256 |
| 7E1 | 7E1-SW560-C | 7E1-SW560-C-SF | 803 | 1.0000 | 1.570796327 |
| 7E1 | 7E1-SW560-D | 7E1-SW560-D-SF | 5 | 0.0062 | 0.006226690 |
| 7E3 | 7E3-RW570ABT-A | 7E3-RW570ABT-A-SF | 76.9 | 0.0958 | 0.095912865 |
| 7E3 | 7E3-RW570-B | 7E3-RW570-B-SF | 42.8 | 0.0533 | 0.053325394 |
| 7E3 | 7E3-RW570-C | 7E3-RW570-C-SF | 38.3 | 0.0477 | 0.047714242 |
| 7E3 | 7E3-RW570-D | 7E3-RW570-D-SF | 67.9 | 0.0846 | 0.084658999 |
| 7E3 | 7E3-RW586-A | 7E3-RW586-A-SF | 620 | 0.7721 | 0.882146281 |
| 7E3 | 7E3-RW586-B | 7E3-RW586-B-SF | 448 | 0.5579 | 0.591862695 |
| 7E3 | 7E3-RW586-C | 7E3-RW586-C-SF | 389 | 0.4844 | 0.505715353 |
| 7E3 | 7E3-RW586ABT-D | 7E3-RW586ABT-D-SF | 144 | 0.1793 | 0.180302850 |
| 7E3 | 7E3-RW68-A | 7E3-RW68-A-SF | 234 | 0.2914 | 0.295697577 |
| 7E3 | 7E3-RW68-B | 7E3-RW68-B-SF | 665 | 0.8281 | 0.975789118 |
| 7E3 | 7E3-RW68-C | 7E3-RW68-C-SF | 392 | 0.4882 | 0.509990969 |
| 7E3 | 7E3-RW68ABT-D | 7E3-RW68ABT-D-SF | 568 | 0.7073 | 0.785738574 |

| **Total Lead** | Max TTLC: | 803.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 20 | | 20 | | | |
| Sample Mean : | 243 | | 0.352 | | | |
| Delta = RT - mean | 107 | | | | | |
| Appropriate Number of Samples: | 10 | | | | | |
| Standard Deviation of Sample: | 255 | | 0.422 | | | |
| Standard Deviation of Mean: | 57 | | 0.094 | | | |
| Sample Variance: | 64970 | | 0.178 | | | |
| t-value for 90%: | 1.328 | Need to Transform Data | 1.328 | | | |
| Upper Confidence Limit* for 90%: | | | 0.478 | | | |
| Reverse Transformation for 90% | | | 369 | mg/kg | 17 | mg/l |
| t-value for 95%: | | | 1.729 | | | |
| Upper Confidence Limit* for 95%: | | | 0.515 | | | |
| Reverse Transformation for 95% | | | 396 | mg/kg | 18 | mg/l |

# TABLE C-75
## LEAD ANALYSES - 7E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-RW556ABT-A | 7E1-RW556ABT-A-1 | 59.4 | 0.1063 | 0.106462177 |
| 7E1 | 7E1-RW556-B | 7E1-RW556-B-1 | 59.8 | 0.1070 | 0.107181843 |
| 7E1 | 7E1-RW556-C | 7E1-RW556-C-1 | 111 | 0.1986 | 0.199897500 |
| 7E1 | 7E1-RW556-D | 7E1-RW556-D-1 | 115 | 0.2057 | 0.207203994 |
| 7E1 | 7E1-SW560ABT-A | 7E1-SW560ABT-A-1 | 5 | 0.0089 | 0.008944663 |
| 7E1 | 7E1-SW560-B | 7E1-SW560-B-1 | 12.8 | 0.0229 | 0.022900034 |
| 7E1 | 7E1-SW560-C | 7E1-SW560-C-1 | 19.6 | 0.0351 | 0.035069800 |
| 7E1 | 7E1-SW560-D | 7E1-SW560-D-1 | 5 | 0.0089 | 0.008944663 |
| 7E3 | 7E3-RW570ABT-A | 7E3-RW570ABT-A-1 | 41.7 | 0.0746 | 0.074666856 |
| 7E3 | 7E3-RW570-B | 7E3-RW570-B-1 | 89.6 | 0.1603 | 0.160980621 |
| 7E3 | 7E3-RW570-C | 7E3-RW570-C-1 | 62.4 | 0.1116 | 0.111861045 |
| 7E3 | 7E3-RW570-D | 7E3-RW570-D-1 | 66.4 | 0.1188 | 0.119064661 |
| 7E3 | 7E3-RW586-A | 7E3-RW586-A-1 | 32.1 | 0.0574 | 0.057455578 |
| 7E3 | 7E3-RW586-B | 7E3-RW586-B-1 | 559 | 1.0000 | 1.570796327 |
| 7E3 | 7E3-RW586-C | 7E3-RW586-C-1 | 60 | 0.1073 | 0.107541697 |
| 7E3 | 7E3-RW586ABT-D | 7E3-RW586ABT-D-1 | 57.8 | 0.1034 | 0.103584064 |
| 7E3 | 7E3-RW68-A | 7E3-RW68-A-1 | 78.9 | 0.1411 | 0.141617799 |
| 7E3 | 7E3-RW68-B | 7E3-RW68-B-1 | 245 | 0.4383 | 0.453687143 |
| 7E3 | 7E3-RW68-C | 7E3-RW68-C-1 | 254 | 0.4544 | 0.471679266 |
| 7E3 | 7E3-RW68ABT-D | 7E3-RW68ABT-D-1 | 175 | 0.3131 | 0.318412269 |

| **Total Lead** | Max TTLC: | 559.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 20 | | 20 | | | |
| Sample Mean : | 105 | | 0.219 | | | |
| Delta = RT - mean | 245 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 128 | | 0.344 | | | |
| Standard Deviation of Mean: | 29 | | 0.077 | | | |
| Sample Variance: | 16351 | | 0.118 | | | |
| t-value for 90%: | 1.328 | Need to Transform Data | 1.328 | | | |
| Upper Confidence Limit* for 90%: | | | 0.321 | | | |
| Reverse Transformation for 90% | | | 177 | mg/kg | 8 | mg/l |
| t-value for 95%: | | | 1.729 | | | |
| Upper Confidence Limit* for 95%: | | | 0.352 | | | |
| Reverse Transformation for 95% | | | 193 | mg/kg | 9 | mg/l |

# TABLE C-76
## LEAD ANALYSES - 7E RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-RW556ABT-A | 7E1-RW556ABT-A-2 | 49.4 | 0.4450 | 0.461224561 |
| 7E1 | 7E1-RW556-B | 7E1-RW556-B-2 | 41 | 0.3694 | 0.378330308 |
| 7E1 | 7E1-RW556-C | 7E1-RW556-C-2 | 23.9 | 0.2153 | 0.217014707 |
| 7E1 | 7E1-RW556-D | 7E1-RW556-D-2 | 5 | 0.0450 | 0.045060292 |
| 7E1 | 7E1-SW560ABT-A | 7E1-SW560ABT-A-2 | 5 | 0.0450 | 0.045060292 |
| 7E1 | 7E1-SW560-B | 7E1-SW560-B-2 | 12 | 0.1081 | 0.108319807 |
| 7E1 | 7E1-SW560-C | 7E1-SW560-C-2 | 19.9 | 0.1793 | 0.180253812 |
| 7E1 | 7E1-SW560-D | 7E1-SW560-D-2 | 5 | 0.0450 | 0.045060292 |
| 7E3 | 7E3-RW570ABT-A | 7E3-RW570ABT-A-2 | 57.8 | 0.5207 | 0.547694939 |
| 7E3 | 7E3-RW570-B | 7E3-RW570-B-2 | 84.5 | 0.7613 | 0.865255955 |
| 7E3 | 7E3-RW570-C | 7E3-RW570-C-2 | 66 | 0.5946 | 0.636761335 |
| 7E3 | 7E3-RW570-D | 7E3-RW570-D-2 | 49.7 | 0.4477 | 0.464244899 |
| 7E3 | 7E3-RW586-A | 7E3-RW586-A-2 | 17.8 | 0.1604 | 0.161055727 |
| 7E3 | 7E3-RW586-B | 7E3-RW586-B-2 | 111 | 1.0000 | 1.570796327 |
| 7E3 | 7E3-RW586-C | 7E3-RW586-C-2 | 19.8 | 0.1784 | 0.179338151 |
| 7E3 | 7E3-RW586ABT-D | 7E3-RW586ABT-D-2 | 29.5 | 0.2658 | 0.268998167 |
| 7E3 | 7E3-RW68-B | 7E3-RW68-B-2 | 5 | 0.0450 | 0.045060292 |
| 7E1 | 7E1-RW556-C | 7E1-RW556-C-2.5 | 5 | 0.0450 | 0.045060292 |
| 7E1 | 7E1-RW556-D | 7E1-RW556-D-2.5 | 16.3 | 0.1468 | 0.147379802 |

| **Total Lead** | Max TTLC: | 111.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 19 | | 19 | | | |
| Sample Mean : | 33 | | 0.337 | | | |
| Delta = RT - mean | 317 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 30 | | 0.379 | | | |
| Standard Deviation of Mean: | 7 | | 0.087 | | | |
| Sample Variance: | 909 | | 0.143 | | | |
| t-value for 90%: | 1.330 | Need to Transform Data | 1.330 | | | |
| Upper Confidence Limit* for 90%: | | | 0.453 | | | |
| Reverse Transformation for 90% | | | 49 | mg/kg | 2.3 | mg/l |
| t-value for 95%: | | | 1.734 | | | |
| Upper Confidence Limit* for 95%: | | | 0.488 | | | |
| Reverse Transformation for 95% | | | 52 | mg/kg | 2.4 | mg/l |

# TABLE C-77
## LEAD ANALYSES - 7E RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-SW560ABT-A | 7E1-SW560ABT-A-5 | 5 | 0.1253 | 0.125643597 |
| 7E1 | 7E1-SW560-C | 7E1-SW560-C-5 | 16.7 | 0.4185 | 0.431844155 |
| 7E3 | 7E3-RW586-A | 7E3-RW586-A-5 | 26 | 0.6516 | 0.709730110 |
| 7E3 | 7E3-RW586ABT-D | 7E3-RW586ABT-D-5 | 5 | 0.1253 | 0.125643597 |
| 7E3 | 7E3-RW586-B | 7E3-RW586-B-4 | 39.9 | 1.0000 | 1.570796327 |

| **Total Lead** | Max TTLC: | 39.9 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 5 | | 5 | | | |
| Sample Mean : | 19 | | 0.593 | | | |
| Delta = RT - mean | 331 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 15 | | 0.598 | | | |
| Standard Deviation of Mean: | 7 | | 0.268 | | | |
| Sample Variance: | 220 | | 0.358 | | | |
| t-value for 90%: | 1.533 | Need to Transform Data | 1.533 | | | |
| Upper Confidence Limit* for 90%: | | | 1.003 | | | |
| Reverse Transformation for 90% | | | 34 | mg/kg | 1.6 | mg/l |
| t-value for 95%: | | | 2.132 | | | |
| Upper Confidence Limit* for 95%: | | | 1.163 | | | |
| Reverse Transformation for 95% | | | 37 | mg/kg | 1.7 | mg/l |

## TABLE C-78
## LEAD ANALYSES - 7E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-RW556ABT-A | 7E1-RW556ABT-A-SF | 83 | 0.1034 | 0.103547332 |
| 7E1 | 7E1-RW556-B | 7E1-RW556-B-SF | 68.4 | 0.0852 | 0.085283919 |
| 7E1 | 7E1-RW556-C | 7E1-RW556-C-SF | 67.9 | 0.0846 | 0.084658999 |
| 7E1 | 7E1-RW556-D | 7E1-RW556-D-SF | 93.6 | 0.1166 | 0.116828471 |
| 7E1 | 7E1-SW560ABT-A | 7E1-SW560ABT-A-SF | 5 | 0.0062 | 0.006226690 |
| 7E1 | 7E1-SW560-B | 7E1-SW560-B-SF | 50.7 | 0.0631 | 0.063180256 |
| 7E1 | 7E1-SW560-C | 7E1-SW560-C-SF | 803 | 1.0000 | 1.570796327 |
| 7E1 | 7E1-SW560-D | 7E1-SW560-D-SF | 5 | 0.0062 | 0.006226690 |
| 7E3 | 7E3-RW570ABT-A | 7E3-RW570ABT-A-SF | 76.9 | 0.0958 | 0.095912865 |
| 7E3 | 7E3-RW570-B | 7E3-RW570-B-SF | 42.8 | 0.0533 | 0.053325394 |
| 7E3 | 7E3-RW570-C | 7E3-RW570-C-SF | 38.3 | 0.0477 | 0.047714242 |
| 7E3 | 7E3-RW570-D | 7E3-RW570-D-SF | 67.9 | 0.0846 | 0.084658999 |
| 7E3 | 7E3-RW586-A | 7E3-RW586-A-SF | 620 | 0.7721 | 0.882146281 |
| 7E3 | 7E3-RW586-B | 7E3-RW586-B-SF | 448 | 0.5579 | 0.591862695 |
| 7E3 | 7E3-RW586-C | 7E3-RW586-C-SF | 389 | 0.4844 | 0.505715353 |
| 7E3 | 7E3-RW586ABT-D | 7E3-RW586ABT-D-SF | 144 | 0.1793 | 0.180302850 |
| 7E3 | 7E3-RW68-A | 7E3-RW68-A-SF | 234 | 0.2914 | 0.295697577 |
| 7E3 | 7E3-RW68-B | 7E3-RW68-B-SF | 665 | 0.8281 | 0.975789118 |
| 7E3 | 7E3-RW68-C | 7E3-RW68-C-SF | 392 | 0.4882 | 0.509990969 |
| 7E3 | 7E3-RW68ABT-D | 7E3-RW68ABT-D-SF | 568 | 0.7073 | 0.785738574 |
| 7E1 | 7E1-RW556ABT-A | 7E1-RW556ABT-A-1 | 59.4 | 0.0740 | 0.074040232 |
| 7E1 | 7E1-RW556-B | 7E1-RW556-B-1 | 59.8 | 0.0745 | 0.074539742 |
| 7E1 | 7E1-RW556-C | 7E1-RW556-C-1 | 111 | 0.1382 | 0.138675682 |
| 7E1 | 7E1-RW556-D | 7E1-RW556-D-1 | 115 | 0.1432 | 0.143707074 |
| 7E1 | 7E1-SW560ABT-A | 7E1-SW560ABT-A-1 | 5 | 0.0062 | 0.006226690 |
| 7E1 | 7E1-SW560-B | 7E1-SW560-B-1 | 12.8 | 0.0159 | 0.015940899 |
| 7E1 | 7E1-SW560-C | 7E1-SW560-C-1 | 19.6 | 0.0244 | 0.024410893 |
| 7E1 | 7E1-SW560-D | 7E1-SW560-D-1 | 5 | 0.0062 | 0.006226690 |
| 7E3 | 7E3-RW570ABT-A | 7E3-RW570ABT-A-1 | 41.7 | 0.0519 | 0.051953630 |
| 7E3 | 7E3-RW570-B | 7E3-RW570-B-1 | 89.6 | 0.1116 | 0.111814416 |

## TABLE C-78
## LEAD ANALYSES - 7E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E3 | 7E3-RW570-C | 7E3-RW570-C-1 | 62.4 | 0.0777 | 0.077787015 |
| 7E3 | 7E3-RW570-D | 7E3-RW570-D-1 | 66.4 | 0.0827 | 0.082784438 |
| 7E3 | 7E3-RW586-A | 7E3-RW586-A-1 | 32.1 | 0.0400 | 0.039985748 |
| 7E3 | 7E3-RW586-B | 7E3-RW586-B-1 | 559 | 0.6961 | 0.770005904 |
| 7E3 | 7E3-RW586-C | 7E3-RW586-C-1 | 60 | 0.0747 | 0.074789503 |
| 7E3 | 7E3-RW586ABT-D | 7E3-RW586ABT-D-1 | 57.8 | 0.0720 | 0.072042376 |
| 7E3 | 7E3-RW68-A | 7E3-RW68-A-1 | 78.9 | 0.0983 | 0.098415329 |
| 7E3 | 7E3-RW68-B | 7E3-RW68-B-1 | 245 | 0.3051 | 0.310049580 |
| 7E3 | 7E3-RW68-C | 7E3-RW68-C-1 | 254 | 0.3163 | 0.321841268 |
| 7E3 | 7E3-RW68ABT-D | 7E3-RW68ABT-D-1 | 175 | 0.2179 | 0.219695807 |
| 7E1 | 7E1-RW556ABT-A | 7E1-RW556ABT-A-2 | 49.4 | 0.0615 | 0.061558173 |
| 7E1 | 7E1-RW556-B | 7E1-RW556-B-2 | 41 | 0.0511 | 0.051080741 |
| 7E1 | 7E1-RW556-C | 7E1-RW556-C-2 | 23.9 | 0.0298 | 0.029767783 |
| 7E1 | 7E1-RW556-D | 7E1-RW556-D-2 | 5 | 0.0062 | 0.006226690 |
| 7E1 | 7E1-SW560ABT-A | 7E1-SW560ABT-A-2 | 5 | 0.0062 | 0.006226690 |
| 7E1 | 7E1-SW560-B | 7E1-SW560-B-2 | 12 | 0.0149 | 0.014944516 |
| 7E1 | 7E1-SW560-C | 7E1-SW560-C-2 | 19.9 | 0.0248 | 0.024784605 |
| 7E1 | 7E1-SW560-D | 7E1-SW560-D-2 | 5 | 0.0062 | 0.006226690 |
| 7E3 | 7E3-RW570ABT-A | 7E3-RW570ABT-A-2 | 57.8 | 0.0720 | 0.072042376 |
| 7E3 | 7E3-RW570-B | 7E3-RW570-B-2 | 84.5 | 0.1052 | 0.105425571 |
| 7E3 | 7E3-RW570-C | 7E3-RW570-C-2 | 66 | 0.0822 | 0.082284604 |
| 7E3 | 7E3-RW570-D | 7E3-RW570-D-2 | 49.7 | 0.0619 | 0.061932486 |
| 7E3 | 7E3-RW586-A | 7E3-RW586-A-2 | 17.8 | 0.0222 | 0.022168690 |
| 7E3 | 7E3-RW586-B | 7E3-RW586-B-2 | 111 | 0.1382 | 0.138675682 |
| 7E3 | 7E3-RW586-C | 7E3-RW586-C-2 | 19.8 | 0.0247 | 0.024660034 |
| 7E3 | 7E3-RW586ABT-D | 7E3-RW586ABT-D-2 | 29.5 | 0.0367 | 0.036745504 |
| 7E3 | 7E3-RW68-B | 7E3-RW68-B-2 | 5 | 0.0062 | 0.006226690 |
| 7E1 | 7E1-RW556-C | 7E1-RW556-C-2.5 | 5 | 0.0062 | 0.006226690 |
| 7E1 | 7E1-RW556-D | 7E1-RW556-D-2.5 | 16.3 | 0.0203 | 0.020300273 |
| 7E1 | 7E1-SW560ABT-A | 7E1-SW560ABT-A-5 | 5 | 0.0062 | 0.006226690 |

## TABLE C-78
## LEAD ANALYSES - 7E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 7E1 | 7E1-SW560-C | 7E1-SW560-C-5 | 16.7 | 0.0208 | 0.020798511 |
| 7E3 | 7E3-RW586-A | 7E3-RW586-A-5 | 26 | 0.0324 | 0.032384240 |
| 7E3 | 7E3-RW586ABT-D | 7E3-RW586ABT-D-5 | 5 | 0.0062 | 0.006226690 |
| 7E3 | 7E3-RW586-B | 7E3-RW586-B-4 | 39.9 | 0.0497 | 0.049709137 |

| **Total Lead** | Max TTLC: | 803.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 64 | | 64 | | | |
| Sample Mean : | 120 | | 0.166 | | | |
| Delta = RT - mean | 230 | | | | | |
| Appropriate Number of Samples: | 1 | | | | | |
| Standard Deviation of Sample: | 181 | | 0.284 | | | |
| Standard Deviation of Mean: | 23 | | 0.036 | | | |
| Sample Variance: | 32788 | | 0.081 | | | |
| t-value for 90%: | 1.296 | Need to Transform Data | 1.296 | | | |
| Upper Confidence Limit* for 90%: | | | 0.213 | | | |
| Reverse Transformation for 90% | | | 169 | mg/kg | 7.9 | mg/l |
| t-value for 95%: | | | 1.670 | | | |
| Upper Confidence Limit* for 95%: | | | 0.226 | | | |
| Reverse Transformation for 95% | | | 180 | mg/kg | 8.4 | mg/l |

# TABLE C-79
## LEAD ANALYSES - 8E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E1 | 8E1-RW590ABT-A | 8E1-RW590ABT-A-SF | 1050 | 1.0000 | 1.570796327 |
| 8E1 | 8E1-RW590-B | 8E1-RW590-B-SF | 671 | 0.6390 | 0.693259430 |
| 8E1 | 8E1-RW590-C | 8E1-RW590-C-SF | 472 | 0.4495 | 0.466232180 |
| 8E1 | 8E1-RW590-D | 8E1-RW590-D-SF | 674 | 0.6419 | 0.696979781 |
| 8E5 | 8E5-RW100-A | 8E5-RW100-A-SF | 75.2 | 0.0716 | 0.071680415 |
| 8E5 | 8E5-RW100-B | 8E5-RW100-B-SF | 332 | 0.3162 | 0.321711248 |
| 8E5 | 8E5-RW100-C | 8E5-RW100-C-SF | 139 | 0.1324 | 0.132770690 |
| 8E6 | 8E6-RW58ABT-A | 8E6-RW58ABT-A-SF | 82 | 0.0781 | 0.078174839 |
| 8E6 | 8E6-RW58-B | 8E6-RW58-B-SF | 189 | 0.1800 | 0.180986451 |
| 8E6 | 8E6-RW58-C | 8E6-RW58-C-SF | 129 | 0.1229 | 0.123168326 |
| 8E6 | 8E6-RW58D | 8E6-RW58D-SF | 148 | 0.1410 | 0.141423334 |
| 8E5 | 8E5-RW100-D | 8E5-RW100-D-SF | 738 | 0.7029 | 0.779406183 |

| **Total Lead** | Max TTLC: | 1050.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 12 | | 12 | | | |
| Sample Mean : | 392 | | 0.438 | | | |
| Delta = RT - mean | -42 | | | | | |
| Appropriate Number of Samples: | 112 | | | | | |
| Standard Deviation of Sample: | 323 | | 0.443 | | | |
| Standard Deviation of Mean: | 93 | | 0.128 | | | |
| Sample Variance: | 104584 | | 0.196 | | | |
| t-value for 90%: | 1.363 | Need to Transform Data | 1.363 | | | |
| Upper Confidence Limit* for 90%: | | | 0.612 | | | |
| Reverse Transformation for 90% | | | 603 | mg/kg | 33 | mg/l |
| t-value for 95%: | | | 1.796 | | | |
| Upper Confidence Limit* for 95%: | | | 0.668 | | | |
| Reverse Transformation for 95% | | | 650 | mg/kg | 35 | mg/l |

# TABLE C-80
## LEAD ANALYSES - 8E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E1 | 8E1-RW590ABT-A | 8E1-RW590ABT-A-1 | 228 | 0.6930 | 0.765654671 |
| 8E1 | 8E1-RW590ABT-A | 8E1-RW590ABT-A-1.5 | 280 | 0.8511 | 1.018008081 |
| 8E1 | 8E1-RW590-B | 8E1-RW590-B-1 | 85.9 | 0.2611 | 0.264155573 |
| 8E1 | 8E1-RW590-C | 8E1-RW590-C-1 | 155 | 0.4711 | 0.490565328 |
| 8E1 | 8E1-RW590-D | 8E1-RW590-D-1 | 96.1 | 0.2921 | 0.296419005 |
| 8E5 | 8E5-RW100-A | 8E5-RW100-A-1 | 15.1 | 0.0459 | 0.045912785 |
| 8E5 | 8E5-RW100-B | 8E5-RW100-B-1 | 329 | 1.0000 | 1.570796327 |
| 8E5 | 8E5-RW100-C | 8E5-RW100-C-1 | 109 | 0.3313 | 0.337688463 |
| 8E6 | 8E6-RW58ABT-A | 8E6-RW58ABT-A-1 | 77.9 | 0.2368 | 0.239048319 |
| 8E6 | 8E6-RW58-B | 8E6-RW58-B-1 | 183 | 0.5562 | 0.589843535 |
| 8E6 | 8E6-RW58-C | 8E6-RW58-C-1 | 64.4 | 0.1957 | 0.197016764 |
| 8E6 | 8E6-RW58-D | 8E6-RW58-D-1 | 137 | 0.4164 | 0.429496817 |
| 8E5 | 8E5-RW100-D | 8E5-RW100-D-1 | 60.4 | 0.1836 | 0.184633857 |

| **Total Lead** | Max TTLC: | 329.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 13 | | 13 | | | |
| Sample Mean : | 140 | | 0.495 | | | |
| Delta = RT - mean | 210 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 92 | | 0.417 | | | |
| Standard Deviation of Mean: | 26 | | 0.116 | | | |
| Sample Variance: | 8539 | | 0.174 | | | |
| t-value for 90%: | 1.356 | Need to Transform Data | 1.356 | | | |
| Upper Confidence Limit* for 90%: | | | 0.651 | | | |
| Reverse Transformation for 90% | | | 199 | mg/kg | 11 | mg/l |
| t-value for 95%: | | | 1.782 | | | |
| Upper Confidence Limit* for 95%: | | | 0.701 | | | |
| Reverse Transformation for 95% | | | 212 | mg/kg | 12 | mg/l |

## TABLE C-81
## LEAD ANALYSES - 8E RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E1 | 8E1-RW590-B | 8E1-RW590-B-2 | 17 | 0.0177 | 0.017654084 |
| 8E1 | 8E1-RW590-C | 8E1-RW590-C-2 | 101 | 0.1049 | 0.105073820 |
| 8E1 | 8E1-RW590-D | 8E1-RW590-D-2 | 105 | 0.1090 | 0.109251474 |
| 8E5 | 8E5-RW100-A | 8E5-RW100-A-2 | 5 | 0.0052 | 0.005192131 |
| 8E5 | 8E5-RW100-B | 8E5-RW100-B-2 | 5 | 0.0052 | 0.005192131 |
| 8E5 | 8E5-RW100-C | 8E5-RW100-C-2 | 5 | 0.0052 | 0.005192131 |
| 8E5 | 8E5-RW100-D | 8E5-RW100-D-2 | 37 | 0.0384 | 0.038431059 |
| 8E6 | 8E6-RW58ABT-A | 8E6-RW58ABT-A-2 | 33 | 0.0343 | 0.034274623 |
| 8E6 | 8E6-RW58-C | 8E6-RW58-C-2 | 73.8 | 0.0766 | 0.076710726 |
| 8E6 | 8E6-RW58-D | 8E6-RW58-D-2 | 177 | 0.1838 | 0.184851559 |
| 8E1 | 8E1-RW590-C | 8E1-RW590-C-2.5 | 963 | 1.0000 | 1.570796327 |
| 8E1 | 8E1-RW590-D | 8E1-RW590-D-2.5 | 98.6 | 0.1024 | 0.102568115 |
| 8E6 | 8E6-RW58-C | 8E6-RW58-C-2.5 | 64 | 0.0665 | 0.066508002 |
| 8E6 | 8E6-RW58-D | 8E6-RW58-D-2.5 | 137 | 0.1423 | 0.142748062 |

| **Total Lead** | Max TTLC: | 963.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 14 | | 14 | | | |
| Sample Mean : | 130 | | 0.176 | | | |
| Delta = RT - mean | 220 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 246 | | 0.405 | | | |
| Standard Deviation of Mean: | 66 | | 0.108 | | | |
| Sample Variance: | 60293 | | 0.164 | | | |
| t-value for 90%: | 1.350 | Need to Transform Data | 1.350 | | | |
| Upper Confidence Limit* for 90%: | | | 0.322 | | | |
| Reverse Transformation for 90% | | | 305 | mg/kg | 17 | mg/l |
| t-value for 95%: | | | 1.771 | | | |
| Upper Confidence Limit* for 95%: | | | 0.368 | | | |
| Reverse Transformation for 95% | | | 346 | mg/kg | 19 | mg/l |

## TABLE C-82
## LEAD ANALYSES - 8E RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E5 | 8E5-RW100-A | 8E5-RW100-A-5 | 13.3 | 1.0000 | 1.570796327 |
| 8E5 | 8E5-RW100-B | 8E5-RW100-B-5 | 13.1 | 0.9850 | 1.397156273 |
| 8E5 | 8E5-RW100-D | 8E5-RW100-D-5 | 5 | 0.3759 | 0.385410817 |

| **Total Lead** | Max TTLC: | 13.3 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 3 | | 3 | | | |
| Sample Mean : | 10 | | 1.118 | | | |
| Delta = RT - mean | 340 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 5 | | 0.640 | | | |
| Standard Deviation of Mean: | 3 | | 0.370 | | | |
| Sample Variance: | 22 | | 0.410 | | | |
| t-value for 90%: | 1.886 | Need to Transform Data | 1.886 | | | |
| Upper Confidence Limit* for 90%: | | | 1.815 | | | |
| Reverse Transformation for 90% | | | 13 | mg/kg | 0.7 | mg/l |
| t-value for 95%: | | | 2.920 | | | |
| Upper Confidence Limit* for 95%: | | | 2.197 | | | |
| Reverse Transformation for 95% | | | 11 | mg/kg | 0.6 | mg/l |

## TABLE C-83
## LEAD ANALYSES - 8E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E1 | 8E1-RW590ABT-A | 8E1-RW590ABT-A-SF | 1050 | 1.0000 | 1.570796327 |
| 8E1 | 8E1-RW590-B | 8E1-RW590-B-SF | 671 | 0.6390 | 0.693259430 |
| 8E1 | 8E1-RW590-C | 8E1-RW590-C-SF | 472 | 0.4495 | 0.466232180 |
| 8E1 | 8E1-RW590-D | 8E1-RW590-D-SF | 674 | 0.6419 | 0.696979781 |
| 8E5 | 8E5-RW100-A | 8E5-RW100-A-SF | 75.2 | 0.0716 | 0.071680415 |
| 8E5 | 8E5-RW100-B | 8E5-RW100-B-SF | 332 | 0.3162 | 0.321711248 |
| 8E5 | 8E5-RW100-C | 8E5-RW100-C-SF | 139 | 0.1324 | 0.132770690 |
| 8E6 | 8E6-RW58ABT-A | 8E6-RW58ABT-A-SF | 82 | 0.0781 | 0.078174839 |
| 8E6 | 8E6-RW58-B | 8E6-RW58-B-SF | 189 | 0.1800 | 0.180986451 |
| 8E6 | 8E6-RW58-C | 8E6-RW58-C-SF | 129 | 0.1229 | 0.123168326 |
| 8E6 | 8E6-RW58D | 8E6-RW58D-SF | 148 | 0.1410 | 0.141423334 |
| 8E5 | 8E5-RW100-D | 8E5-RW100-D-SF | 738 | 0.7029 | 0.779406183 |
| 8E1 | 8E1-RW590ABT-A | 8E1-RW590ABT-A-1 | 228 | 0.2171 | 0.218886532 |
| 8E1 | 8E1-RW590ABT-A | 8E1-RW590ABT-A-1.5 | 280 | 0.2667 | 0.269932796 |
| 8E1 | 8E1-RW590-B | 8E1-RW590-B-1 | 85.9 | 0.0818 | 0.081901056 |
| 8E1 | 8E1-RW590-C | 8E1-RW590-C-1 | 155 | 0.1476 | 0.148160511 |
| 8E1 | 8E1-RW590-D | 8E1-RW590-D-1 | 96.1 | 0.0915 | 0.091652070 |
| 8E5 | 8E5-RW100-A | 8E5-RW100-A-1 | 15.1 | 0.0144 | 0.014381448 |
| 8E5 | 8E5-RW100-B | 8E5-RW100-B-1 | 329 | 0.3133 | 0.318701100 |
| 8E5 | 8E5-RW100-C | 8E5-RW100-C-1 | 109 | 0.1038 | 0.103996883 |
| 8E6 | 8E6-RW58ABT-A | 8E6-RW58ABT-A-1 | 77.9 | 0.0742 | 0.074258706 |
| 8E6 | 8E6-RW58-B | 8E6-RW58-B-1 | 183 | 0.1743 | 0.175180334 |
| 8E6 | 8E6-RW58-C | 8E6-RW58-C-1 | 64.4 | 0.0613 | 0.061371852 |
| 8E6 | 8E6-RW58-D | 8E6-RW58-D-1 | 137 | 0.1305 | 0.130849261 |
| 8E5 | 8E5-RW100-D | 8E5-RW100-D-1 | 60.4 | 0.0575 | 0.057555581 |
| 8E1 | 8E1-RW590-B | 8E1-RW590-B-2 | 17 | 0.0162 | 0.016191184 |
| 8E1 | 8E1-RW590-C | 8E1-RW590-C-2 | 101 | 0.0962 | 0.096339433 |
| 8E1 | 8E1-RW590-D | 8E1-RW590-D-2 | 105 | 0.1000 | 0.100167421 |
| 8E5 | 8E5-RW100-A | 8E5-RW100-A-2 | 5 | 0.0048 | 0.004761923 |
| 8E5 | 8E5-RW100-B | 8E5-RW100-B-2 | 5 | 0.0048 | 0.004761923 |
| 8E5 | 8E5-RW100-C | 8E5-RW100-C-2 | 5 | 0.0048 | 0.004761923 |
| 8E5 | 8E5-RW100-D | 8E5-RW100-D-2 | 37 | 0.0352 | 0.035245392 |

## TABLE C-83
## LEAD ANALYSES - 8E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 8E6 | 8E6-RW58ABT-A | 8E6-RW58ABT-A-2 | 33 | 0.0314 | 0.031433748 |
| 8E6 | 8E6-RW58-C | 8E6-RW58-C-2 | 73.8 | 0.0703 | 0.070343713 |
| 8E6 | 8E6-RW58-D | 8E6-RW58-D-2 | 177 | 0.1686 | 0.169380177 |
| 8E1 | 8E1-RW590-C | 8E1-RW590-C-2.5 | 963 | 0.9171 | 1.160851608 |
| 8E1 | 8E1-RW590-D | 8E1-RW590-D-2.5 | 98.6 | 0.0939 | 0.094043323 |
| 8E6 | 8E6-RW58-C | 8E6-RW58-C-2.5 | 64 | 0.0610 | 0.060990186 |
| 8E6 | 8E6-RW58-D | 8E6-RW58-D-2.5 | 137 | 0.1305 | 0.130849261 |
| 8E5 | 8E5-RW100-A | 8E5-RW100-A-5 | 13.3 | 0.0127 | 0.012667005 |
| 8E5 | 8E5-RW100-B | 8E5-RW100-B-5 | 13.1 | 0.0125 | 0.012476514 |
| 8E5 | 8E5-RW100-D | 8E5-RW100-D-5 | 5 | 0.0048 | 0.004761923 |

| **Total Lead** | Max TTLC: | 1050.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 42 | | 42 | | | |
| Sample Mean : | 199 | | 0.215 | | | |
| Delta = RT - mean | 151 | | | | | |
| Appropriate Number of Samples: | 5 | | | | | |
| Standard Deviation of Sample: | 257 | | 0.323 | | | |
| Standard Deviation of Mean: | 40 | | 0.050 | | | |
| Sample Variance: | 65857 | | 0.105 | | | |
| t-value for 90%: | 1.303 | Need to Transform Data | 1.303 | | | |
| Upper Confidence Limit* for 90%: | | | 0.280 | | | |
| Reverse Transformation for 90% | | | 290 | mg/kg | 16 | mg/l |
| t-value for 95%: | | | 1.683 | | | |
| Upper Confidence Limit* for 95%: | | | 0.299 | | | |
| Reverse Transformation for 95% | | | 309 | mg/kg | 17 | mg/l |

# TABLE C-84
## LEAD ANALYSES - 9E RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 9E | 9E-RW621-A | 9E-RW621-A-SF | 1230 | 1.0000 | 1.570796327 |
| 9E | 9E-RW621-B | 9E-RW621-B-SF | 598 | 0.4862 | 0.507711691 |
| 9E | 9E-RW621-C | 9E-RW621-C-SF | 352 | 0.2862 | 0.290236521 |
| 9E | 9E-RW621-D | 9E-RW621-D-SF | 899 | 0.7309 | 0.819631394 |

| **Total Lead** | Max TTLC: | 1230.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 770 | | 0.797 | | | |
| Delta = RT - mean | -420 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 380 | | 0.560 | | | |
| Standard Deviation of Mean: | 190 | | 0.280 | | | |
| Sample Variance: | 144183 | | 0.313 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.255 | | | |
| Reverse Transformation for 90% | | | 1169 | mg/kg | 64 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.456 | | | |
| Reverse Transformation for 95% | | | 1222 | mg/kg | 67 | mg/l |

# TABLE C-85
## LEAD ANALYSES - 9E RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 9E | 9E-RW621-A | 9E-RW621-A-1 | 107 | 0.3891 | 0.399644531 |
| 9E | 9E-RW621-B | 9E-RW621-B-1 | 116 | 0.4218 | 0.435449704 |
| 9E | 9E-RW621-C | 9E-RW621-C-1 | 275 | 1.0000 | 1.570796327 |
| 9E | 9E-RW621-D | 9E-RW621-D-1 | 138 | 0.5018 | 0.525699507 |

| **Total Lead** | Max TTLC: | 275.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 159 | | 0.733 | | | |
| Delta = RT - mean | 191 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 78 | | 0.561 | | | |
| Standard Deviation of Mean: | 39 | | 0.281 | | | |
| Sample Variance: | 6150 | | 0.315 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.192 | | | |
| Reverse Transformation for 90% | | | 256 | mg/kg | 14 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.393 | | | |
| Reverse Transformation for 95% | | | 271 | mg/kg | 15 | mg/l |

# TABLE C-86
## LEAD ANALYSES - 9E RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 9E | 9E-RW621-A | 9E-RW621-A-2 | 139 | 0.9858 | 1.402166214 |
| 9E | 9E-RW621-B | 9E-RW621-B-2 | 141 | 1.0000 | 1.570796327 |

| **Total Lead** | Max TTLC: | 141.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 2 | | 2 | | | |
| Sample Mean : | 140 | | 1.486 | | | |
| Delta = RT - mean | 210 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 1 | | 0.119 | | | |
| Standard Deviation of Mean: | 1 | | 0.084 | | | |
| Sample Variance: | 2 | | 0.014 | | | |
| t-value for 90%: | 3.078 | Need to Transform Data | 3.078 | | | |
| Upper Confidence Limit* for 90%: | | | 1.746 | | | |
| Reverse Transformation for 90% | | | 139 | mg/kg | 7.6 | mg/l |
| t-value for 95%: | | | 6.314 | | | |
| Upper Confidence Limit* for 95%: | | | 2.019 | | | |
| Reverse Transformation for 95% | | | 127 | mg/kg | 7.0 | mg/l |

## TABLE C-87
## LEAD ANALYSES - 9E RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 9E | 9E-RW621-A | 9E-RW621-A-SF | 1230 | 1.0000 | 1.570796327 |
| 9E | 9E-RW621-B | 9E-RW621-B-SF | 598 | 0.4862 | 0.507711691 |
| 9E | 9E-RW621-C | 9E-RW621-C-SF | 352 | 0.2862 | 0.290236521 |
| 9E | 9E-RW621-D | 9E-RW621-D-SF | 899 | 0.7309 | 0.819631394 |
| 9E | 9E-RW621-A | 9E-RW621-A-1 | 107 | 0.0870 | 0.087101965 |
| 9E | 9E-RW621-B | 9E-RW621-B-1 | 116 | 0.0943 | 0.094449306 |
| 9E | 9E-RW621-C | 9E-RW621-C-1 | 275 | 0.2236 | 0.225483076 |
| 9E | 9E-RW621-D | 9E-RW621-D-1 | 138 | 0.1122 | 0.112431846 |
| 9E | 9E-RW621-A | 9E-RW621-A-2 | 139 | 0.1130 | 0.113250058 |
| 9E | 9E-RW621-B | 9E-RW621-B-2 | 141 | 0.1146 | 0.114886710 |

| **Total Lead** | Max TTLC: | 1230.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 10 | | 10 | | | |
| Sample Mean : | 400 | | 0.394 | | | |
| Delta = RT - mean | -50 | | | | | |
| Appropriate Number of Samples: | 118 | | | | | |
| Standard Deviation of Sample: | 389 | | 0.476 | | | |
| Standard Deviation of Mean: | 123 | | 0.150 | | | |
| Sample Variance: | 151709 | | 0.226 | | | |
| t-value for 90%: | 1.383 | Need to Transform Data | 1.383 | | | |
| Upper Confidence Limit* for 90%: | | | 0.602 | | | |
| Reverse Transformation for 90% | | | 696 | mg/kg | 38 | mg/l |
| t-value for 95%: | | | 1.833 | | | |
| Upper Confidence Limit* for 95%: | | | 0.669 | | | |
| Reverse Transformation for 95% | | | 763 | mg/kg | 40 | mg/l |

## TABLE C-88
## LEAD ANALYSES - 1W RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-RW489-A | 1W1-RW489-A-SF | 420 | 0.1419 | 0.142372384 |
| 1W1 | 1W1-RW489-B | 1W1-RW489-B-SF | 93.6 | 0.0316 | 0.031626894 |
| 1W1 | 1W1-RW489-C | 1W1-RW489-C-SF | 382 | 0.1291 | 0.129414997 |
| 1W1 | 1W1-RW489ABT-D | 1W1-RW489ABT-D-SF | 454 | 0.1534 | 0.153986204 |
| 1W1 | 1W1-RW497ABT-A | 1W1-RW497ABT-A-SF | 116 | 0.0392 | 0.039199227 |
| 1W1 | 1W1-RW497-B | 1W1-RW497-B-SF | 144 | 0.0486 | 0.048667859 |
| 1W1 | 1W1-RW497-C | 1W1-RW497-C-SF | 2960 | 1.0000 | 1.570796327 |
| 1W1 | 1W1-RW497-D | 1W1-RW497-D-SF | 1160 | 0.3919 | 0.402687073 |
| 1W1 | 1W1-RW505ABT-A | 1W1-RW505ABT-A-SF | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW505-B | 1W1-RW505-B-SF | 804 | 0.2716 | 0.275077601 |
| 1W1 | 1W1-RW505-C | 1W1-RW505-C-SF | 72.6 | 0.0245 | 0.024529487 |
| 1W1 | 1W1-RW505ABT-E | 1W1-RW505ABT-E-SF | 880 | 0.2973 | 0.301860709 |
| 1W1 | 1W1-RW523-B | 1W1-RW523-B-SF | 804 | 0.2716 | 0.275077601 |
| 1W1 | 1W1-RW523ABT-C | 1W1-RW523ABT-C-SF | 1130 | 0.3818 | 0.391696263 |
| 1W1 | 1W1-RW99-A | 1W1-RW99-A-SF | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW99-B | 1W1-RW99-B-SF | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW99ABT-C | 1W1-RW99ABT-C-SF | 19.7 | 0.0067 | 0.006655455 |
| 1W1 | 1W1-RW99ABT-D | 1W1-RW99ABT-D-SF | 64.3 | 0.0217 | 0.021724682 |
| 1W1 | 1W1-RW505-D | 1W1-RW505-D-SF | 414 | 0.1399 | 0.140324937 |
| 1W1 | 1W1-RW515ABT-A | 1W1-RW515ABT-A-SF | 1620 | 0.5473 | 0.579131542 |
| 1W1 | 1W1-RW515-B | 1W1-RW515-B-SF | 1610 | 0.5439 | 0.575100252 |
| 1W1 | 1W1-RW523-A | 1W1-RW523-A-SF | 262 | 0.0885 | 0.088629502 |

| **Total Lead** | Max TTLC: | 2960.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 22 | | 22 | | | |
| Sample Mean : | 610 | | 0.237 | | | |
| Delta = RT - mean | -260 | | | | | |
| Appropriate Number of Samples: | 14 | | | | | |
| Standard Deviation of Sample: | 733 | | 0.349 | | | |
| Standard Deviation of Mean: | 156 | | 0.074 | | | |
| Sample Variance: | 537933 | | 0.122 | | | |
| t-value for 90%: | 1.323 | Need to Transform Data | 1.323 | | | |
| Upper Confidence Limit* for 90%: | | | 0.335 | | | |
| Reverse Transformation for 90% | | | 973 | mg/kg | 52 | mg/l |
| t-value for 95%: | | | 1.721 | | | |
| Upper Confidence Limit* for 95%: | | | 0.365 | | | |
| Reverse Transformation for 95% | | | 1055 | mg/kg | 56 | mg/l |

# TABLE C-89
## LEAD ANALYSES - 1W RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-RW489-A | 1W1-RW489-A-1 | 100 | 0.1140 | 0.114273629 |
| 1W1 | 1W1-RW489-B | 1W1-RW489-B-1 | 334 | 0.3808 | 0.390708682 |
| 1W1 | 1W1-RW489-C | 1W1-RW489-C-1 | 30.3 | 0.0345 | 0.034556478 |
| 1W1 | 1W1-RW489ABT-D | 1W1-RW489ABT-D-1 | 175 | 0.1995 | 0.200892437 |
| 1W1 | 1W1-RW497ABT-A | 1W1-RW497ABT-A-1 | 877 | 1.0000 | 1.570796327 |
| 1W1 | 1W1-RW497-B | 1W1-RW497-B-1 | 196 | 0.2235 | 0.225392722 |
| 1W1 | 1W1-RW497-C | 1W1-RW497-C-1 | 12.6 | 0.0144 | 0.014367655 |
| 1W1 | 1W1-RW497-D | 1W1-RW497-D-1 | 5 | 0.0057 | 0.005701285 |
| 1W1 | 1W1-RW505ABT-A | 1W1-RW505ABT-A-1 | 5 | 0.0057 | 0.005701285 |
| 1W1 | 1W1-RW505-B | 1W1-RW505-B-1 | 279 | 0.3181 | 0.323756345 |
| 1W1 | 1W1-RW505-C | 1W1-RW505-C-1 | 5 | 0.0057 | 0.005701285 |
| 1W1 | 1W1-RW523-A | 1W1-RW523-A-1 | 5 | 0.0057 | 0.005701285 |
| 1W1 | 1W1-RW523-B | 1W1-RW523-B-1 | 225 | 0.2566 | 0.259457702 |
| 1W1 | 1W1-RW523-B | 1W1-RW523-B-1.5 | 359 | 0.4094 | 0.421741586 |
| 1W1 | 1W1-RW523ABT-C | 1W1-RW523ABT-C-1 | 238 | 0.2714 | 0.274826242 |
| 1W1 | 1W1-RW99-A | 1W1-RW99-A-1 | 13 | 0.0148 | 0.014823804 |
| 1W1 | 1W1-RW99-B | 1W1-RW99-B-1 | 36.7 | 0.0418 | 0.041859430 |
| 1W1 | 1W1-RW99ABT-C | 1W1-RW99ABT-C-1 | 13.9 | 0.0158 | 0.015850151 |
| 1W1 | 1W1-RW99ABT-D | 1W1-RW99ABT-D-1 | 60.7 | 0.0692 | 0.069268607 |
| 1W1 | 1W1-RW505-D | 1W1-RW505-D-1 | 15.2 | 0.0173 | 0.017332681 |
| 1W1 | 1W1-RW505ABT-E | 1W1-RW505ABT-E-1 | 465 | 0.5302 | 0.558856067 |
| 1W1 | 1W1-RW515ABT-A | 1W1-RW515ABT-A-1 | 14.9 | 0.0170 | 0.016990555 |
| 1W1 | 1W1-RW515-B | 1W1-RW515-B-1 | 5 | 0.0057 | 0.005701285 |

| **Total Lead** | Max TTLC: | 877.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 23 | | 23 | | | |
| Sample Mean : | 151 | | 0.200 | | | |
| Delta = RT - mean | 199 | | | | | |
| Appropriate Number of Samples: | 2 | | | | | |
| Standard Deviation of Sample: | 210 | | 0.341 | | | |
| Standard Deviation of Mean: | 44 | | 0.071 | | | |
| Sample Variance: | 44245 | | 0.116 | | | |
| t-value for 90%: | 1.321 | Need to Transform Data | 1.321 | | | |
| Upper Confidence Limit* for 90%: | | | 0.294 | | | |
| Reverse Transformation for 90% | | | 254 | mg/kg | 13.6 | mg/l |
| t-value for 95%: | | | 1.717 | | | |
| Upper Confidence Limit* for 95%: | | | 0.322 | | | |
| Reverse Transformation for 95% | | | 277 | mg/kg | 14.8 | mg/l |

# TABLE C-90
## LEAD ANALYSES - 1W RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-RW489-A | 1W1-RW489-A-2 | 18.5 | 0.0407 | 0.040760184 |
| 1W1 | 1W1-RW489-B | 1W1-RW489-B-2 | 202 | 0.4449 | 0.461100474 |
| 1W1 | 1W1-RW489-C | 1W1-RW489-C-2 | 13.1 | 0.0289 | 0.028858631 |
| 1W1 | 1W1-RW489ABT-D | 1W1-RW489ABT-D-2 | 49.2 | 0.1084 | 0.108583290 |
| 1W1 | 1W1-RW497ABT-A | 1W1-RW497ABT-A-2 | 454 | 1.0000 | 1.570796327 |
| 1W1 | 1W1-RW497-B | 1W1-RW497-B-2 | 33 | 0.0727 | 0.072751384 |
| 1W1 | 1W1-RW497-C | 1W1-RW497-C-2 | 10.9 | 0.0240 | 0.024011118 |
| 1W1 | 1W1-RW497-D | 1W1-RW497-D-2 | 12.8 | 0.0282 | 0.028197569 |
| 1W1 | 1W1-RW505ABT-A | 1W1-RW505ABT-A-2.0 | 5 | 0.0110 | 0.011013439 |
| 1W1 | 1W1-RW505-B | 1W1-RW505-B-2.0 | 5 | 0.0110 | 0.011013439 |
| 1W1 | 1W1-RW505-C | 1W1-RW505-C-2.0 | 5 | 0.0110 | 0.011013439 |
| 1W1 | 1W1-RW523-A | 1W1-RW523-A-2 | 5 | 0.0110 | 0.011013439 |
| 1W1 | 1W1-RW523ABT-C | 1W1-RW523ABT-C-2 | 128 | 0.2819 | 0.285813795 |
| 1W1 | 1W1-RW99-A | 1W1-RW99-A-2 | 5 | 0.0110 | 0.011013439 |
| 1W1 | 1W1-RW99-B | 1W1-RW99-B-2 | 23.9 | 0.0526 | 0.052667517 |
| 1W1 | 1W1-RW99ABT-D | 1W1-RW99ABT-D-2 | 21.4 | 0.0471 | 0.047154036 |
| 1W1 | 1W1-RW505-D | 1W1-RW505-D-2 | 18.3 | 0.0403 | 0.040319293 |
| 1W1 | 1W1-RW505ABT-E | 1W1-RW505ABT-E-2 | 10.8 | 0.0238 | 0.023790790 |
| 1W1 | 1W1-RW515ABT-A | 1W1-RW515ABT-A-2 | 5 | 0.0110 | 0.011013439 |
| 1W1 | 1W1-RW515-B | 1W1-RW515-B-2 | 25.1 | 0.0553 | 0.055314547 |

| **Total Lead** | Max TTLC: | 454.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 20 | | 20 | | | |
| Sample Mean : | 53 | | 0.145 | | | |
| Delta = RT - mean | 297 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 106 | | 0.353 | | | |
| Standard Deviation of Mean: | 24 | | 0.079 | | | |
| Sample Variance: | 11297 | | 0.125 | | | |
| t-value for 90%: | 1.328 | Need to Transform Data | 1.328 | | | |
| Upper Confidence Limit* for 90%: | | | 0.250 | | | |
| Reverse Transformation for 90% | | | 112 | mg/kg | 6.0 | mg/l |
| t-value for 95%: | | | 1.729 | | | |
| Upper Confidence Limit* for 95%: | | | 0.282 | | | |
| Reverse Transformation for 95% | | | 126 | mg/kg | 6.7 | mg/l |

## TABLE C-91
## LEAD ANALYSES - 1W RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-RW489-A | 1W1-RW489-A-5 | 252 | 1.0000 | 1.570796327 |
| 1W1 | 1W1-RW489ABT-D | 1W1-RW489ABT-D-5 | 12.7 | 0.0504 | 0.050418183 |
| 1W1 | 1W1-RW489-B | 1W1-RW489-B-5 | 12 | 0.0476 | 0.047637063 |
| 1W1 | 1W1-RW489-C | 1W1-RW489-C-5 | 5 | 0.0198 | 0.019842572 |
| 1W1 | 1W1-RW497ABT-A | 1W1-RW497ABT-A-5 | 143 | 0.5675 | 0.603418183 |
| 1W1 | 1W1-RW497-B | 1W1-RW497-B-5 | 5 | 0.0198 | 0.019842572 |
| 1W1 | 1W1-RW497-C | 1W1-RW497-C-5 | 5 | 0.0198 | 0.019842572 |
| 1W1 | 1W1-RW497-D | 1W1-RW497-D-5 | 41.1 | 0.1631 | 0.163827090 |
| 1W1 | 1W1-RW523-A | 1W1-RW523-A-5 | 5 | 0.0198 | 0.019842572 |
| 1W1 | 1W1-RW523ABT-C | 1W1-RW523ABT-C-5 | 127 | 0.5040 | 0.528187014 |
| 1W1 | 1W1-RW515-B | 1W1-RW515-B-5 | 22.4 | 0.0889 | 0.089006362 |
| 1W1 | 1W1-RW505ABT-A | 1W1-RW505ABT-A-4 | 5 | 0.0198 | 0.019842572 |

| **Total Lead** | Max TTLC: | 252.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 12 | | 12 | | | |
| Sample Mean : | 53 | | 0.263 | | | |
| Delta = RT - mean | 297 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 79 | | 0.460 | | | |
| Standard Deviation of Mean: | 23 | | 0.133 | | | |
| Sample Variance: | 6280 | | 0.211 | | | |
| t-value for 90%: | 1.363 | Need to Transform Data | 1.363 | | | |
| Upper Confidence Limit* for 90%: | | | 0.444 | | | |
| Reverse Transformation for 90% | | | 108 | mg/kg | 5.8 | mg/l |
| t-value for 95%: | | | 1.796 | | | |
| Upper Confidence Limit* for 95%: | | | 0.501 | | | |
| Reverse Transformation for 95% | | | 121 | mg/kg | 6.5 | mg/l |

## TABLE C-92
## LEAD ANALYSES - 1W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-RW489-A | 1W1-RW489-A-SF | 420 | 0.1419 | 0.142372384 |
| 1W1 | 1W1-RW489-B | 1W1-RW489-B-SF | 93.6 | 0.0316 | 0.031626894 |
| 1W1 | 1W1-RW489-C | 1W1-RW489-C-SF | 382 | 0.1291 | 0.129414997 |
| 1W1 | 1W1-RW489ABT-D | 1W1-RW489ABT-D-SF | 454 | 0.1534 | 0.153986204 |
| 1W1 | 1W1-RW497ABT-A | 1W1-RW497ABT-A-SF | 116 | 0.0392 | 0.039199227 |
| 1W1 | 1W1-RW497-B | 1W1-RW497-B-SF | 144 | 0.0486 | 0.048667859 |
| 1W1 | 1W1-RW497-C | 1W1-RW497-C-SF | 2960 | 1.0000 | 1.570796327 |
| 1W1 | 1W1-RW497-D | 1W1-RW497-D-SF | 1160 | 0.3919 | 0.402687073 |
| 1W1 | 1W1-RW505ABT-A | 1W1-RW505ABT-A-SF | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW505-B | 1W1-RW505-B-SF | 804 | 0.2716 | 0.275077601 |
| 1W1 | 1W1-RW505-C | 1W1-RW505-C-SF | 72.6 | 0.0245 | 0.024529487 |
| 1W1 | 1W1-RW505ABT-E | 1W1-RW505ABT-E-SF | 880 | 0.2973 | 0.301860709 |
| 1W1 | 1W1-RW523-B | 1W1-RW523-B-SF | 804 | 0.2716 | 0.275077601 |
| 1W1 | 1W1-RW523ABT-C | 1W1-RW523ABT-C-SF | 1130 | 0.3818 | 0.391696263 |
| 1W1 | 1W1-RW99-A | 1W1-RW99-A-SF | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW99-B | 1W1-RW99-B-SF | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW99ABT-C | 1W1-RW99ABT-C-SF | 19.7 | 0.0067 | 0.006655455 |
| 1W1 | 1W1-RW99ABT-D | 1W1-RW99ABT-D-SF | 64.3 | 0.0217 | 0.021724682 |
| 1W1 | 1W1-RW505-D | 1W1-RW505-D-SF | 414 | 0.1399 | 0.140324937 |
| 1W1 | 1W1-RW515ABT-A | 1W1-RW515ABT-A-SF | 1620 | 0.5473 | 0.579131542 |
| 1W1 | 1W1-RW515-B | 1W1-RW515-B-SF | 1610 | 0.5439 | 0.575100252 |
| 1W1 | 1W1-RW523-A | 1W1-RW523-A-SF | 262 | 0.0885 | 0.088629502 |
| 1W1 | 1W1-RW489-A | 1W1-RW489-A-1 | 100 | 0.0338 | 0.033790214 |
| 1W1 | 1W1-RW489-B | 1W1-RW489-B-1 | 334 | 0.1128 | 0.113078669 |
| 1W1 | 1W1-RW489-C | 1W1-RW489-C-1 | 30.3 | 0.0102 | 0.010236665 |
| 1W1 | 1W1-RW489ABT-D | 1W1-RW489ABT-D-1 | 175 | 0.0591 | 0.059156118 |
| 1W1 | 1W1-RW497ABT-A | 1W1-RW497ABT-A-1 | 877 | 0.2963 | 0.300799374 |
| 1W1 | 1W1-RW497-B | 1W1-RW497-B-1 | 196 | 0.0662 | 0.066264700 |
| 1W1 | 1W1-RW497-C | 1W1-RW497-C-1 | 12.6 | 0.0043 | 0.004256770 |
| 1W1 | 1W1-RW497-D | 1W1-RW497-D-1 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW505ABT-A | 1W1-RW505ABT-A-1 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW505-B | 1W1-RW505-B-1 | 279 | 0.0943 | 0.094396886 |

## TABLE C-92
## LEAD ANALYSES - 1W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-RW505-C | 1W1-RW505-C-1 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW523-A | 1W1-RW523-A-1 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW523-B | 1W1-RW523-B-1 | 225 | 0.0760 | 0.076086906 |
| 1W1 | 1W1-RW523-B | 1W1-RW523-B-1.5 | 359 | 0.1213 | 0.121583112 |
| 1W1 | 1W1-RW523ABT-C | 1W1-RW523ABT-C-1 | 238 | 0.0804 | 0.080492296 |
| 1W1 | 1W1-RW99-A | 1W1-RW99-A-1 | 13 | 0.0044 | 0.004391906 |
| 1W1 | 1W1-RW99-B | 1W1-RW99-B-1 | 36.7 | 0.0124 | 0.012398966 |
| 1W1 | 1W1-RW99ABT-C | 1W1-RW99ABT-C-1 | 13.9 | 0.0047 | 0.004695963 |
| 1W1 | 1W1-RW99ABT-D | 1W1-RW99ABT-D-1 | 60.7 | 0.0205 | 0.020508194 |
| 1W1 | 1W1-RW505-D | 1W1-RW505-D-1 | 15.2 | 0.0051 | 0.005135158 |
| 1W1 | 1W1-RW505ABT-E | 1W1-RW505ABT-E-1 | 465 | 0.1571 | 0.157748026 |
| 1W1 | 1W1-RW515ABT-A | 1W1-RW515ABT-A-1 | 14.9 | 0.0050 | 0.005033805 |
| 1W1 | 1W1-RW515-B | 1W1-RW515-B-1 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW489-A | 1W1-RW489-A-2 | 18.5 | 0.0063 | 0.006250041 |
| 1W1 | 1W1-RW489-B | 1W1-RW489-B-2 | 202 | 0.0682 | 0.068296324 |
| 1W1 | 1W1-RW489-C | 1W1-RW489-C-2 | 13.1 | 0.0044 | 0.004425690 |
| 1W1 | 1W1-RW489ABT-D | 1W1-RW489ABT-D-2 | 49.2 | 0.0166 | 0.016622387 |
| 1W1 | 1W1-RW497ABT-A | 1W1-RW497ABT-A-2 | 454 | 0.1534 | 0.153986204 |
| 1W1 | 1W1-RW497-B | 1W1-RW497-B-2 | 33 | 0.0111 | 0.011148880 |
| 1W1 | 1W1-RW497-C | 1W1-RW497-C-2 | 10.9 | 0.0037 | 0.003682441 |
| 1W1 | 1W1-RW497-D | 1W1-RW497-D-2 | 12.8 | 0.0043 | 0.004324338 |
| 1W1 | 1W1-RW505ABT-A | 1W1-RW505ABT-A-2.0 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW505-B | 1W1-RW505-B-2.0 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW505-C | 1W1-RW505-C-2.0 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW523-A | 1W1-RW523-A-2 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW523ABT-C | 1W1-RW523ABT-C-2 | 128 | 0.0432 | 0.043256732 |
| 1W1 | 1W1-RW99-A | 1W1-RW99-A-2 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW99-B | 1W1-RW99-B-2 | 23.9 | 0.0081 | 0.008074412 |
| 1W1 | 1W1-RW99ABT-D | 1W1-RW99ABT-D-2 | 21.4 | 0.0072 | 0.007229793 |
| 1W1 | 1W1-RW505-D | 1W1-RW505-D-2 | 18.3 | 0.0062 | 0.006182472 |
| 1W1 | 1W1-RW505ABT-E | 1W1-RW505ABT-E-2 | 10.8 | 0.0036 | 0.003648657 |
| 1W1 | 1W1-RW515ABT-A | 1W1-RW515ABT-A-2 | 5 | 0.0017 | 0.001689190 |

## TABLE C-92
## LEAD ANALYSES - 1W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 1W1 | 1W1-RW515-B | 1W1-RW515-B-2 | 25.1 | 0.0085 | 0.008479831 |
| 1W1 | 1W1-RW489-A | 1W1-RW489-A-5 | 252 | 0.0851 | 0.085238315 |
| 1W1 | 1W1-RW489ABT-D | 1W1-RW489ABT-D-5 | 12.7 | 0.0043 | 0.004290554 |
| 1W1 | 1W1-RW489-B | 1W1-RW489-B-5 | 12 | 0.0041 | 0.004054065 |
| 1W1 | 1W1-RW489-C | 1W1-RW489-C-5 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW497ABT-A | 1W1-RW497ABT-A-5 | 143 | 0.0483 | 0.048329623 |
| 1W1 | 1W1-RW497-B | 1W1-RW497-B-5 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW497-C | 1W1-RW497-C-5 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW497-D | 1W1-RW497-D-5 | 41.1 | 0.0139 | 0.013885581 |
| 1W1 | 1W1-RW523-A | 1W1-RW523-A-5 | 5 | 0.0017 | 0.001689190 |
| 1W1 | 1W1-RW523ABT-C | 1W1-RW523ABT-C-5 | 127 | 0.0429 | 0.042918580 |
| 1W1 | 1W1-RW515-B | 1W1-RW515-B-5 | 22.4 | 0.0076 | 0.007567640 |
| 1W1 | 1W1-RW505ABT-A | 1W1-RW505ABT-A-4 | 5 | 0.0017 | 0.001689190 |

| **Total Lead** | Max TTLC: | 2960.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 77 | | 77 | | | |
| Sample Mean : | 241 | | 0.090 | | | |
| Delta = RT - mean | 109 | | | | | |
| Appropriate Number of Samples: | 31 | | | | | |
| Standard Deviation of Sample: | 471 | | 0.211 | | | |
| Standard Deviation of Mean: | 54 | | 0.024 | | | |
| Sample Variance: | 222034 | | 0.044 | | | |
| t-value for 90%: | 1.294 | Need to Transform Data | 1.294 | | | |
| Upper Confidence Limit* for 90%: | | | 0.121 | | | |
| Reverse Transformation for 90% | | | 358 | mg/kg | 19 | mg/l |
| t-value for 95%: | | | 1.668 | | | |
| Upper Confidence Limit* for 95%: | | | 0.130 | | | |
| Reverse Transformation for 95% | | | 385 | mg/kg | 21 | mg/l |

# TABLE C-93
## LEAD ANALYSES - 2W RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W1 | 2W1-RW29-B | 2W1-RW29-B-SF | 794 | 1.0000 | 1.570796327 |
| 2W1 | 2W1-RW29-C | 2W1-RW29-C-SF | 351 | 0.4421 | 0.457900080 |
| 2W1 | 2W1-RW29-D | 2W1-RW29-D-SF | 235 | 0.2960 | 0.300470619 |

| **Total Lead** | Max TTLC: | 794.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 3 | | 3 | | | |
| Sample Mean : | 460 | | 0.776 | | | |
| Delta = RT - mean | -110 | | | | | |
| Appropriate Number of Samples: | 26 | | | | | |
| Standard Deviation of Sample: | 295 | | 0.692 | | | |
| Standard Deviation of Mean: | 170 | | 0.400 | | | |
| Sample Variance: | 87031 | | 0.480 | | | |
| t-value for 90%: | 1.886 | Need to Transform Data | 1.886 | | | |
| Upper Confidence Limit* for 90%: | | | 1.530 | | | |
| Reverse Transformation for 90% | | | 793 | mg/kg | 36 | mg/l |
| t-value for 95%: | | | 2.920 | | | |
| Upper Confidence Limit* for 95%: | | | 1.944 | | | |
| Reverse Transformation for 95% | | | 739 | mg/kg | 34 | mg/l |

# TABLE C-94
## LEAD ANALYSES - 2W RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W1 | 2W1-RW29-B | 2W1-RW29-B-1 | 814 | 1.0000 | 1.570796327 |
| 2W1 | 2W1-RW29-B | 2W1-RW29-B-1.5 | 757 | 0.9300 | 1.194346004 |
| 2W1 | 2W1-RW29-C | 2W1-RW29-C-1 | 371 | 0.4558 | 0.473241541 |
| 2W1 | 2W1-RW29-D | 2W1-RW29-D-1 | 56.6 | 0.0695 | 0.069589322 |

| **Total Lead** | Max TTLC: | 814.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 4 | | 4 | | | |
| Sample Mean : | 500 | | 0.827 | | | |
| Delta = RT - mean | -150 | | | | | |
| Appropriate Number of Samples: | 15 | | | | | |
| Standard Deviation of Sample: | 355 | | 0.680 | | | |
| Standard Deviation of Mean: | 177 | | 0.340 | | | |
| Sample Variance: | 125963 | | 0.462 | | | |
| t-value for 90%: | 1.638 | Need to Transform Data | 1.638 | | | |
| Upper Confidence Limit* for 90%: | | | 1.384 | | | |
| Reverse Transformation for 90% | | | 800 | mg/kg | 38 | mg/l |
| t-value for 95%: | | | 2.353 | | | |
| Upper Confidence Limit* for 95%: | | | 1.627 | | | |
| Reverse Transformation for 95% | | | 813 | mg/kg | 37 | mg/l |

## TABLE C-95
## LEAD ANALYSES - 2W RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W1 | 2W1-RW29-C | 2W1-RW29-C-2 | 316 | 1.0000 | 1.570796327 |

# TABLE C-96
## LEAD ANALYSES - 2W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 2W1 | 2W1-RW29-B | 2W1-RW29-B-SF | 794 | 0.9754 | 1.348664369 |
| 2W1 | 2W1-RW29-C | 2W1-RW29-C-SF | 351 | 0.4312 | 0.445826711 |
| 2W1 | 2W1-RW29-D | 2W1-RW29-D-SF | 235 | 0.2887 | 0.292866433 |
| 2W1 | 2W1-RW29-B | 2W1-RW29-B-1 | 814 | 1.0000 | 1.570796327 |
| 2W1 | 2W1-RW29-B | 2W1-RW29-B-1.5 | 757 | 0.9300 | 1.194346004 |
| 2W1 | 2W1-RW29-C | 2W1-RW29-C-1 | 371 | 0.4558 | 0.473241541 |
| 2W1 | 2W1-RW29-D | 2W1-RW29-D-1 | 56.6 | 0.0695 | 0.069589322 |
| 2W1 | 2W1-RW29-C | 2W1-RW29-C-2 | 316 | 0.3882 | 0.398684541 |

| **Total Lead** | Max TTLC: | 814.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 8 | | 8 | | | |
| Sample Mean : | 462 | | 0.724 | | | |
| Delta = RT - mean | -112 | | | | | |
| Appropriate Number of Samples: | 13 | | | | | |
| Standard Deviation of Sample: | 288 | | 0.559 | | | |
| Standard Deviation of Mean: | 102 | | 0.198 | | | |
| Sample Variance: | 82707 | | 0.313 | | | |
| t-value for 90%: | 1.415 | Need to Transform Data | 1.415 | | | |
| Upper Confidence Limit* for 90%: | | | 1.004 | | | |
| Reverse Transformation for 90% | | | 687 | mg/kg | 31 | mg/l |
| t-value for 95%: | | | 1.895 | | | |
| Upper Confidence Limit* for 95%: | | | 1.099 | | | |
| Reverse Transformation for 95% | | | 725 | mg/kg | 33 | mg/l |

## TABLE C-97
## LEAD ANALYSES - 3W RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W10 | 3W10-RW595-B | 3W10-RW595-B-SF | 37.5 | 0.0125 | 0.012500326 |
| 3W10 | 3W10-RW595-C | 3W10-RW595-C-SF | 37.6 | 0.0125 | 0.012533661 |
| 3W10 | 3W10-RW595-D | 3W10-RW595-D-SF | 60.6 | 0.0202 | 0.020201374 |
| 3W11 | 3W11-RW59ABT-A | 3W11-RW59ABT-A-SF | 219 | 0.0730 | 0.073064992 |
| 3W11 | 3W11-RW59-B | 3W11-RW59-B-SF | 614 | 0.2047 | 0.206123153 |
| 3W11 | 3W11-RW59-C | 3W11-RW59-C-SF | 814 | 0.2713 | 0.274778064 |
| 3W11 | 3W11-RW59-D | 3W11-RW59-D-SF | 449 | 0.1497 | 0.150231134 |
| 3W1 | 3W1-RW535ABT-A | 3W1-RW535ABT-A-SF | 398 | 0.1327 | 0.133058947 |
| 3W1 | 3W1-RW535-B | 3W1-RW535-B-SF | 78.9 | 0.0263 | 0.026303033 |
| 3W1 | 3W1-RW535-C | 3W1-RW535-C-SF | 423 | 0.1410 | 0.141471433 |
| 3W1 | 3W1-RW535-D | 3W1-RW535-D-SF | 1120 | 0.3733 | 0.382599561 |
| 3W6 | 3W6-RW547ABT-D | 3W6-RW547ABT-D-SF | 140 | 0.0467 | 0.046683622 |
| 3W6 | 3W6-RW547-C | 3W6-RW547-C-SF | 478 | 0.1593 | 0.160015322 |
| 3W6 | 3W6-RW553ABT-A | 3W6-RW553ABT-A-SF | 727 | 0.2423 | 0.244770151 |
| 3W6 | 3W6-RW553ABT-D | 3W6-RW553ABT-D-SF | 643 | 0.2143 | 0.216009250 |
| 3W6 | 3W6-RW553-B | 3W6-RW553-B-SF | 245 | 0.0817 | 0.081757719 |
| 3W6 | 3W6-RW553-C | 3W6-RW553-C-SF | 340 | 0.1133 | 0.113577364 |
| 3W6 | 3W6-RW557ABT-A | 3W6-RW557ABT-A-SF | 388 | 0.1293 | 0.129696637 |
| 3W6 | 3W6-RW557-B | 3W6-RW557-B-SF | 1050 | 0.3500 | 0.357571104 |
| 3W6 | 3W6-RW557-D | 3W6-RW557-D-SF | 650 | 0.2167 | 0.218398728 |
| 3W7 | 3W7-RW49-A | 3W7-RW49-A-SF | 1320 | 0.4400 | 0.455598673 |
| 3W7 | 3W7-RW49-C | 3W7-RW49-C-SF | 236 | 0.0787 | 0.078748031 |
| 3W7 | 3W7-RW567ABT-D | 3W7-RW567ABT-D-SF | 108 | 0.0360 | 0.036007781 |
| 3W7 | 3W7-RW567-A | 3W7-RW567-A-SF | 114 | 0.0380 | 0.038009151 |
| 3W7 | 3W7-RW567-B | 3W7-RW567-B-SF | 49.1 | 0.0164 | 0.016367397 |
| 3W7 | 3W7-RW567-C | 3W7-RW567-C-SF | 143 | 0.0477 | 0.047684736 |
| 3W7 | 3W7-RW571ABT-A | 3W7-RW571ABT-A-SF | 194 | 0.0647 | 0.064711822 |
| 3W7 | 3W7-RW571-B | 3W7-RW571-B-SF | 3000 | 1.0000 | 1.570796327 |
| 3W7 | 3W7-RW571-C | 3W7-RW571-C-SF | 30.2 | 0.0101 | 0.010066837 |
| 3W7 | 3W7-RW571-D | 3W7-RW571-D-SF | 69.7 | 0.0232 | 0.023235424 |
| 3W7 | 3W7-RW587-A | 3W7-RW587-A-SF | 17.2 | 0.0057 | 0.005733365 |
| 3W7 | 3W7-RW587-B | 3W7-RW587-B-SF | 19.7 | 0.0066 | 0.006566714 |

## TABLE C-97
## LEAD ANALYSES - 3W RETAINING WALL - SURFACE SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W10 | 3W10-RW595ABT-A | 3W10-RW595ABT-A-SF | 90.5 | 0.0302 | 0.030171244 |
| 3W6 | 3W6-RW547-A | 3W6-RW547-A-SF | 177 | 0.0590 | 0.059034284 |
| 3W6 | 3W6-RW547-B | 3W6-RW547-B-SF | 171 | 0.0570 | 0.057030911 |
| 3W6 | 3W6-RW557-C | 3W6-RW557-C-SF | 703 | 0.2343 | 0.236532751 |
| 3W7 | 3W7-RW49ABT-D | 3W7-RW49ABT-D-SF | 5 | 0.0017 | 0.001666667 |
| 3W7 | 3W7-RW49-B | 3W7-RW49-B-SF | 191 | 0.0637 | 0.063709757 |
| 3W7 | 3W7-RW591-B | 3W7-RW591-B-SF | 208 | 0.0693 | 0.069389003 |
| 3W7 | 3W7-RW591-C | 3W7-RW591-C-SF | 18 | 0.0060 | 0.006000036 |
| 3W7 | 3W7-RW591-D | 3W7-RW591-D-SF | 184 | 0.0613 | 0.061371852 |
| 3W7 | 3W7-RW587ABT-D | 3W7-RW587ABT-D-SF | 224 | 0.0747 | 0.074736220 |
| 3W7 | 3W7-RW591ABT-A | 3W7-RW591ABT-A-SF | 61.4 | 0.0205 | 0.020468096 |
| 3W7 | 3W7-RW587-C | 3W7-RW587-C-SF | 175 | 0.0583 | 0.058366467 |

| **Total Lead** | Max TTLC: | 3000.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 44 | | 44 | | | |
| Sample Mean : | 373 | | 0.147 | | | |
| Delta = RT - mean | -23 | | | | | |
| Appropriate Number of Samples: | 907 | | | | | |
| Standard Deviation of Sample: | 537 | | 0.257 | | | |
| Standard Deviation of Mean: | 81 | | 0.039 | | | |
| Sample Variance: | 288327 | | 0.066 | | | |
| t-value for 90%: | 1.302 | Need to Transform Data | 1.302 | | | |
| Upper Confidence Limit* for 90%: | | | 0.197 | | | |
| Reverse Transformation for 90% | | | 588 | mg/kg | 38 | mg/l |
| t-value for 95%: | | | 1.682 | | | |
| Upper Confidence Limit* for 95%: | | | 0.212 | | | |
| Reverse Transformation for 95% | | | 632 | mg/kg | 41 | mg/l |

# TABLE C-98
## LEAD ANALYSES - 3W RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W10 | 3W10-RW595-B | 3W10-RW595-B-1 | 46.2 | 0.0138 | 0.013791482 |
| 3W10 | 3W10-RW595-D | 3W10-RW595-D-1 | 23.2 | 0.0069 | 0.006925428 |
| 3W11 | 3W11-RW59ABT-A | 3W11-RW59ABT-A-1 | 30.4 | 0.0091 | 0.009074751 |
| 3W11 | 3W11-RW59-B | 3W11-RW59-B-1 | 5 | 0.0015 | 0.001492538 |
| 3W11 | 3W11-RW59-C | 3W11-RW59-C-1 | 606 | 0.1809 | 0.181896919 |
| 3W11 | 3W11-RW59-D | 3W11-RW59-D-1 | 510 | 0.1522 | 0.152833090 |
| 3W1 | 3W1-RW535ABT-A | 3W1-RW535ABT-A-1 | 65.9 | 0.0197 | 0.019672911 |
| 3W1 | 3W1-RW535-B | 3W1-RW535-B-1 | 110 | 0.0328 | 0.032841724 |
| 3W1 | 3W1-RW535-C | 3W1-RW535-C-1 | 34.8 | 0.0104 | 0.010388247 |
| 3W1 | 3W1-RW535-D | 3W1-RW535-D-1 | 48.1 | 0.0144 | 0.014358702 |
| 3W6 | 3W6-RW547-C | 3W6-RW547-C-1 | 86.5 | 0.0258 | 0.025823766 |
| 3W6 | 3W6-RW553ABT-A | 3W6-RW553ABT-A-1 | 665 | 0.1985 | 0.199834842 |
| 3W6 | 3W6-RW553ABT-D | 3W6-RW553ABT-D-1 | 505 | 0.1507 | 0.151323125 |
| 3W6 | 3W6-RW553-B | 3W6-RW553-B-1 | 152 | 0.0454 | 0.045388717 |
| 3W6 | 3W6-RW553-C | 3W6-RW553-C-1 | 369 | 0.1101 | 0.110373216 |
| 3W6 | 3W6-RW557ABT-A | 3W6-RW557ABT-A-1 | 289 | 0.0863 | 0.086376023 |
| 3W6 | 3W6-RW557-B | 3W6-RW557-B-1 | 294 | 0.0878 | 0.087874243 |
| 3W7 | 3W7-RW49-A | 3W7-RW49-A-1 | 56.7 | 0.0169 | 0.016926181 |
| 3W7 | 3W7-RW49-C | 3W7-RW49-C-1 | 5 | 0.0015 | 0.001492538 |
| 3W7 | 3W7-RW567-A | 3W7-RW567-A-1 | 99.4 | 0.0297 | 0.029675997 |
| 3W7 | 3W7-RW567ABT-D | 3W7-RW567ABT-D-1 | 5 | 0.0015 | 0.001492538 |
| 3W7 | 3W7-RW567-B | 3W7-RW567-B-1 | 60.1 | 0.0179 | 0.017941261 |
| 3W7 | 3W7-RW567-C | 3W7-RW567-C-1 | 366 | 0.1093 | 0.109472256 |
| 3W7 | 3W7-RW571ABT-A | 3W7-RW571ABT-A-1 | 186 | 0.0555 | 0.055550955 |
| 3W7 | 3W7-RW571-B | 3W7-RW571-B-1 | 901 | 0.2690 | 0.272308121 |
| 3W7 | 3W7-RW571-C | 3W7-RW571-C-1 | 3350 | 1.0000 | 1.570796327 |
| 3W7 | 3W7-RW571-D | 3W7-RW571-D-1 | 76.5 | 0.0228 | 0.022837806 |
| 3W7 | 3W7-RW587-A | 3W7-RW587-A-1 | 29.3 | 0.0087 | 0.008746380 |
| 3W7 | 3W7-RW587-B | 3W7-RW587-B-1 | 13.2 | 0.0039 | 0.003940309 |
| 3W7 | 3W7-RW587ABT-D | 3W7-RW587ABT-D-1 | 173 | 0.0516 | 0.051664772 |
| 3W6 | 3W6-RW547ABT-D | 3W6-RW547ABT-D-1 | 110 | 0.0328 | 0.032841724 |
| 3W10 | 3W10-RW595ABT-A | 3W10-RW595ABT-A-1 | 37 | 0.0110 | 0.011045001 |

## TABLE C-98
## LEAD ANALYSES - 3W RETAINING WALL - 1 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W10 | 3W10-RW595-C | 3W10-RW595-C-1 | 42.9 | 0.0128 | 0.012806320 |
| 3W6 | 3W6-RW547-A | 3W6-RW547-A-1 | 15.1 | 0.0045 | 0.004507478 |
| 3W6 | 3W6-RW547-B | 3W6-RW547-B-1 | 83.3 | 0.0249 | 0.024868235 |
| 3W6 | 3W6-RW557-D | 3W6-RW557-D-1 | 170 | 0.0507 | 0.050768074 |
| 3W6 | 3W6-RW557-C | 3W6-RW557-C-1 | 14.2 | 0.0042 | 0.004238819 |
| 3W7 | 3W7-RW49ABT-D | 3W7-RW49ABT-D-1 | 15.8 | 0.0047 | 0.004716435 |
| 3W7 | 3W7-RW49-B | 3W7-RW49-B-1 | 20.6 | 0.0061 | 0.006149292 |
| 3W7 | 3W7-RW591-B | 3W7-RW591-B-1 | 202 | 0.0603 | 0.060335107 |
| 3W7 | 3W7-RW591-C | 3W7-RW591-C-1 | 127 | 0.0379 | 0.037919534 |
| 3W7 | 3W7-RW591ABT-A | 3W7-RW591ABT-A-1 | 5 | 0.0015 | 0.001492538 |
| 3W7 | 3W7-RW591-D | 3W7-RW591-D-1 | 95.3 | 0.0284 | 0.028451600 |
| 3W7 | 3W7-RW587-C | 3W7-RW587-C-1 | 207 | 0.0618 | 0.061830434 |

| **Total Lead** | Max TTLC: | 3350.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 44 | | 44 | | | |
| Sample Mean : | 234 | | 0.088 | | | |
| Delta = RT - mean | 116 | | | | | |
| Appropriate Number of Samples: | 38 | | | | | |
| Standard Deviation of Sample: | 545 | | 0.249 | | | |
| Standard Deviation of Mean: | 82 | | 0.037 | | | |
| Sample Variance: | 297381 | | 0.062 | | | |
| t-value for 90%: | 1.302 | Need to Transform Data | 1.302 | | | |
| Upper Confidence Limit* for 90%: | | | 0.137 | | | |
| Reverse Transformation for 90% | | | 457 | mg/kg | 29 | mg/l |
| t-value for 95%: | | | 1.682 | | | |
| Upper Confidence Limit* for 95%: | | | 0.151 | | | |
| Reverse Transformation for 95% | | | 505 | mg/kg | 32 | mg/l |

## TABLE C-99
## LEAD ANALYSES - 3W RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W10 | 3W10-RW595-B | 3W10-RW595-B-2 | 18.4 | 0.0299 | 0.029874573 |
| 3W10 | 3W10-RW595-D | 3W10-RW595-D-2 | 27.2 | 0.0442 | 0.044170205 |
| 3W11 | 3W11-RW59ABT-A | 3W11-RW59ABT-A-2 | 30.9 | 0.0502 | 0.050183398 |
| 3W11 | 3W11-RW59-B | 3W11-RW59-B-2 | 5 | 0.0081 | 0.008116972 |
| 3W11 | 3W11-RW59-C | 3W11-RW59-C-2 | 135 | 0.2192 | 0.220949198 |
| 3W11 | 3W11-RW59-D | 3W11-RW59-D-2 | 20.3 | 0.0330 | 0.032960513 |
| 3W1 | 3W1-RW535ABT-A-2 | 3W1-RW535ABT-A-2 | 5 | 0.0081 | 0.008116972 |
| 3W1 | 3W1-RW535-B | 3W1-RW535-B-2 | 89.9 | 0.1459 | 0.146464654 |
| 3W1 | 3W1-RW535-C | 3W1-RW535-C-2 | 22.5 | 0.0365 | 0.036534101 |
| 3W1 | 3W1-RW535-D | 3W1-RW535-D-2 | 41.6 | 0.0675 | 0.067583905 |
| 3W6 | 3W6-RW547-C | 3W6-RW547-C-2 | 5 | 0.0081 | 0.008116972 |
| 3W6 | 3W6-RW553ABT-A | 3W6-RW553ABT-A-2 | 203 | 0.3295 | 0.335822096 |
| 3W6 | 3W6-RW553ABT-D | 3W6-RW553ABT-D-2 | 251 | 0.4075 | 0.419679221 |
| 3W6 | 3W6-RW553-B | 3W6-RW553-B-2 | 150 | 0.2435 | 0.245979537 |
| 3W6 | 3W6-RW553-C | 3W6-RW553-C-2 | 87.4 | 0.1419 | 0.142363519 |
| 3W6 | 3W6-RW557ABT-A | 3W6-RW557ABT-A-2 | 148 | 0.2403 | 0.242633420 |
| 3W6 | 3W6-RW557-B | 3W6-RW557-B-2 | 151 | 0.2451 | 0.247653647 |
| 3W7 | 3W7-RW567-A | 3W7-RW567-A-2 | 13.2 | 0.0214 | 0.021430212 |
| 3W7 | 3W7-RW567-B | 3W7-RW567-B-2 | 71.8 | 0.1166 | 0.116823993 |
| 3W7 | 3W7-RW567-C | 3W7-RW567-C-2 | 97.7 | 0.1586 | 0.159276490 |
| 3W7 | 3W7-RW571ABT-A | 3W7-RW571ABT-A-2 | 140 | 0.2273 | 0.229276203 |
| 3W7 | 3W7-RW571-B | 3W7-RW571-B-2 | 316 | 0.5130 | 0.538660946 |
| 3W7 | 3W7-RW571-C | 3W7-RW571-C-2 | 616 | 1.0000 | 1.570796327 |
| 3W7 | 3W7-RW571-D | 3W7-RW571-D-2 | 203 | 0.3295 | 0.335822096 |
| 3W7 | 3W7-RW587-A | 3W7-RW587-A-2 | 22.2 | 0.0360 | 0.036046767 |
| 3W7 | 3W7-RW587-B | 3W7-RW587-B-2 | 32.8 | 0.0532 | 0.053271946 |
| 3W6 | 3W6-RW547ABT-D | 3W6-RW547ABT-D-2 | 43.9 | 0.0713 | 0.071326697 |
| 3W6 | 3W6-RW557ABT-A | 3W6-RW557ABT-A-2.5 | 137 | 0.2224 | 0.224278097 |
| 3W10 | 3W10-RW595-C | 3W10-RW595-C-2 | 20.2 | 0.0328 | 0.032798088 |
| 3W6 | 3W6-RW547-A | 3W6-RW547-A-2 | 5 | 0.0081 | 0.008116972 |
| 3W6 | 3W6-RW547-B | 3W6-RW547-B-2 | 5 | 0.0081 | 0.008116972 |
| 3W6 | 3W6-RW557-D | 3W6-RW557-D-2 | 140 | 0.2273 | 0.229276203 |

## TABLE C-99
## LEAD ANALYSES - 3W RETAINING WALL - 2 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W6 | 3W6-RW557-C | 3W6-RW557-C-2 | 34.2 | 0.0555 | 0.055548042 |
| 3W7 | 3W7-RW49ABT-D | 3W7-RW49ABT-D-2 | 5 | 0.0081 | 0.008116972 |
| 3W7 | 3W7-RW49-B | 3W7-RW49-B-2 | 252 | 0.4091 | 0.421457568 |
| 3W7 | 3W7-RW591-B | 3W7-RW591-B-2 | 2.6 | 0.0042 | 0.004220792 |
| 3W7 | 3W7-RW591-C | 3W7-RW591-C-2 | 98.4 | 0.1597 | 0.160427528 |
| 3W7 | 3W7-RW591-D | 3W7-RW591-D-2 | 32.4 | 0.0526 | 0.052621685 |
| 3W7 | 3W7-RW587ABT-D | 3W7-RW587ABT-D-2 | 33 | 0.0536 | 0.053597086 |
| 3W7 | 3W7-RW587-C | 3W7-RW587-C-2 | 199 | 0.3231 | 0.328952581 |

| **Total Lead** | Max TTLC: | 616.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 40 | | 40 | | | |
| Sample Mean : | 98 | | 0.174 | | | |
| Delta = RT - mean | 252 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 119 | | 0.270 | | | |
| Standard Deviation of Mean: | 19 | | 0.043 | | | |
| Sample Variance: | 14232 | | 0.073 | | | |
| t-value for 90%: | 1.304 | Need to Transform Data | 1.304 | | | |
| Upper Confidence Limit* for 90%: | | | 0.230 | | | |
| Reverse Transformation for 90% | | | 140 | mg/kg | 9.0 | mg/l |
| t-value for 95%: | | | 1.685 | | | |
| Upper Confidence Limit* for 95%: | | | 0.246 | | | |
| Reverse Transformation for 95% | | | 150 | mg/kg | 9.6 | mg/l |

# TABLE C-100
## LEAD ANALYSES - 3W RETAINING WALL - 5 FOOT SAMPLE

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W11 | 3W11-RW59-B | 3W11-RW59-B-5 | 47.2 | 0.3420 | 0.349075260 |
| 3W1 | 3W1-RW535ABT-A | 3W1-RW535ABT-A-5 | 11.7 | 0.0848 | 0.084884510 |
| 3W1 | 3W1-RW535-C | 3W1-RW535-C-5 | 5 | 0.0362 | 0.036239816 |
| 3W1 | 3W1-RW535-D | 3W1-RW535-D-5 | 10.4 | 0.0754 | 0.075433838 |
| 3W6 | 3W6-RW553-B | 3W6-RW553-B-5 | 119 | 0.8623 | 1.039831349 |
| 3W6 | 3W6-RW547ABT-D | 3W6-RW547ABT-D-5 | 32.1 | 0.2326 | 0.234759095 |
| 3W6 | 3W6-RW547-A | 3W6-RW547-A-5 | 5 | 0.0362 | 0.036239816 |
| 3W6 | 3W6-RW547-B | 3W6-RW547-B-5 | 138 | 1.0000 | 1.570796327 |
| 3W10 | 3W10-RW595-B | 3W10-RW595-B-4 | 16.8 | 0.1217 | 0.122041858 |
| 3W6 | 3W6-RW547-C | 3W6-RW547-C-4 | 33.2 | 0.2406 | 0.242963059 |
| 3W7 | 3W7-RW567-A | 3W7-RW567-A-4 | 60.3 | 0.4370 | 0.452212294 |
| 3W1 | 3W1-RW535-B | 3W1-RW535-B-4.5 | 99.8 | 0.7232 | 0.808407754 |
| 3W6 | 3W6-RW553-C | 3W6-RW553-C-4.5 | 69.7 | 0.5051 | 0.529465923 |
| 3W7 | 3W7-RW587-A | 3W7-RW587-A-4 | 5 | 0.0362 | 0.036239816 |
| 3W10 | 3W10-RW595-C | 3W10-RW595-C-4.5 | 12.7 | 0.0920 | 0.092159387 |
| 3W7 | 3W7-RW587ABT-D | 3W7-RW587ABT-D-5 | 11.7 | 0.0848 | 0.084884510 |

| **Total Lead** | Max TTLC: | 138.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 16 | | 16 | | | |
| Sample Mean : | 42 | | 0.381 | | | |
| Delta = RT - mean | 308 | | | | | |
| Appropriate Number of Samples: | 0 | | | | | |
| Standard Deviation of Sample: | 44 | | 0.446 | | | |
| Standard Deviation of Mean: | 11 | | 0.112 | | | |
| Sample Variance: | 1944 | | 0.199 | | | |
| t-value for 90%: | 1.341 | Need to Transform Data | 1.341 | | | |
| Upper Confidence Limit* for 90%: | | | 0.530 | | | |
| Reverse Transformation for 90% | | | 70 | mg/kg | 4.5 | mg/l |
| t-value for 95%: | | | 1.753 | | | |
| Upper Confidence Limit* for 95%: | | | 0.576 | | | |
| Reverse Transformation for 95% | | | 75 | mg/kg | 4.8 | mg/l |

## TABLE C-101
## LEAD ANALYSES - 3W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W10 | 3W10-RW595-B | 3W10-RW595-B-SF | 37.5 | 0.0112 | 0.011194264 |
| 3W10 | 3W10-RW595-C | 3W10-RW595-C-SF | 37.6 | 0.0112 | 0.011224116 |
| 3W10 | 3W10-RW595-D | 3W10-RW595-D-SF | 60.6 | 0.0181 | 0.018090539 |
| 3W11 | 3W11-RW59ABT-A | 3W11-RW59ABT-A-SF | 219 | 0.0654 | 0.065419788 |
| 3W11 | 3W11-RW59-B | 3W11-RW59-B-SF | 614 | 0.1833 | 0.184325582 |
| 3W11 | 3W11-RW59-C | 3W11-RW59-C-SF | 814 | 0.2430 | 0.245441972 |
| 3W11 | 3W11-RW59-D | 3W11-RW59-D-SF | 449 | 0.1340 | 0.134434415 |
| 3W1 | 3W1-RW535ABT-A | 3W1-RW535ABT-A-SF | 398 | 0.1188 | 0.119087249 |
| 3W1 | 3W1-RW535-B | 3W1-RW535-B-SF | 78.9 | 0.0236 | 0.023554417 |
| 3W1 | 3W1-RW535-C | 3W1-RW535-C-SF | 423 | 0.1263 | 0.126606620 |
| 3W1 | 3W1-RW535-D | 3W1-RW535-D-SF | 1120 | 0.3343 | 0.340892490 |
| 3W6 | 3W6-RW547ABT-D | 3W6-RW547ABT-D-SF | 140 | 0.0418 | 0.041803219 |
| 3W6 | 3W6-RW547-C | 3W6-RW547-C-SF | 478 | 0.1427 | 0.143175228 |
| 3W6 | 3W6-RW553ABT-A | 3W6-RW553ABT-A-SF | 727 | 0.2170 | 0.218755475 |
| 3W6 | 3W6-RW553ABT-D | 3W6-RW553ABT-D-SF | 643 | 0.1919 | 0.193138824 |
| 3W6 | 3W6-RW553-B | 3W6-RW553-B-SF | 245 | 0.0731 | 0.073199681 |
| 3W6 | 3W6-RW553-C | 3W6-RW553-C-SF | 340 | 0.1015 | 0.101667591 |
| 3W6 | 3W6-RW557ABT-A | 3W6-RW557ABT-A-SF | 388 | 0.1158 | 0.116081417 |
| 3W6 | 3W6-RW557-B | 3W6-RW557-B-SF | 1050 | 0.3134 | 0.318805880 |
| 3W6 | 3W6-RW557-D | 3W6-RW557-D-SF | 650 | 0.1940 | 0.195268410 |
| 3W7 | 3W7-RW49-A | 3W7-RW49-A-SF | 1320 | 0.3940 | 0.405012067 |
| 3W7 | 3W7-RW49-C | 3W7-RW49-C-SF | 236 | 0.0704 | 0.070506162 |
| 3W7 | 3W7-RW567ABT-D | 3W7-RW567ABT-D-SF | 108 | 0.0322 | 0.032244393 |
| 3W7 | 3W7-RW567-A | 3W7-RW567-A-SF | 114 | 0.0340 | 0.034036422 |
| 3W7 | 3W7-RW567-B | 3W7-RW567-B-SF | 49.1 | 0.0147 | 0.014657241 |
| 3W7 | 3W7-RW567-C | 3W7-RW567-C-SF | 143 | 0.0427 | 0.042699541 |
| 3W7 | 3W7-RW571ABT-A | 3W7-RW571ABT-A-SF | 194 | 0.0579 | 0.057942865 |
| 3W7 | 3W7-RW571-B | 3W7-RW571-B-SF | 3000 | 0.8955 | 1.109603682 |
| 3W7 | 3W7-RW571-C | 3W7-RW571-C-SF | 30.2 | 0.0090 | 0.009015047 |
| 3W7 | 3W7-RW571-D | 3W7-RW571-D-SF | 69.7 | 0.0208 | 0.020807472 |
| 3W7 | 3W7-RW587-A | 3W7-RW587-A-SF | 17.2 | 0.0051 | 0.005134351 |
| 3W7 | 3W7-RW587-B | 3W7-RW587-B-SF | 19.7 | 0.0059 | 0.005880631 |

## TABLE C-101
## LEAD ANALYSES - 3W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W10 | 3W10-RW595ABT-A | 3W10-RW595ABT-A-SF | 90.5 | 0.0270 | 0.027018212 |
| 3W6 | 3W6-RW547-A | 3W6-RW547-A-SF | 177 | 0.0528 | 0.052860435 |
| 3W6 | 3W6-RW547-B | 3W6-RW547-B-SF | 171 | 0.0510 | 0.051066969 |
| 3W6 | 3W6-RW557-C | 3W6-RW557-C-SF | 703 | 0.2099 | 0.211422304 |
| 3W7 | 3W7-RW49ABT-D | 3W7-RW49ABT-D-SF | 5 | 0.0015 | 0.001492538 |
| 3W7 | 3W7-RW49-B | 3W7-RW49-B-SF | 191 | 0.0570 | 0.057045860 |
| 3W7 | 3W7-RW591-B | 3W7-RW591-B-SF | 208 | 0.0621 | 0.062129515 |
| 3W7 | 3W7-RW591-C | 3W7-RW591-C-SF | 18 | 0.0054 | 0.005373160 |
| 3W7 | 3W7-RW591-D | 3W7-RW591-D-SF | 184 | 0.0549 | 0.054953027 |
| 3W7 | 3W7-RW587ABT-D | 3W7-RW587ABT-D-SF | 224 | 0.0669 | 0.066915598 |
| 3W7 | 3W7-RW591ABT-A | 3W7-RW591ABT-A-SF | 61.4 | 0.0183 | 0.018329385 |
| 3W7 | 3W7-RW587-C | 3W7-RW587-C-SF | 175 | 0.0522 | 0.052262594 |
| 3W10 | 3W10-RW595-B | 3W10-RW595-B-1 | 46.2 | 0.0138 | 0.013791482 |
| 3W10 | 3W10-RW595-D | 3W10-RW595-D-1 | 23.2 | 0.0069 | 0.006925428 |
| 3W11 | 3W11-RW59ABT-A | 3W11-RW59ABT-A-1 | 30.4 | 0.0091 | 0.009074751 |
| 3W11 | 3W11-RW59-B | 3W11-RW59-B-1 | 5 | 0.0015 | 0.001492538 |
| 3W11 | 3W11-RW59-C | 3W11-RW59-C-1 | 606 | 0.1809 | 0.181896919 |
| 3W11 | 3W11-RW59-D | 3W11-RW59-D-1 | 510 | 0.1522 | 0.152833090 |
| 3W1 | 3W1-RW535ABT-A | 3W1-RW535ABT-A-1 | 65.9 | 0.0197 | 0.019672911 |
| 3W1 | 3W1-RW535-B | 3W1-RW535-B-1 | 110 | 0.0328 | 0.032841724 |
| 3W1 | 3W1-RW535-C | 3W1-RW535-C-1 | 34.8 | 0.0104 | 0.010388247 |
| 3W1 | 3W1-RW535-D | 3W1-RW535-D-1 | 48.1 | 0.0144 | 0.014358702 |
| 3W6 | 3W6-RW547-C | 3W6-RW547-C-1 | 86.5 | 0.0258 | 0.025823766 |
| 3W6 | 3W6-RW553ABT-A | 3W6-RW553ABT-A-1 | 665 | 0.1985 | 0.199834842 |
| 3W6 | 3W6-RW553ABT-D | 3W6-RW553ABT-D-1 | 505 | 0.1507 | 0.151323125 |
| 3W6 | 3W6-RW553-B | 3W6-RW553-B-1 | 152 | 0.0454 | 0.045388717 |
| 3W6 | 3W6-RW553-C | 3W6-RW553-C-1 | 369 | 0.1101 | 0.110373216 |
| 3W6 | 3W6-RW557ABT-A | 3W6-RW557ABT-A-1 | 289 | 0.0863 | 0.086376023 |
| 3W6 | 3W6-RW557-B | 3W6-RW557-B-1 | 294 | 0.0878 | 0.087874243 |
| 3W7 | 3W7-RW49-A | 3W7-RW49-A-1 | 56.7 | 0.0169 | 0.016926181 |
| 3W7 | 3W7-RW49-C | 3W7-RW49-C-1 | 5 | 0.0015 | 0.001492538 |
| 3W7 | 3W7-RW567-A | 3W7-RW567-A-1 | 99.4 | 0.0297 | 0.029675997 |

## TABLE C-101
## LEAD ANALYSES - 3W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W7 | 3W7-RW567ABT-D | 3W7-RW567ABT-D-1 | 5 | 0.0015 | 0.001492538 |
| 3W7 | 3W7-RW567-B | 3W7-RW567-B-1 | 60.1 | 0.0179 | 0.017941261 |
| 3W7 | 3W7-RW567-C | 3W7-RW567-C-1 | 366 | 0.1093 | 0.109472256 |
| 3W7 | 3W7-RW571ABT-A | 3W7-RW571ABT-A-1 | 186 | 0.0555 | 0.055550955 |
| 3W7 | 3W7-RW571-B | 3W7-RW571-B-1 | 901 | 0.2690 | 0.272308121 |
| 3W7 | 3W7-RW571-C | 3W7-RW571-C-1 | 3350 | 1.0000 | 1.570796327 |
| 3W7 | 3W7-RW571-D | 3W7-RW571-D-1 | 76.5 | 0.0228 | 0.022837806 |
| 3W7 | 3W7-RW587-A | 3W7-RW587-A-1 | 29.3 | 0.0087 | 0.008746380 |
| 3W7 | 3W7-RW587-B | 3W7-RW587-B-1 | 13.2 | 0.0039 | 0.003940309 |
| 3W7 | 3W7-RW587ABT-D | 3W7-RW587ABT-D-1 | 173 | 0.0516 | 0.051664772 |
| 3W6 | 3W6-RW547ABT-D | 3W6-RW547ABT-D-1 | 110 | 0.0328 | 0.032841724 |
| 3W10 | 3W10-RW595ABT-A | 3W10-RW595ABT-A-1 | 37 | 0.0110 | 0.011045001 |
| 3W10 | 3W10-RW595-C | 3W10-RW595-C-1 | 42.9 | 0.0128 | 0.012806320 |
| 3W6 | 3W6-RW547-A | 3W6-RW547-A-1 | 15.1 | 0.0045 | 0.004507478 |
| 3W6 | 3W6-RW547-B | 3W6-RW547-B-1 | 83.3 | 0.0249 | 0.024868235 |
| 3W6 | 3W6-RW557-D | 3W6-RW557-D-1 | 170 | 0.0507 | 0.050768074 |
| 3W6 | 3W6-RW557-C | 3W6-RW557-C-1 | 14.2 | 0.0042 | 0.004238819 |
| 3W7 | 3W7-RW49ABT-D | 3W7-RW49ABT-D-1 | 15.8 | 0.0047 | 0.004716435 |
| 3W7 | 3W7-RW49-B | 3W7-RW49-B-1 | 20.6 | 0.0061 | 0.006149292 |
| 3W7 | 3W7-RW591-B | 3W7-RW591-B-1 | 202 | 0.0603 | 0.060335107 |
| 3W7 | 3W7-RW591-C | 3W7-RW591-C-1 | 127 | 0.0379 | 0.037919534 |
| 3W7 | 3W7-RW591ABT-A | 3W7-RW591ABT-A-1 | 5 | 0.0015 | 0.001492538 |
| 3W7 | 3W7-RW591-D | 3W7-RW591-D-1 | 95.3 | 0.0284 | 0.028451600 |
| 3W7 | 3W7-RW587-C | 3W7-RW587-C-1 | 207 | 0.0618 | 0.061830434 |
| 3W10 | 3W10-RW595-B | 3W10-RW595-B-2 | 18.4 | 0.0055 | 0.005492565 |
| 3W10 | 3W10-RW595-D | 3W10-RW595-D-2 | 27.2 | 0.0081 | 0.008119492 |
| 3W11 | 3W11-RW59ABT-A | 3W11-RW59ABT-A-2 | 30.9 | 0.0092 | 0.009224011 |
| 3W11 | 3W11-RW59-B | 3W11-RW59-B-2 | 5 | 0.0015 | 0.001492538 |
| 3W11 | 3W11-RW59-C | 3W11-RW59-C-2 | 135 | 0.0403 | 0.040309423 |
| 3W11 | 3W11-RW59-D | 3W11-RW59-D-2 | 20.3 | 0.0061 | 0.006059739 |
| 3W1 | 3W1-RW535ABT-A-2 | 3W1-RW535ABT-A-2 | 5 | 0.0015 | 0.001492538 |
| 3W1 | 3W1-RW535-B | 3W1-RW535-B-2 | 89.9 | 0.0268 | 0.026839043 |

## TABLE C-101
## LEAD ANALYSES - 3W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W1 | 3W1-RW535-C | 3W1-RW535-C-2 | 22.5 | 0.0067 | 0.006716468 |
| 3W1 | 3W1-RW535-D | 3W1-RW535-D-2 | 41.6 | 0.0124 | 0.012418230 |
| 3W6 | 3W6-RW547-C | 3W6-RW547-C-2 | 5 | 0.0015 | 0.001492538 |
| 3W6 | 3W6-RW553ABT-A | 3W6-RW553ABT-A-2 | 203 | 0.0606 | 0.060634162 |
| 3W6 | 3W6-RW553ABT-D | 3W6-RW553ABT-D-2 | 251 | 0.0749 | 0.074995654 |
| 3W6 | 3W6-RW553-B | 3W6-RW553-B-2 | 150 | 0.0448 | 0.044791095 |
| 3W6 | 3W6-RW553-C | 3W6-RW553-C-2 | 87.4 | 0.0261 | 0.026092513 |
| 3W6 | 3W6-RW557ABT-A | 3W6-RW557ABT-A-2 | 148 | 0.0442 | 0.044193489 |
| 3W6 | 3W6-RW557-B | 3W6-RW557-B-2 | 151 | 0.0451 | 0.045089904 |
| 3W7 | 3W7-RW567-A | 3W7-RW567-A-2 | 13.2 | 0.0039 | 0.003940309 |
| 3W7 | 3W7-RW567-B | 3W7-RW567-B-2 | 71.8 | 0.0214 | 0.021434477 |
| 3W7 | 3W7-RW567-C | 3W7-RW567-C-2 | 97.7 | 0.0292 | 0.029168315 |
| 3W7 | 3W7-RW571ABT-A | 3W7-RW571ABT-A-2 | 140 | 0.0418 | 0.041803219 |
| 3W7 | 3W7-RW571-B | 3W7-RW571-B-2 | 316 | 0.0943 | 0.094468808 |
| 3W7 | 3W7-RW571-C | 3W7-RW571-C-2 | 616 | 0.1839 | 0.184932919 |
| 3W7 | 3W7-RW571-D | 3W7-RW571-D-2 | 203 | 0.0606 | 0.060634162 |
| 3W7 | 3W7-RW587-A | 3W7-RW587-A-2 | 22.2 | 0.0066 | 0.006626914 |
| 3W7 | 3W7-RW587-B | 3W7-RW587-B-2 | 32.8 | 0.0098 | 0.009791201 |
| 3W6 | 3W6-RW547ABT-D | 3W6-RW547ABT-D-2 | 43.9 | 0.0131 | 0.013104853 |
| 3W6 | 3W6-RW557ABT-A | 3W6-RW557ABT-A-2.5 | 137 | 0.0409 | 0.040906930 |
| 3W10 | 3W10-RW595-C | 3W10-RW595-C-2 | 20.2 | 0.0060 | 0.006029887 |
| 3W6 | 3W6-RW547-A | 3W6-RW547-A-2 | 5 | 0.0015 | 0.001492538 |
| 3W6 | 3W6-RW547-B | 3W6-RW547-B-2 | 5 | 0.0015 | 0.001492538 |
| 3W6 | 3W6-RW557-D | 3W6-RW557-D-2 | 140 | 0.0418 | 0.041803219 |
| 3W6 | 3W6-RW557-C | 3W6-RW557-C-2 | 34.2 | 0.0102 | 0.010209133 |
| 3W7 | 3W7-RW49ABT-D | 3W7-RW49ABT-D-2 | 5 | 0.0015 | 0.001492538 |
| 3W7 | 3W7-RW49-B | 3W7-RW49-B-2 | 252 | 0.0752 | 0.075295006 |
| 3W7 | 3W7-RW591-B | 3W7-RW591-B-2 | 2.6 | 0.0008 | 0.000776119 |
| 3W7 | 3W7-RW591-C | 3W7-RW591-C-2 | 98.4 | 0.0294 | 0.029377360 |
| 3W7 | 3W7-RW591-D | 3W7-RW591-D-2 | 32.4 | 0.0097 | 0.009671793 |
| 3W7 | 3W7-RW587ABT-D | 3W7-RW587ABT-D-2 | 33 | 0.0099 | 0.009850906 |
| 3W7 | 3W7-RW587-C | 3W7-RW587-C-2 | 199 | 0.0594 | 0.059437977 |

## TABLE C-101
## LEAD ANALYSES - 3W RETAINING WALL - COMBINED LAYERS

| Section | Contractor Borehole ID | Sample ID | Total Lead mg/kg | Total Lead % of Maximum | Transformed Data Arcsine |
|---|---|---|---|---|---|
| 3W11 | 3W11-RW59-B | 3W11-RW59-B-5 | 47.2 | 0.0141 | 0.014090018 |
| 3W1 | 3W1-RW535ABT-A | 3W1-RW535ABT-A-5 | 11.7 | 0.0035 | 0.003492544 |
| 3W1 | 3W1-RW535-C | 3W1-RW535-C-5 | 5 | 0.0015 | 0.001492538 |
| 3W1 | 3W1-RW535-D | 3W1-RW535-D-5 | 10.4 | 0.0031 | 0.003104483 |
| 3W6 | 3W6-RW553-B | 3W6-RW553-B-5 | 119 | 0.0355 | 0.035529863 |
| 3W6 | 3W6-RW547ABT-D | 3W6-RW547ABT-D-5 | 32.1 | 0.0096 | 0.009582236 |
| 3W6 | 3W6-RW547-A | 3W6-RW547-A-5 | 5 | 0.0015 | 0.001492538 |
| 3W6 | 3W6-RW547-B | 3W6-RW547-B-5 | 138 | 0.0412 | 0.041205689 |
| 3W10 | 3W10-RW595-B | 3W10-RW595-B-4 | 16.8 | 0.0050 | 0.005014946 |
| 3W6 | 3W6-RW547-C | 3W6-RW547-C-4 | 33.2 | 0.0099 | 0.009910610 |
| 3W7 | 3W7-RW567-A | 3W7-RW567-A-4 | 60.3 | 0.0180 | 0.018000972 |
| 3W1 | 3W1-RW535-B | 3W1-RW535-B-4.5 | 99.8 | 0.0298 | 0.029795453 |
| 3W6 | 3W6-RW553-C | 3W6-RW553-C-4.5 | 69.7 | 0.0208 | 0.020807472 |
| 3W7 | 3W7-RW587-A | 3W7-RW587-A-4 | 5 | 0.0015 | 0.001492538 |
| 3W10 | 3W10-RW595-C | 3W10-RW595-C-4.5 | 12.7 | 0.0038 | 0.003791054 |
| 3W7 | 3W7-RW587ABT-D | 3W7-RW587ABT-D-5 | 11.7 | 0.0035 | 0.003492544 |

| **Total Lead** | Max TTLC: | 3350.0 | **Transformed Data** | | **Soluble Data** | |
|---|---|---|---|---|---|---|
| Number of Samples: | 144 | | 144 | | | |
| Sample Mean : | 217 | | 0.071 | | | |
| Delta = RT - mean | 133 | | | | | |
| Appropriate Number of Samples: | 17 | | | | | |
| Standard Deviation of Sample: | 425 | | 0.170 | | | |
| Standard Deviation of Mean: | 35 | | 0.014 | | | |
| Sample Variance: | 180826 | | 0.029 | | | |
| t-value for 90%: | 1.288 | Need to Transform Data | 1.288 | | | |
| Upper Confidence Limit* for 90%: | | | 0.089 | | | |
| Reverse Transformation for 90% | | | 297 | mg/kg | 19 | mg/l |
| t-value for 95%: | | | 1.657 | | | |
| Upper Confidence Limit* for 95%: | | | 0.094 | | | |
| Reverse Transformation for 95% | | | 315 | mg/kg | 20 | mg/l |

# APPENDIX D

## CALTRANS HAZ GIS DATABASE EXCEL SPREADSHEET DELIVERABLES

| Project Header | | | |
|---|---|---|---|
| **Contract:** | 43A0012 | | |
| **Task Order:** | 07-106951-8H | | |
| **Name:** | LA 10 KP 45.1/51.6 (PM 28.0 - 31.2) | | |
| **Description:** | Lead investigation on freeway shoulder and on/offramps | | |
| **Type of Study:** | Lead investigation on freeway shoulder and on/offramps | | |
| **Start Date:** | 2/1/01 | | |
| **End Date:** | 5/2/01 | | |

Roadway Definition

| Site ID | Roadway Segment ID | District | County | Route | Beginning Post Mile | BPM Suffix | Ending Post Mile | EPM Suffix | Beginning Kilometer Post | BKP Suffix | Ending Kilometer Post | EKP Suffix |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E-SH | 1 | 7 | LA | 10 | | | | | 45.8 | | 46.5 | |
| 1E-RW | 1 | 7 | LA | 10 | | | | | 46.2 | | 46.5 | |
| 1W-SH | 1 | 7 | LA | 10 | | | | | 48.4 | | 52.7 | |
| 1W-RW | 1 | 7 | LA | 10 | | | | | 48.4 | | 52.7 | |
| 2E-SH | 1 | 7 | LA | 10 | | | | | 47.2 | | 49.2 | |
| 2E-RW | 1 | 7 | LA | 10 | | | | | 46.9 | | 49.2 | |
| 2W-SH | 1 | 7 | LA | 10 | | | | | 52.8 | | 53.3 | |
| 2W-RW | 1 | 7 | LA | 10 | | | | | 52.8 | | 52.9 | |
| 3E-SH | 1 | 7 | LA | 10 | | | | | 49.3 | | 51.1 | |
| 3E-RW | 1 | 7 | LA | 10 | | | | | 49.3 | | 51.1 | |
| 3W-SH | 1 | 7 | LA | 10 | | | | | 53.4 | | 6.2 | |
| 3W-RW | 1 | 7 | LA | 10 | | | | | 53.4 | | 6.2 | |
| 4E-SH | 1 | 7 | LA | 10 | | | | | 51.2 | | 52.7 | |
| 4E-RW | 1 | 7 | LA | 10 | | | | | 51.2 | | 52.7 | |
| 5E-SH | 1 | 7 | LA | 10 | | | | | 52.8 | | 53.9 | |
| 5E-RW | 1 | 7 | LA | 10 | | | | | 52.8 | | 53.1 | |
| 6E-SH | 1 | 7 | LA | 10 | | | | | 54 | | 55.4 | |
| 6E-RW | 1 | 7 | LA | 10 | | | | | 54 | | 55.4 | |
| 7E-SH | 1 | 7 | LA | 10 | | | | | 55.6 | | 58.9 | |
| 7E-RW | 1 | 7 | LA | 10 | | | | | 55.6 | | 58.9 | |
| 8E-SH | 1 | 7 | LA | 10 | | | | | 58.9 | | 60.9 | |
| 8E-RW | 1 | 7 | LA | 10 | | | | | 58.9 | | 60.9 | |
| 9E-RW | 1 | 7 | LA | 10 | | | | | | | | |

| Site ID | Description | Feature | Sequence Number | Point Latitude | Point Longitude |
|---|---|---|---|---|---|
| 1E-SH | Highway Shoulder/Onramp | line | 1 | -118.0527966 | 34.07204112 |
| 1E-SH | Highway Shoulder/Onramp | line | 2 | -118.0522887 | 34.07201009 |
| 1E-SH | Highway Shoulder/Onramp | line | 3 | -118.051769 | 34.07188606 |
| 1E-SH | Highway Shoulder/Onramp | line | 4 | -118.0524702 | 34.07153473 |
| 1E-SH | Highway Shoulder/Onramp | line | 5 | -118.05192 | 34.07183119 |
| 1E-SH | Highway Shoulder/Onramp | line | 6 | -118.0523733 | 34.07140986 |
| 1E-SH | Highway Shoulder/Onramp | line | 7 | -118.0518714 | 34.07165135 |
| 1E-SH | Highway Shoulder/Onramp | line | 8 | -118.0508581 | 34.07149786 |
| | | | | | |
| 1E-RW | Highway Shoulder | line | 1 | -118.0512931 | 34.07165837 |
| 1E-RW | Highway Shoulder | line | 2 | -118.0510887 | 34.0715296 |
| 1E-RW | Highway Shoulder | line | 3 | -118.0508902 | 34.07139226 |
| 1E-RW | Highway Shoulder | line | 4 | -118.0507021 | 34.07143234 |
| | | | | | |
| 1W-SH | Highway Shoulder | line | 1 | -118.0441354 | 34.06932054 |
| 1W-SH | Highway Shoulder | line | 2 | -118.0429669 | 34.06905084 |
| 1W-SH | Highway Shoulder | line | 3 | -118.0415544 | 34.06887963 |
| 1W-SH | Highway Shoulder | line | 4 | -118.0403742 | 34.06874333 |
| 1W-SH | Highway Shoulder | line | 5 | -118.0389884 | 34.06863093 |
| 1W-SH | Highway Shoulder | line | 6 | -118.0379052 | 34.06843082 |
| 1W-SH | Highway Shoulder | line | 7 | -118.0367501 | 34.06834431 |
| 1W-SH | Highway Shoulder | line | 8 | -118.035217 | 34.06819148 |
| 1W-SH | Highway Shoulder | line | 9 | -118.0340456 | 34.06815918 |
| 1W-SH | Highway Shoulder | line | 10 | -118.0328996 | 34.06817929 |
| 1W-SH | Highway Shoulder | line | 11 | -118.0316994 | 34.06814433 |
| | | | | | |
| 1W-RW | Highway Shoulder/Offramp | line | 1 | -118.0435021 | 34.06918186 |
| 1W-RW | Highway Shoulder/Offramp | line | 2 | -118.0423448 | 34.06904264 |
| 1W-RW | Highway Shoulder/Offramp | line | 3 | -118.0431312 | 34.06908728 |
| 1W-RW | Highway Shoulder/Offramp | line | 4 | -118.042691 | 34.06900985 |
| 1W-RW | Highway Shoulder/Offramp | line | 5 | -118.0419855 | 34.06901952 |
| 1W-RW | Highway Shoulder/Offramp | line | 6 | -118.0415342 | 34.068859 |
| 1W-RW | Highway Shoulder/Offramp | line | 7 | -118.0409871 | 34.06881518 |
| 1W-RW | Highway Shoulder/Offramp | line | 8 | -118.040556 | 34.06877629 |
| 1W-RW | Highway Shoulder/Offramp | line | 9 | -118.0392697 | 34.06868081 |
| 1W-RW | Highway Shoulder/Offramp | line | 10 | -118.036165 | 34.0683552 |
| 1W-RW | Highway Shoulder/Offramp | line | 11 | -118.0385727 | 34.06858683 |
| 1W-RW | Highway Shoulder/Offramp | line | 12 | -118.0378728 | 34.0685207 |
| 1W-RW | Highway Shoulder/Offramp | line | 13 | -118.0369338 | 34.06839494 |
| 1W-RW | Highway Shoulder/Offramp | line | 14 | -118.0357816 | 34.06828842 |
| 1W-RW | Highway Shoulder/Offramp | line | 15 | -118.0344096 | 34.06823999 |
| 1W-RW | Highway Shoulder/Offramp | line | 16 | -118.0330297 | 34.06823855 |
| 1W-RW | Highway Shoulder/Offramp | line | 17 | -118.0308111 | 34.06830025 |
| 1W-RW | Highway Shoulder/Offramp | line | 18 | -118.0315325 | 34.06828225 |
| 1W-RW | Highway Shoulder/Offramp | line | 19 | -118.040335 | 34.06883837 |
| 1W-RW | Highway Shoulder/Offramp | line | 20 | -118.0398781 | 34.06875844 |
| 1W-RW | Highway Shoulder/Offramp | line | 21 | -118.0396053 | 34.0687035 |
| 1W-RW | Highway Shoulder/Offramp | line | 22 | -118.0400318 | 34.06888597 |
| | | | | | |
| 2E-SH | Highway Shoulder/Offramp | line | 1 | -118.0484119 | 34.07048885 |
| 2E-SH | Highway Shoulder/Offramp | line | 2 | -118.047397 | 34.07004731 |

| | | | | | |
|---|---|---|---|---|---|
| 2E-SH | Highway Shoulder/Offramp | line | 3 | -118.0463383 | 34.06961978 |
| 2E-SH | Highway Shoulder/Offramp | line | 4 | -118.0454981 | 34.06928472 |
| 2E-SH | Highway Shoulder/Offramp | line | 5 | -118.0443969 | 34.06883543 |
| 2E-SH | Highway Shoulder/Offramp | line | 6 | -118.0431909 | 34.06845123 |
| 2E-SH | Highway Shoulder/Offramp | line | 7 | -118.0440718 | 34.06879151 |
| 2E-SH | Highway Shoulder/Offramp | line | 8 | -118.0431479 | 34.06872047 |
| 2E-SH | Highway Shoulder/Offramp | line | 9 | -118.0438556 | 34.06876459 |
| 2E-SH | Highway Shoulder/Offramp | line | 10 | -118.0429819 | 34.0684954 |
| | | | | | |
| 2E-RW | Highway Shoulder/Offramp | line | 1 | -118.0430019 | 34.06867865 |
| 2E-RW | Highway Shoulder/Offramp | line | 2 | -118.0427343 | 34.06866376 |
| 2E-RW | Highway Shoulder/Offramp | line | 3 | -118.0425739 | 34.06860402 |
| 2E-RW | Highway Shoulder/Offramp | line | 4 | -118.0423549 | 34.06856706 |
| 2E-RW | Highway Shoulder/Offramp | line | 5 | -118.0491355 | 34.07073293 |
| 2E-RW | Highway Shoulder/Offramp | line | 6 | -118.049091 | 34.07069494 |
| 2E-RW | Highway Shoulder/Offramp | line | 7 | -118.0490513 | 34.07069398 |
| 2E-RW | Highway Shoulder/Offramp | line | 8 | -118.0489742 | 34.07066775 |
| 2E-RW | Highway Shoulder/Offramp | line | 9 | -118.0442773 | 34.06887665 |
| 2E-RW | Highway Shoulder/Offramp | line | 10 | -118.0440697 | 34.06863866 |
| 2E-RW | Highway Shoulder/Offramp | line | 11 | -118.0438826 | 34.06860934 |
| 2E-RW | Highway Shoulder/Offramp | line | 12 | -118.0437129 | 34.06856401 |
| | | | | | |
| 2W-SH | On/Offramp | line | 1 | -118.0303558 | 34.06819655 |
| 2W-SH | On/Offramp | line | 2 | -118.0298881 | 34.06879766 |
| 2W-SH | On/Offramp | line | 3 | -118.0300263 | 34.06838113 |
| 2W-SH | On/Offramp | line | 4 | -118.0298322 | 34.06853866 |
| 2W-SH | On/Offramp | line | 5 | -118.0295255 | 34.06819797 |
| 2W-SH | On/Offramp | line | 6 | -118.0298214 | 34.0682354 |
| 2W-SH | On/Offramp | line | 7 | -118.0290865 | 34.06825884 |
| 2W-SH | On/Offramp | line | 8 | -118.0296408 | 34.06842681 |
| 2W-SH | On/Offramp | line | 9 | -118.0295459 | 34.06888658 |
| 2W-SH | On/Offramp | line | 10 | -118.0291549 | 34.06896693 |
| | | | | | |
| 2W-RW | Onramp | line | 1 | -118.0303514 | 34.06834405 |
| 2W-RW | Onramp | line | 2 | -118.030318 | 34.06832602 |
| 2W-RW | Onramp | line | 3 | -118.0301814 | 34.06844882 |
| | | | | | |
| 3E-SH | Highway Shoulder/Onramp | line | 1 | -118.0415647 | 34.06847711 |
| 3E-SH | Highway Shoulder/Onramp | line | 2 | -118.0408257 | 34.06843234 |
| 3E-SH | Highway Shoulder/Onramp | line | 3 | -118.0419102 | 34.06843702 |
| 3E-SH | Highway Shoulder/Onramp | line | 4 | -118.0412512 | 34.06834024 |
| 3E-SH | Highway Shoulder/Onramp | line | 5 | -118.0405467 | 34.06823587 |
| 3E-SH | Highway Shoulder/Onramp | line | 6 | -118.0398299 | 34.06821989 |
| 3E-SH | Highway Shoulder/Onramp | line | 7 | -118.0388622 | 34.06811928 |
| 3E-SH | Highway Shoulder/Onramp | line | 8 | -118.0381112 | 34.06802262 |
| 3E-SH | Highway Shoulder/Onramp | line | 9 | -118.0374541 | 34.06797204 |
| 3E-SH | Highway Shoulder/Onramp | line | 10 | -118.0366484 | 34.06789829 |
| | | | | | |
| 3E-RW | Highway Shoulder/Onramp | line | 1 | -118.0420706 | 34.06851553 |
| 3E-RW | Highway Shoulder/Onramp | line | 2 | -118.0416502 | 34.06847901 |
| 3E-RW | Highway Shoulder/Onramp | line | 3 | -118.0411595 | 34.06841024 |
| 3E-RW | Highway Shoulder/Onramp | line | 4 | -118.040617 | 34.0683775 |
| 3E-RW | Highway Shoulder/Onramp | line | 5 | -118.0392616 | 34.06808693 |

| | | | | | |
|---|---|---|---|---|---|
| 3E-RW | Highway Shoulder/Onramp | line | 6 | -118.0389826 | 34.06807196 |
| 3E-RW | Highway Shoulder/Onramp | line | 7 | -118.0386988 | 34.06796883 |
| 3E-RW | Highway Shoulder/Onramp | line | 8 | -118.0384626 | 34.06794479 |
| 3E-RW | Highway Shoulder/Onramp | line | 9 | -118.0361753 | 34.06792962 |
| 3E-RW | Highway Shoulder/Onramp | line | 10 | -118.0361748 | 34.06785154 |
| 3E-RW | Highway Shoulder/Onramp | line | 11 | -118.0362755 | 34.06783927 |
| 3E-RW | Highway Shoulder/Onramp | line | 12 | -118.0361794 | 34.06788123 |
| 3E-RW | Highway Shoulder/Onramp | line | 13 | -118.0408751 | 34.06826357 |
| | | | | | |
| 3W-SH | Highway Shoulder/On/Offramp | line | 1 | -118.0084821 | 34.06418259 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 2 | -118.0017902 | 34.06531403 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 3 | -118.0016465 | 34.06515556 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 4 | -118.0014582 | 34.06549017 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 5 | -118.0282141 | 34.06821997 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 6 | -118.0266256 | 34.06827483 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 7 | -118.0259189 | 34.0689467 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 8 | -118.0256333 | 34.06851877 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 9 | -118.0251916 | 34.06852818 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 10 | -118.0255483 | 34.06827777 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 11 | -118.0252991 | 34.06829671 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 12 | -118.0250449 | 34.06830788 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 13 | -118.0248044 | 34.06831883 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 14 | -118.0255659 | 34.06890682 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 15 | -118.0245675 | 34.0684218 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 16 | -118.0216944 | 34.06794771 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 17 | -118.0210509 | 34.06818696 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 18 | -118.019706 | 34.06737169 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 19 | -118.0182886 | 34.06665137 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 20 | -118.0165815 | 34.06592993 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 21 | -118.015034 | 34.0654524 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 22 | -118.0134616 | 34.06514133 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 23 | -118.0118773 | 34.06480242 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 24 | -118.0098962 | 34.06438501 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 25 | -118.0082819 | 34.06451604 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 26 | -118.0066623 | 34.06445395 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 27 | -118.0207615 | 34.06785417 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 28 | -118.0091937 | 34.0643605 |
| 3W-SH | Highway Shoulder/On/Offramp | line | 29 | -118.0076226 | 34.0643288 |
| | | | | | |
| 3E-RW | Highway Shoulder/Offramp | line | 1 | -118.0093113 | 34.06431403 |
| 3E-RW | Highway Shoulder/Offramp | line | 2 | -118.009259 | 34.06430707 |
| 3E-RW | Highway Shoulder/Offramp | line | 3 | -118.0092135 | 34.06427895 |
| 3E-RW | Highway Shoulder/Offramp | line | 4 | -118.0091736 | 34.06427002 |
| 3E-RW | Highway Shoulder/Offramp | line | 5 | -118.002933 | 34.06504145 |
| 3E-RW | Highway Shoulder/Offramp | line | 6 | -118.0027477 | 34.06504552 |
| 3E-RW | Highway Shoulder/Offramp | line | 7 | -118.0025817 | 34.06510025 |
| 3E-RW | Highway Shoulder/Offramp | line | 8 | -118.0029169 | 34.06503829 |
| 3E-RW | Highway Shoulder/Offramp | line | 9 | -118.0283566 | 34.06830167 |
| 3E-RW | Highway Shoulder/Offramp | line | 10 | -118.0282744 | 34.06831493 |
| 3E-RW | Highway Shoulder/Offramp | line | 11 | -118.0283133 | 34.06838616 |
| 3E-RW | Highway Shoulder/Offramp | line | 12 | -118.0282052 | 34.06834533 |
| 3E-RW | Highway Shoulder/Offramp | line | 13 | -118.024749 | 34.06847717 |
| 3E-RW | Highway Shoulder/Offramp | line | 14 | -118.0230417 | 34.06839466 |

| | | | | | |
|---|---|---|---|---|---|
| 3E-RW | Highway Shoulder/Offramp | line | 15 | -118.0245474 | 34.06842503 |
| 3E-RW | Highway Shoulder/Offramp | line | 16 | -118.0238727 | 34.06840047 |
| 3E-RW | Highway Shoulder/Offramp | line | 17 | -118.0222881 | 34.06817116 |
| 3E-RW | Highway Shoulder/Offramp | line | 18 | -118.0211983 | 34.06782922 |
| 3E-RW | Highway Shoulder/Offramp | line | 19 | -118.0218753 | 34.0680793 |
| 3E-RW | Highway Shoulder/Offramp | line | 20 | -118.021476 | 34.06800856 |
| 3E-RW | Highway Shoulder/Offramp | line | 21 | -118.0210006 | 34.06782974 |
| 3E-RW | Highway Shoulder/Offramp | line | 22 | -118.0209077 | 34.06782879 |
| 3E-RW | Highway Shoulder/Offramp | line | 23 | -118.0207076 | 34.06774165 |
| 3E-RW | Highway Shoulder/Offramp | line | 24 | -118.0205544 | 34.06761883 |
| 3E-RW | Highway Shoulder/Offramp | line | 25 | -118.0061011 | 34.06454166 |
| 3E-RW | Highway Shoulder/Offramp | line | 26 | -118.0055598 | 34.06461793 |
| 3E-RW | Highway Shoulder/Offramp | line | 27 | -118.0059243 | 34.06457444 |
| 3E-RW | Highway Shoulder/Offramp | line | 28 | -118.0057542 | 34.06458445 |
| 3E-RW | Highway Shoulder/Offramp | line | 29 | -118.0175867 | 34.06638071 |
| 3E-RW | Highway Shoulder/Offramp | line | 30 | -118.0174173 | 34.06628811 |
| 3E-RW | Highway Shoulder/Offramp | line | 31 | -118.0175197 | 34.06636155 |
| 3E-RW | Highway Shoulder/Offramp | line | 32 | -118.0174989 | 34.06628854 |
| 3E-RW | Highway Shoulder/Offramp | line | 33 | -118.0171492 | 34.06622482 |
| 3E-RW | Highway Shoulder/Offramp | line | 34 | -118.0171053 | 34.06622272 |
| 3E-RW | Highway Shoulder/Offramp | line | 35 | -118.017028 | 34.06616118 |
| 3E-RW | Highway Shoulder/Offramp | line | 36 | -118.0170036 | 34.06611042 |
| 3E-RW | Highway Shoulder/Offramp | line | 37 | -118.0113295 | 34.06468573 |
| 3E-RW | Highway Shoulder/Offramp | line | 38 | -118.0112437 | 34.0646552 |
| 3E-RW | Highway Shoulder/Offramp | line | 39 | -118.0112981 | 34.06467084 |
| 3E-RW | Highway Shoulder/Offramp | line | 40 | -118.011265 | 34.0646509 |
| 3E-RW | Highway Shoulder/Offramp | line | 41 | -118.0108129 | 34.06460355 |
| 3E-RW | Highway Shoulder/Offramp | line | 42 | -118.0107756 | 34.0645696 |
| 3E-RW | Highway Shoulder/Offramp | line | 43 | -118.0107254 | 34.06458809 |
| 3E-RW | Highway Shoulder/Offramp | line | 44 | -118.0105236 | 34.06464508 |
| | | | | | |
| 4E-SH | Highway Shoulder | line | 1 | -118.0351348 | 34.0678082 |
| 4E-SH | Highway Shoulder | line | 2 | -118.0344954 | 34.06772827 |
| 4E-SH | Highway Shoulder | line | 3 | -118.0338238 | 34.06767708 |
| 4E-SH | Highway Shoulder | line | 4 | -118.0322009 | 34.06767208 |
| 4E-SH | Highway Shoulder | line | 5 | -118.0341692 | 34.0677912 |
| 4E-SH | Highway Shoulder | line | 6 | -118.0335199 | 34.06776619 |
| 4E-SH | Highway Shoulder | line | 7 | -118.0328637 | 34.06776297 |
| 4E-SH | Highway Shoulder | line | 8 | -118.0321337 | 34.06774825 |
| 4E-SH | Highway Shoulder | line | 9 | -118.0314833 | 34.06774834 |
| 4E-SH | Highway Shoulder | line | 10 | -118.030929 | 34.06773539 |
| | | | | | |
| 4E-RW | Highway Shoulder/Offramp | line | 1 | -118.0334838 | 34.06763025 |
| 4E-RW | Highway Shoulder/Offramp | line | 2 | -118.0333034 | 34.06765063 |
| 4E-RW | Highway Shoulder/Offramp | line | 3 | -118.0330773 | 34.06763267 |
| 4E-RW | Highway Shoulder/Offramp | line | 4 | -118.0328486 | 34.06763598 |
| 4E-RW | Highway Shoulder/Offramp | line | 5 | -118.035791 | 34.06777868 |
| 4E-RW | Highway Shoulder/Offramp | line | 6 | -118.0352144 | 34.06779412 |
| 4E-RW | Highway Shoulder/Offramp | line | 7 | -118.0346436 | 34.06767372 |
| 4E-RW | Highway Shoulder/Offramp | line | 8 | -118.0342781 | 34.06763166 |
| 4E-RW | Highway Shoulder/Offramp | line | 9 | -118.0320623 | 34.06764836 |
| 4E-RW | Highway Shoulder/Offramp | line | 10 | -118.0314664 | 34.06769288 |
| 4E-RW | Highway Shoulder/Offramp | line | 11 | -118.0307635 | 34.06777897 |

| | | | | | |
|---|---|---|---|---|---|
| 5E-SH | Highway Shoulder/Offramp | line | 1 | -118.0299919 | 34.06771867 |
| 5E-SH | Highway Shoulder/Offramp | line | 2 | -118.0287855 | 34.06775047 |
| 5E-SH | Highway Shoulder/Offramp | line | 3 | -118.0283104 | 34.0671705 |
| 5E-SH | Highway Shoulder/Offramp | line | 4 | -118.028809 | 34.06719762 |
| 5E-SH | Highway Shoulder/Offramp | line | 5 | -118.0280699 | 34.06778343 |
| 5E-SH | Highway Shoulder/Offramp | line | 6 | -118.0280224 | 34.06762701 |
| 5E-SH | Highway Shoulder/Offramp | line | 7 | -118.0271992 | 34.0671251 |
| 5E-SH | Highway Shoulder/Offramp | line | 8 | -118.0271408 | 34.06788299 |
| 5E-SH | Highway Shoulder/Offramp | line | 9 | -118.02785 | 34.06762695 |
| 5E-SH | Highway Shoulder/Offramp | line | 10 | -118.0272141 | 34.06726487 |
| | | | | | |
| 5E-RW | Highway Shoulder | line | 1 | -118.0305567 | 34.06772121 |
| 5E-RW | Highway Shoulder | line | 2 | -118.0294166 | 34.06771837 |
| 5E-RW | Highway Shoulder | line | 3 | -118.0301789 | 34.06771365 |
| 5E-RW | Highway Shoulder | line | 4 | -118.0298204 | 34.06770993 |
| | | | | | |
| 6E-SH | Highway Shoulder | line | 1 | -118.0262264 | 34.06785283 |
| 6E-SH | Highway Shoulder | line | 2 | -118.025935 | 34.06786661 |
| 6E-SH | Highway Shoulder | line | 3 | -118.0254974 | 34.06791267 |
| 6E-SH | Highway Shoulder | line | 4 | -118.0251224 | 34.06785818 |
| 6E-SH | Highway Shoulder | line | 5 | -118.0246477 | 34.06786057 |
| 6E-SH | Highway Shoulder | line | 6 | -118.0242329 | 34.06789318 |
| 6E-SH | Highway Shoulder | line | 7 | -118.0238124 | 34.06790933 |
| 6E-SH | Highway Shoulder | line | 8 | -118.0233631 | 34.06786664 |
| 6E-SH | Highway Shoulder | line | 9 | -118.0229244 | 34.0678079 |
| 6E-SH | Highway Shoulder | line | 10 | -118.0225752 | 34.06775468 |
| | | | | | |
| 6E-RW | Highway Shoulder | line | 1 | -118.0262073 | 34.06781067 |
| 6E-RW | Highway Shoulder | line | 2 | -118.0259334 | 34.06780695 |
| 6E-RW | Highway Shoulder | line | 3 | -118.0254502 | 34.0677996 |
| 6E-RW | Highway Shoulder | line | 4 | -118.0251296 | 34.0678025 |
| 6E-RW | Highway Shoulder | line | 5 | -118.0223655 | 34.06767573 |
| 6E-RW | Highway Shoulder | line | 6 | -118.0222988 | 34.06769189 |
| 6E-RW | Highway Shoulder | line | 7 | -118.0222183 | 34.06765296 |
| 6E-RW | Highway Shoulder | line | 8 | -118.022247 | 34.06769753 |
| | | | | | |
| 7E-SH | Highway Shoulder/Onramp | line | 1 | -118.0209714 | 34.06739609 |
| 7E-SH | Highway Shoulder/Onramp | line | 2 | -118.0203711 | 34.06695594 |
| 7E-SH | Highway Shoulder/Onramp | line | 3 | -118.0206072 | 34.06696536 |
| 7E-SH | Highway Shoulder/Onramp | line | 4 | -118.0195132 | 34.0667398 |
| 7E-SH | Highway Shoulder/Onramp | line | 5 | -118.0184263 | 34.06623374 |
| 7E-SH | Highway Shoulder/Onramp | line | 6 | -118.0171649 | 34.06569356 |
| 7E-SH | Highway Shoulder/Onramp | line | 7 | -118.0160964 | 34.06534384 |
| 7E-SH | Highway Shoulder/Onramp | line | 8 | -118.0150094 | 34.06502691 |
| 7E-SH | Highway Shoulder/Onramp | line | 9 | -118.0139056 | 34.06482118 |
| 7E-SH | Highway Shoulder/Onramp | line | 10 | -118.0127767 | 34.06456263 |
| | | | | | |
| 7E-RW | Highway Shoulder | line | 1 | -118.0212611 | 34.06740333 |
| 7E-RW | Highway Shoulder | line | 2 | -118.0212511 | 34.06735383 |
| 7E-RW | Highway Shoulder | line | 3 | -118.0211934 | 34.06736891 |
| 7E-RW | Highway Shoulder | line | 4 | -118.0210884 | 34.06732167 |
| 7E-RW | Highway Shoulder | line | 5 | -118.0207178 | 34.06724685 |

| | | | | | |
|---|---|---|---|---|---|
| 7E-RW | Highway Shoulder | line | 6 | -118.0206432 | 34.06712833 |
| 7E-RW | Highway Shoulder | line | 7 | -118.0204055 | 34.06708635 |
| 7E-RW | Highway Shoulder | line | 8 | -118.0203572 | 34.067032 |
| 7E-RW | Highway Shoulder | line | 9 | -118.0174693 | 34.06570872 |
| 7E-RW | Highway Shoulder | line | 10 | -118.0173748 | 34.06569056 |
| 7E-RW | Highway Shoulder | line | 11 | -118.0172911 | 34.06571243 |
| 7E-RW | Highway Shoulder | line | 12 | -118.0172402 | 34.06569288 |
| 7E-RW | Highway Shoulder | line | 13 | -118.0122616 | 34.06438202 |
| 7E-RW | Highway Shoulder | line | 14 | -118.0113807 | 34.06419906 |
| 7E-RW | Highway Shoulder | line | 15 | -118.0118828 | 34.06436976 |
| 7E-RW | Highway Shoulder | line | 16 | -118.0117197 | 34.06423388 |
| 7E-RW | Highway Shoulder | line | 17 | -118.0180897 | 34.06601697 |
| 7E-RW | Highway Shoulder | line | 18 | -118.0175989 | 34.06586257 |
| 7E-RW | Highway Shoulder | line | 19 | -118.0179482 | 34.06596135 |
| 7E-RW | Highway Shoulder | line | 20 | -118.0178301 | 34.06592678 |
| | | | | | |
| 8E-SH | Highway Shoulder/Onramp | line | 1 | -118.0103566 | 34.06406176 |
| 8E-SH | Highway Shoulder/Onramp | line | 2 | -118.0106885 | 34.06382543 |
| 8E-SH | Highway Shoulder/Onramp | line | 3 | -118.0103147 | 34.06389457 |
| 8E-SH | Highway Shoulder/Onramp | line | 4 | -118.0102531 | 34.06374378 |
| 8E-SH | Highway Shoulder/Onramp | line | 5 | -118.0091228 | 34.06379739 |
| 8E-SH | Highway Shoulder/Onramp | line | 6 | -118.0105878 | 34.06361917 |
| 8E-SH | Highway Shoulder/Onramp | line | 7 | -118.0093919 | 34.06367799 |
| 8E-SH | Highway Shoulder/Onramp | line | 8 | -118.0082169 | 34.06376511 |
| 8E-SH | Highway Shoulder/Onramp | line | 9 | -118.0071149 | 34.06386595 |
| 8E-SH | Highway Shoulder/Onramp | line | 10 | -118.0060113 | 34.06405469 |
| 8E-SH | Highway Shoulder/Onramp | line | 11 | -118.0026787 | 34.0645096 |
| 8E-SH | Highway Shoulder/Onramp | line | 12 | -118.001618 | 34.06452601 |
| 8E-SH | Highway Shoulder/Onramp | line | 13 | -118.0015802 | 34.06472075 |
| 8E-SH | Highway Shoulder/Onramp | line | 14 | -118.0015769 | 34.06464095 |
| | | | | | |
| 8E-RW | Highway Shoulder/Onramp | line | 1 | -118.0110051 | 34.06411228 |
| 8E-RW | Highway Shoulder/Onramp | line | 2 | -118.0108278 | 34.06410947 |
| 8E-RW | Highway Shoulder/Onramp | line | 3 | -118.0106725 | 34.06407897 |
| 8E-RW | Highway Shoulder/Onramp | line | 4 | -118.01052 | 34.06404214 |
| 8E-RW | Highway Shoulder/Onramp | line | 5 | -118.009269 | 34.0636266 |
| 8E-RW | Highway Shoulder/Onramp | line | 6 | -118.0083198 | 34.0636527 |
| 8E-RW | Highway Shoulder/Onramp | line | 7 | -118.0073667 | 34.06379437 |
| 8E-RW | Highway Shoulder/Onramp | line | 8 | -118.006421 | 34.06395989 |
| 8E-RW | Highway Shoulder/Onramp | line | 9 | -118.0032965 | 34.06438921 |
| 8E-RW | Highway Shoulder/Onramp | line | 10 | -118.0028962 | 34.06442375 |
| 8E-RW | Highway Shoulder/Onramp | line | 11 | -118.0025233 | 34.06448331 |
| 8E-RW | Highway Shoulder/Onramp | line | 12 | -118.0020838 | 34.06447054 |
| | | | | | |
| 9E-RW | Island | line | 1 | -118.0529064 | 34.07233789 |
| 9E-RW | Island | line | 2 | -118.0528594 | 34.07235839 |
| 9E-RW | Island | line | 3 | -118.0527946 | 34.07233995 |
| 9E-RW | Island | line | 4 | -118.0527591 | 34.07234762 |

| Expenditure Authorization Number |
| --- |
| 106951 |

Borehole Samples

| Site ID | Roadway Segment ID | Contractor Borehole ID | Borehole Description | Borehole Latitude | Borehole Longitude | Borehole Depth | BHD Units | Parcel Number | Sample ID | Sample Date | Sample Depth | SD Units | Matrix |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E | 1 | 1E1-A | Hand Auger Borehole | -118.0527966 | 34.07204112 | 2 | feet | | 1E1-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E1-A | Hand Auger Borehole | -118.0527966 | 34.07204112 | 2 | feet | | 1E1-A-1 | 3/9/2001 | 1 | feet | soil |
| 1E | 1 | 1E1-A | Hand Auger Borehole | -118.0527966 | 34.07204112 | 2 | feet | | 1E1-A-2 | 3/9/2001 | 2 | feet | soil |
| 1E | 1 | 1E1-B | Hand Auger Borehole | -118.0522887 | 34.07201009 | 2 | feet | | 1E1-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E1-B | Hand Auger Borehole | -118.0522887 | 34.07201009 | 2 | feet | | 1E1-B-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E1-B | Hand Auger Borehole | -118.0522887 | 34.07201009 | 2 | feet | | 1E1-B-2 | 3/7/2001 | 2 | feet | soil |
| 1E | 1 | 1E1-C | Hand Auger Borehole | -118.051769 | 34.07188606 | 2 | feet | | 1E1-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E1-C | Hand Auger Borehole | -118.051769 | 34.07188606 | 2 | feet | | 1E1-C-1 | 3/9/2001 | 1 | feet | soil |
| 1E | 1 | 1E1-C | Hand Auger Borehole | -118.051769 | 34.07188606 | 2 | feet | | 1E1-C-2 | 3/9/2001 | 2 | feet | soil |
| 1E | 1 | 1E2-A | Hand Auger Borehole | -118.0524702 | 34.07153473 | 2 | feet | | 1E2-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E2-A | Hand Auger Borehole | -118.0524702 | 34.07153473 | 2 | feet | | 1E2-A-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E2-A | Hand Auger Borehole | -118.0524702 | 34.07153473 | 2 | feet | | 1E2-A-2 | 3/7/2001 | 2 | feet | soil |
| 1E | 1 | 1E2-B | Hand Auger Borehole | -118.05192 | 34.07183119 | 2 | feet | | 1E2-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E2-B | Hand Auger Borehole | -118.05192 | 34.07183119 | 2 | feet | | 1E2-B-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E2-B | Hand Auger Borehole | -118.05192 | 34.07183119 | 2 | feet | | 1E2-B-2 | 3/7/2001 | 2 | feet | soil |
| 1E | 1 | 1E3-A | Hand Auger Borehole | -118.0523733 | 34.07140986 | 2 | feet | | 1E3-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E3-A | Hand Auger Borehole | -118.0523733 | 34.07140986 | 2 | feet | | 1E3-A-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E3-A | Hand Auger Borehole | -118.0523733 | 34.07140986 | 2 | feet | | 1E3-A-2 | 3/7/2001 | 2 | feet | soil |
| 1E | 1 | 1E3-B | Hand Auger Borehole | -118.0518714 | 34.07165135 | 2 | feet | | 1E3-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E3-B | Hand Auger Borehole | -118.0518714 | 34.07165135 | 2 | feet | | 1E3-B-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E3-B | Hand Auger Borehole | -118.0518714 | 34.07165135 | 2 | feet | | 1E3-B-2 | 3/7/2001 | 2 | feet | soil |
| 1E | 1 | 1E3-D | Hand Auger Borehole | -118.0508581 | 34.07149786 | 2 | feet | | 1E3-D-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E3-D | Hand Auger Borehole | -118.0508581 | 34.07149786 | 2 | feet | | 1E3-D-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E3-D | Hand Auger Borehole | -118.0508581 | 34.07149786 | 2 | feet | | 1E3-D-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-A | Mechanical Borehole | -118.0484119 | 34.07048885 | 2 | feet | | 2E1-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-A | Mechanical Borehole | -118.0484119 | 34.07048885 | 2 | feet | | 2E1-A-1 | 3/9/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-A | Mechanical Borehole | -118.0484119 | 34.07048885 | 2 | feet | | 2E1-A-2 | 3/9/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-B | Mechanical Borehole | -118.047397 | 34.07004731 | 2 | feet | | 2E1-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-B | Mechanical Borehole | -118.047397 | 34.07004731 | 2 | feet | | 2E1-B-1 | 3/9/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-B | Mechanical Borehole | -118.047397 | 34.07004731 | 2 | feet | | 2E1-B-2 | 3/9/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-C | Mechanical Borehole | -118.0463383 | 34.06961978 | 2 | feet | | 2E1-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-C | Mechanical Borehole | -118.0463383 | 34.06961978 | 2 | feet | | 2E1-C-1 | 3/9/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-C | Mechanical Borehole | -118.0463383 | 34.06961978 | 2 | feet | | 2E1-C-2 | 3/9/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-D | Mechanical Borehole | -118.0454981 | 34.06928472 | 2 | feet | | 2E1-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-D | Mechanical Borehole | -118.0454981 | 34.06928472 | 2 | feet | | 2E1-D-1 | 3/9/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-D | Mechanical Borehole | -118.0454981 | 34.06928472 | 2 | feet | | 2E1-D-2 | 3/9/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-E | Mechanical Borehole | -118.0443969 | 34.06883543 | 2 | feet | | 2E1-E-SF | 3/9/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-E | Mechanical Borehole | -118.0443969 | 34.06883543 | 2 | feet | | 2E1-E-1 | 3/9/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-E | Mechanical Borehole | -118.0443969 | 34.06883543 | 2 | feet | | 2E1-E-2 | 3/9/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-F | Hand Auger Borehole | -118.0431909 | 34.06845123 | 2 | feet | | 2E1-F-SF | 3/9/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-F | Hand Auger Borehole | -118.0431909 | 34.06845123 | 2 | feet | | 2E1-F-1 | 3/9/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-F | Hand Auger Borehole | -118.0431909 | 34.06845123 | 2 | feet | | 2E1-F-2 | 3/9/2001 | 2 | feet | soil |
| 2E | 1 | 2E2-A | Hand Auger Borehole | -118.0440718 | 34.06879151 | 2 | feet | | 2E2-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E2-A | Hand Auger Borehole | -118.0440718 | 34.06879151 | 2 | feet | | 2E2-A-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E2-A | Hand Auger Borehole | -118.0440718 | 34.06879151 | 2 | feet | | 2E2-A-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E2-B | Hand Auger Borehole | -118.0431479 | 34.06872047 | 2 | feet | | 2E2-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E2-B | Hand Auger Borehole | -118.0431479 | 34.06872047 | 2 | feet | | 2E2-B-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E2-B | Hand Auger Borehole | -118.0431479 | 34.06872047 | 2 | feet | | 2E2-B-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E3-A | Hand Auger Borehole | -118.0438556 | 34.06876459 | 2 | feet | | 2E3-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E3-A | Hand Auger Borehole | -118.0438556 | 34.06876459 | 2 | feet | | 2E3-A-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E3-B | Mechanical Borehole | -118.0429819 | 34.0684954 | 2 | feet | | 2E3-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E3-B | Mechanical Borehole | -118.0429819 | 34.0684954 | 2 | feet | | 2E3-B-1 | 3/9/2001 | 1 | feet | soil |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2E | 1 | 2E3-B | Mechanical Borehole | -118.0429819 | 34.0684954 | 2 | feet | 2E3-B-2 | 3/9/2001 | 2 | feet | soil |
| 3E | 1 | 3E1-A | Hand Auger Borehole | -118.0415647 | 34.06847711 | 2 | feet | 3E1-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E1-A | Hand Auger Borehole | -118.0415647 | 34.06847711 | 2 | feet | 3E1-A-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E1-A | Hand Auger Borehole | -118.0415647 | 34.06847711 | 2 | feet | 3E1-A-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E1-B | Hand Auger Borehole | -118.0408257 | 34.06843234 | 2 | feet | 3E1-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E1-B | Hand Auger Borehole | -118.0408257 | 34.06843234 | 2 | feet | 3E1-B-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E1-B | Hand Auger Borehole | -118.0408257 | 34.06843234 | 2 | feet | 3E1-B-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E2-A | Hand Auger Borehole | -118.0419102 | 34.06843702 | 2 | feet | 3E2-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E2-A | Hand Auger Borehole | -118.0419102 | 34.06843702 | 2 | feet | 3E2-A-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E2-A | Hand Auger Borehole | -118.0419102 | 34.06843702 | 2 | feet | 3E2-A-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-A | Hand Auger Borehole | -118.0412512 | 34.06834024 | 2 | feet | 3E3-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-A | Hand Auger Borehole | -118.0412512 | 34.06834024 | 2 | feet | 3E3-A-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-A | Hand Auger Borehole | -118.0412512 | 34.06834024 | 2 | feet | 3E3-A-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-B | Hand Auger Borehole | -118.0405467 | 34.06823587 | 2 | feet | 3E3-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-B | Hand Auger Borehole | -118.0405467 | 34.06823587 | 2 | feet | 3E3-B-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-B | Hand Auger Borehole | -118.0405467 | 34.06823587 | 2 | feet | 3E3-B-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-C | Hand Auger Borehole | -118.0398299 | 34.06821989 | 2 | feet | 3E3-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-C | Hand Auger Borehole | -118.0398299 | 34.06821989 | 2 | feet | 3E3-C-1 | 3/9/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-C | Hand Auger Borehole | -118.0398299 | 34.06821989 | 2 | feet | 3E3-C-2 | 3/9/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-D | Hand Auger Borehole | -118.0388622 | 34.06811928 | 2 | feet | 3E3-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-D | Hand Auger Borehole | -118.0388622 | 34.06811928 | 2 | feet | 3E3-D-1 | 3/9/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-D | Hand Auger Borehole | -118.0388622 | 34.06811928 | 2 | feet | 3E3-D-2 | 3/9/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-E | Hand Auger Borehole | -118.0381112 | 34.06802262 | 2 | feet | 3E3-E-SF | 3/9/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-E | Hand Auger Borehole | -118.0381112 | 34.06802262 | 2 | feet | 3E3-E-1 | 3/9/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-E | Hand Auger Borehole | -118.0381112 | 34.06802262 | 2 | feet | 3E3-E-2 | 3/9/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-F | Hand Auger Borehole | -118.0374541 | 34.06797204 | 2 | feet | 3E3-F-SF | 3/9/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-F | Hand Auger Borehole | -118.0374541 | 34.06797204 | 2 | feet | 3E3-F-1 | 3/9/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-F | Hand Auger Borehole | -118.0374541 | 34.06797204 | 2 | feet | 3E3-F-2 | 3/9/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-G | Hand Auger Borehole | -118.0366484 | 34.06789829 | 2 | feet | 3E3-G-SF | 3/9/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-G | Hand Auger Borehole | -118.0366484 | 34.06789829 | 2 | feet | 3E3-G-1 | 3/9/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-G | Hand Auger Borehole | -118.0366484 | 34.06789829 | 2 | feet | 3E3-G-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-A | Hand Auger Borehole | -118.0351348 | 34.0678082 | 2 | feet | 4E1-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-A | Hand Auger Borehole | -118.0351348 | 34.0678082 | 2 | feet | 4E1-A-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-A | Hand Auger Borehole | -118.0351348 | 34.0678082 | 2 | feet | 4E1-A-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-B | Hand Auger Borehole | -118.0344954 | 34.06772827 | 2 | feet | 4E1-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-B | Hand Auger Borehole | -118.0344954 | 34.06772827 | 2 | feet | 4E1-B-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-B | Hand Auger Borehole | -118.0344954 | 34.06772827 | 2 | feet | 4E1-B-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-C | Hand Auger Borehole | -118.0338238 | 34.06767708 | 2 | feet | 4E1-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-C | Hand Auger Borehole | -118.0338238 | 34.06767708 | 2 | feet | 4E1-C-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-C | Hand Auger Borehole | -118.0338238 | 34.06767708 | 2 | feet | 4E1-C-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-D | Hand Auger Borehole | -118.0322009 | 34.06767208 | 2 | feet | 4E1-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-D | Hand Auger Borehole | -118.0322009 | 34.06767208 | 2 | feet | 4E1-D-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-D | Hand Auger Borehole | -118.0322009 | 34.06767208 | 2 | feet | 4E1-D-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E2-A | Hand Auger Borehole | -118.0341692 | 34.0677912 | 2 | feet | 4E2-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-A | Hand Auger Borehole | -118.0341692 | 34.0677912 | 2 | feet | 4E2-A-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-A | Hand Auger Borehole | -118.0341692 | 34.0677912 | 2 | feet | 4E2-A-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E2-B | Hand Auger Borehole | -118.0335199 | 34.06776619 | 2 | feet | 4E2-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-B | Hand Auger Borehole | -118.0335199 | 34.06776619 | 2 | feet | 4E2-B-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-B | Hand Auger Borehole | -118.0335199 | 34.06776619 | 2 | feet | 4E2-B-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E2-C | Hand Auger Borehole | -118.0328637 | 34.06776297 | 2 | feet | 4E2-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-C | Hand Auger Borehole | -118.0328637 | 34.06776297 | 2 | feet | 4E2-C-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-C | Hand Auger Borehole | -118.0328637 | 34.06776297 | 2 | feet | 4E2-C-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E2-D | Hand Auger Borehole | -118.0321337 | 34.06774825 | 2 | feet | 4E2-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-D | Hand Auger Borehole | -118.0321337 | 34.06774825 | 2 | feet | 4E2-D-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-D | Hand Auger Borehole | -118.0321337 | 34.06774825 | 2 | feet | 4E2-D-2 | 3/9/2001 | 2 | feet | soil |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4E | 1 | 4E2-E | Hand Auger Borehole | -118.0314833 | 34.06774834 | 2 | feet | | 4E2-E-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-E | Hand Auger Borehole | -118.0314833 | 34.06774834 | 2 | feet | | 4E2-E-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-E | Hand Auger Borehole | -118.0314833 | 34.06774834 | 2 | feet | | 4E2-E-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E2-F | Hand Auger Borehole | -118.030929 | 34.06773539 | 2 | feet | | 4E2-F-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-F | Hand Auger Borehole | -118.030929 | 34.06773539 | 2 | feet | | 4E2-F-1 | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-F | Hand Auger Borehole | -118.030929 | 34.06773539 | 2 | feet | | 4E2-F-2 | 3/7/2001 | 2 | feet | soil |
| 5E | 1 | 5E1-A | Hand Auger Borehole | -118.0299919 | 34.06771867 | 2 | feet | | 5E1-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E1-A | Hand Auger Borehole | -118.0299919 | 34.06771867 | 2 | feet | | 5E1-A-1 | 3/9/2001 | 1 | feet | soil |
| 5E | 1 | 5E1-A | Hand Auger Borehole | -118.0299919 | 34.06771867 | 2 | feet | | 5E1-A-2 | 3/9/2001 | 2 | feet | soil |
| 5E | 1 | 5E2-A | Hand Auger Borehole | -118.0287855 | 34.06775047 | 2 | feet | | 5E2-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E2-A | Hand Auger Borehole | -118.0287855 | 34.06775047 | 2 | feet | | 5E2-A-1 | 3/9/2001 | 1 | feet | soil |
| 5E | 1 | 5E2-A | Hand Auger Borehole | -118.0287855 | 34.06775047 | 2 | feet | | 5E2-A-2 | 3/9/2001 | 2 | feet | soil |
| 5E | 1 | 5E2-B | Hand Auger Borehole | -118.0283104 | 34.0671705 | 2 | feet | | 5E2-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E2-B | Hand Auger Borehole | -118.0283104 | 34.0671705 | 2 | feet | | 5E2-B-1 | 3/7/2001 | 1 | feet | soil |
| 5E | 1 | 5E2-B | Hand Auger Borehole | -118.0283104 | 34.0671705 | 2 | feet | | 5E2-B-2 | 3/7/2001 | 2 | feet | soil |
| 5E | 1 | 5E2-C | Hand Auger Borehole | -118.028809 | 34.06719762 | 2 | feet | | 5E2-C-SF | 3/7/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E2-C | Hand Auger Borehole | -118.028809 | 34.06719762 | 2 | feet | | 5E2-C-1 | 3/7/2001 | 1 | feet | soil |
| 5E | 1 | 5E2-C | Hand Auger Borehole | -118.028809 | 34.06719762 | 2 | feet | | 5E2-C-2 | 3/7/2001 | 2 | feet | soil |
| 5E | 1 | 5E3-A | Hand Auger Borehole | -118.0280699 | 34.06778343 | 2 | feet | | 5E3-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E3-A | Hand Auger Borehole | -118.0280699 | 34.06778343 | 2 | feet | | 5E3-A-1 | 3/9/2001 | 1 | feet | soil |
| 5E | 1 | 5E3-A | Hand Auger Borehole | -118.0280699 | 34.06778343 | 2 | feet | | 5E3-A-2 | 3/9/2001 | 2 | feet | soil |
| 5E | 1 | 5E4-A | Hand Auger Borehole | -118.0280224 | 34.06762701 | 2 | feet | | 5E4-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E4-A | Hand Auger Borehole | -118.0280224 | 34.06762701 | 2 | feet | | 5E4-A-1 | 3/9/2001 | 1 | feet | soil |
| 5E | 1 | 5E4-B | Hand Auger Borehole | -118.0271992 | 34.0671251 | 2 | feet | | 5E4-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E4-B | Hand Auger Borehole | -118.0271992 | 34.0671251 | 2 | feet | | 5E4-B-1 | 3/7/2001 | 1 | feet | soil |
| 5E | 1 | 5E4-B | Hand Auger Borehole | -118.0271992 | 34.0671251 | 2 | feet | | 5E4-B-2 | 3/7/2001 | 2 | feet | soil |
| 5E | 1 | 5E5-A | Hand Auger Borehole | -118.0271408 | 34.06788299 | 2 | feet | | 5E5-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E5-A | Hand Auger Borehole | -118.0271408 | 34.06788299 | 2 | feet | | 5E5-A-1 | 3/9/2001 | 1 | feet | soil |
| 5E | 1 | 5E5-A | Hand Auger Borehole | -118.0271408 | 34.06788299 | 2 | feet | | 5E5-A-2 | 3/9/2001 | 2 | feet | soil |
| 5E | 1 | 5E5-B | Hand Auger Borehole | -118.02785 | 34.06762695 | 2 | feet | | 5E5-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E5-B | Hand Auger Borehole | -118.02785 | 34.06762695 | 2 | feet | | 5E5-B-1 | 3/7/2001 | 1 | feet | soil |
| 5E | 1 | 5E5-B | Hand Auger Borehole | -118.02785 | 34.06762695 | 2 | feet | | 5E5-B-2 | 3/7/2001 | 2 | feet | soil |
| 5E | 1 | 5E5-C | Hand Auger Borehole | -118.0272141 | 34.06726487 | 2 | feet | | 5E5-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E5-C | Hand Auger Borehole | -118.0272141 | 34.06726487 | 2 | feet | | 5E5-C-1 | 3/9/2001 | 1 | feet | soil |
| 5E | 1 | 5E5-C | Hand Auger Borehole | -118.0272141 | 34.06726487 | 2 | feet | | 5E5-C-2 | 3/9/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-A | Hand Auger Borehole | -118.0262264 | 34.06785283 | 2 | feet | | 6E1-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-A | Hand Auger Borehole | -118.0262264 | 34.06785283 | 2 | feet | | 6E1-A-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-A | Hand Auger Borehole | -118.0262264 | 34.06785283 | 2 | feet | | 6E1-A-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-B | Hand Auger Borehole | -118.025935 | 34.06786661 | 2 | feet | | 6E1-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-B | Hand Auger Borehole | -118.025935 | 34.06786661 | 2 | feet | | 6E1-B-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-B | Hand Auger Borehole | -118.025935 | 34.06786661 | 2 | feet | | 6E1-B-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-C | Hand Auger Borehole | -118.0254974 | 34.06791267 | 2 | feet | | 6E1-C-SF | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-C | Hand Auger Borehole | -118.0254974 | 34.06791267 | 2 | feet | | 6E1-C-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-C | Hand Auger Borehole | -118.0254974 | 34.06791267 | 2 | feet | | 6E1-C-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-D | Hand Auger Borehole | -118.0251224 | 34.06785818 | 2 | feet | | 6E1-D-SF | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-D | Hand Auger Borehole | -118.0251224 | 34.06785818 | 2 | feet | | 6E1-D-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-D | Hand Auger Borehole | -118.0251224 | 34.06785818 | 2 | feet | | 6E1-D-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-E | Mechanical Borehole | -118.0246477 | 34.06786057 | 2 | feet | | 6E1-E-SF | 3/9/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-E | Mechanical Borehole | -118.0246477 | 34.06786057 | 2 | feet | | 6E1-E-1 | 3/9/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-E | Mechanical Borehole | -118.0246477 | 34.06786057 | 2 | feet | | 6E1-E-2 | 3/9/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-F | Mechanical Borehole | -118.0242329 | 34.06789318 | 2 | feet | | 6E1-F-SF | 3/9/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-F | Mechanical Borehole | -118.0242329 | 34.06789318 | 2 | feet | | 6E1-F-1 | 3/9/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-F | Mechanical Borehole | -118.0242329 | 34.06789318 | 2 | feet | | 6E1-F-2 | 3/9/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-G | Mechanical Borehole | -118.0238124 | 34.06790933 | 2 | feet | | 6E1-G-SF | 3/9/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-G | Mechanical Borehole | -118.0238124 | 34.06790933 | 2 | feet | | 6E1-G-1 | 3/9/2001 | 1 | feet | soil |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6E | 1 | 6E1-G | Mechanical Borehole | -118.0238124 | 34.06790933 | 2 | feet | | 6E1-G-2 | 3/9/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-H | Mechanical Borehole | -118.0233631 | 34.06786664 | 2 | feet | | 6E1-H-SF | 3/9/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-H | Mechanical Borehole | -118.0233631 | 34.06786664 | 2 | feet | | 6E1-H-1 | 3/9/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-H | Mechanical Borehole | -118.0233631 | 34.06786664 | 2 | feet | | 6E1-H-2 | 3/9/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-I | Mechanical Borehole | -118.0229244 | 34.0678079 | 2 | feet | | 6E1-I-SF | 3/9/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-I | Mechanical Borehole | -118.0229244 | 34.0678079 | 2 | feet | | 6E1-I-1 | 3/9/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-I | Mechanical Borehole | -118.0229244 | 34.0678079 | 2 | feet | | 6E1-I-2 | 3/9/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-J | Mechanical Borehole | -118.0225752 | 34.06775468 | 2 | feet | | 6E1-J-SF | 3/9/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-J | Mechanical Borehole | -118.0225752 | 34.06775468 | 2 | feet | | 6E1-J-1 | 3/9/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-J | Mechanical Borehole | -118.0225752 | 34.06775468 | 2 | feet | | 6E1-J-2 | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E1-A | Hand Auger Borehole | -118.0209714 | 34.06739609 | 2 | feet | | 7E1-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-A | Hand Auger Borehole | -118.0209714 | 34.06739609 | 2 | feet | | 7E1-A-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-A | Hand Auger Borehole | -118.0209714 | 34.06739609 | 2 | feet | | 7E1-A-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E2-A | Mechanical Borehole | -118.0203711 | 34.06695594 | 2 | feet | | 7E2-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E2-A | Mechanical Borehole | -118.0203711 | 34.06695594 | 2 | feet | | 7E2-A-1 | 3/9/2001 | 1 | feet | soil |
| 7E | 1 | 7E2-A | Mechanical Borehole | -118.0203711 | 34.06695594 | 2 | feet | | 7E2-A-2 | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-A | Hand Auger Borehole | -118.0206072 | 34.06696536 | 2 | feet | | 7E3-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-A | Hand Auger Borehole | -118.0206072 | 34.06696536 | 2 | feet | | 7E3-A-1 | 3/9/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-A | Hand Auger Borehole | -118.0206072 | 34.06696536 | 2 | feet | | 7E3-A-2 | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-B | Mechanical Borehole | -118.0195132 | 34.0667398 | 2 | feet | | 7E3-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-B | Mechanical Borehole | -118.0195132 | 34.0667398 | 2 | feet | | 7E3-B-1 | 3/9/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-B | Mechanical Borehole | -118.0195132 | 34.0667398 | 2 | feet | | 7E3-B-2 | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-C | Mechanical Borehole | -118.0184263 | 34.06623374 | 2 | feet | | 7E3-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-C | Mechanical Borehole | -118.0184263 | 34.06623374 | 2 | feet | | 7E3-C-1 | 3/9/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-C | Mechanical Borehole | -118.0184263 | 34.06623374 | 2 | feet | | 7E3-C-2 | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-D | Hand Auger Borehole | -118.0171649 | 34.06569356 | 0 | feet | | 7E3-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-E | Hand Auger Borehole | -118.0160964 | 34.06534384 | 0 | feet | | 7E3-E-SF | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-F | Hand Auger Borehole | -118.0150094 | 34.06502691 | 0 | feet | | 7E3-F-SF | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-G | Hand Auger Borehole | -118.0139056 | 34.06482118 | 0 | feet | | 7E3-G-SF | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-H | Hand Auger Borehole | -118.0127767 | 34.06456263 | 0 | feet | | 7E3-H-SF | 3/9/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E1-A | Hand Auger Borehole | -118.0103566 | 34.06406176 | 2 | feet | | 8E1-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E1-A | Hand Auger Borehole | -118.0103566 | 34.06406176 | 2 | feet | | 8E1-A-1 | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E1-A | Hand Auger Borehole | -118.0103566 | 34.06406176 | 2 | feet | | 8E1-A-2 | 3/7/2001 | 2 | feet | soil |
| 8E | 1 | 8E2-A | Hand Auger Borehole | -118.0106885 | 34.06382543 | 1 | feet | | 8E2-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E2-A | Hand Auger Borehole | -118.0106885 | 34.06382543 | 1 | feet | | 8E2-A-1 | 3/9/2001 | 1 | feet | soil |
| 8E | 1 | 8E3-A | Hand Auger Borehole | -118.0103147 | 34.06389457 | 2 | feet | | 8E3-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E3-A | Hand Auger Borehole | -118.0103147 | 34.06389457 | 2 | feet | | 8E3-A-1 | 3/9/2001 | 1 | feet | soil |
| 8E | 1 | 8E3-A | Hand Auger Borehole | -118.0103147 | 34.06389457 | 2 | feet | | 8E3-A-2 | 3/9/2001 | 2 | feet | soil |
| 8E | 1 | 8E4-A | Hand Auger Borehole | -118.0102531 | 34.06374378 | 2 | feet | | 8E4-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E4-A | Hand Auger Borehole | -118.0102531 | 34.06374378 | 2 | feet | | 8E4-A-1 | 3/9/2001 | 1 | feet | soil |
| 8E | 1 | 8E4-A | Hand Auger Borehole | -118.0102531 | 34.06374378 | 2 | feet | | 8E4-A-2 | 3/9/2001 | 2 | feet | soil |
| 8E | 1 | 8E4-B | Hand Auger Borehole | -118.0091228 | 34.06379739 | 2 | feet | | 8E4-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E4-B | Hand Auger Borehole | -118.0091228 | 34.06379739 | 2 | feet | | 8E4-B-1 | 3/9/2001 | 1 | feet | soil |
| 8E | 1 | 8E4-B | Hand Auger Borehole | -118.0091228 | 34.06379739 | 2 | feet | | 8E4-B-2 | 3/9/2001 | 2 | feet | soil |
| 8E | 1 | 8E5-A | Hand Auger Borehole | -118.0105878 | 34.06361917 | 1 | feet | | 8E5-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E5-A | Hand Auger Borehole | -118.0105878 | 34.06361917 | 1 | feet | | 8E5-A-1 | 3/9/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-B | Hand Auger Borehole | -118.0093919 | 34.06367799 | 2 | feet | | 8E5-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E5-B | Hand Auger Borehole | -118.0093919 | 34.06367799 | 2 | feet | | 8E5-B-1 | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-B | Hand Auger Borehole | -118.0093919 | 34.06367799 | 2 | feet | | 8E5-B-2 | 3/7/2001 | 2 | feet | soil |
| 8E | 1 | 8E5-C | Hand Auger Borehole | -118.0082169 | 34.06376511 | 2 | feet | | 8E5-C-SF | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E5-C | Hand Auger Borehole | -118.0082169 | 34.06376511 | 2 | feet | | 8E5-C-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-C | Hand Auger Borehole | -118.0082169 | 34.06376511 | 2 | feet | | 8E5-C-2 | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E5-D | Hand Auger Borehole | -118.0071149 | 34.06386595 | 2 | feet | | 8E5-D-SF | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E5-D | Hand Auger Borehole | -118.0071149 | 34.06386595 | 2 | feet | | 8E5-D-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-D | Hand Auger Borehole | -118.0071149 | 34.06386595 | 2 | feet | | 8E5-D-2 | 3/8/2001 | 2 | feet | soil |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8E | 1 | 8E5-E | Hand Auger Borehole | -118.0060113 | 34.06405469 | 2 | feet | | 8E5-E-SF | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E5-E | Hand Auger Borehole | -118.0060113 | 34.06405469 | 2 | feet | | 8E5-E-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-E | Hand Auger Borehole | -118.0060113 | 34.06405469 | 2 | feet | | 8E5-E-2 | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E6-A | Hand Auger Borehole | -118.0026787 | 34.0645096 | 2 | feet | | 8E6-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E6-A | Hand Auger Borehole | -118.0026787 | 34.0645096 | 2 | feet | | 8E6-A-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E6-A | Hand Auger Borehole | -118.0026787 | 34.0645096 | 2 | feet | | 8E6-A-2 | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E6-B | Hand Auger Borehole | -118.001618 | 34.06452601 | 2 | feet | | 8E6-B-SF | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E6-B | Hand Auger Borehole | -118.001618 | 34.06452601 | 2 | feet | | 8E6-B-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E6-B | Hand Auger Borehole | -118.001618 | 34.06452601 | 2 | feet | | 8E6-B-2 | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E7-A | Hand Auger Borehole | -118.0015802 | 34.06472075 | 1 | feet | | 8E7-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E7-A | Hand Auger Borehole | -118.0015802 | 34.06472075 | 1 | feet | | 8E7-A-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E8-A | Hand Auger Borehole | -118.0015769 | 34.06464095 | 1 | feet | | 8E8-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E8-A | Hand Auger Borehole | -118.0015769 | 34.06464095 | 1 | feet | | 8E8-A-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-A | Hand Auger Borehole | -118.0441354 | 34.06932054 | 2 | feet | | 1W1-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-A | Hand Auger Borehole | -118.0441354 | 34.06932054 | 2 | feet | | 1W1-A-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-A | Hand Auger Borehole | -118.0441354 | 34.06932054 | 2 | feet | | 1W1-A-2 | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-B | Hand Auger Borehole | -118.0429669 | 34.06905084 | 2 | feet | | 1W1-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-B | Hand Auger Borehole | -118.0429669 | 34.06905084 | 2 | feet | | 1W1-B-1 | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-B | Hand Auger Borehole | -118.0429669 | 34.06905084 | 2 | feet | | 1W1-B-2 | 3/9/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-C | Hand Auger Borehole | -118.0415544 | 34.06887963 | 2 | feet | | 1W1-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-C | Hand Auger Borehole | -118.0415544 | 34.06887963 | 2 | feet | | 1W1-C-1 | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-C | Hand Auger Borehole | -118.0415544 | 34.06887963 | 2 | feet | | 1W1-C-2 | 3/9/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-D | Hand Auger Borehole | -118.0403742 | 34.06874333 | 2 | feet | | 1W1-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-D | Hand Auger Borehole | -118.0403742 | 34.06874333 | 2 | feet | | 1W1-D-1 | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-D | Hand Auger Borehole | -118.0403742 | 34.06874333 | 2 | feet | | 1W1-D-2 | 3/9/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-E | Hand Auger Borehole | -118.0389884 | 34.06863093 | 2 | feet | | 1W1-E-SF | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-E | Hand Auger Borehole | -118.0389884 | 34.06863093 | 2 | feet | | 1W1-E-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-E | Hand Auger Borehole | -118.0389884 | 34.06863093 | 2 | feet | | 1W1-E-2 | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-F | Hand Auger Borehole | -118.0379052 | 34.06843082 | 2 | feet | | 1W1-F-SF | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-F | Hand Auger Borehole | -118.0379052 | 34.06843082 | 2 | feet | | 1W1-F-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-F | Hand Auger Borehole | -118.0379052 | 34.06843082 | 2 | feet | | 1W1-F-2 | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-G | Hand Auger Borehole | -118.0367501 | 34.06834431 | 2 | feet | | 1W1-G-SF | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-G | Hand Auger Borehole | -118.0367501 | 34.06834431 | 2 | feet | | 1W1-G-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-G | Hand Auger Borehole | -118.0367501 | 34.06834431 | 2 | feet | | 1W1-G-2 | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-H | Hand Auger Borehole | -118.035217 | 34.06819148 | 2 | feet | | 1W1-H-SF | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-H | Hand Auger Borehole | -118.035217 | 34.06819148 | 2 | feet | | 1W1-H-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-H | Hand Auger Borehole | -118.035217 | 34.06819148 | 2 | feet | | 1W1-H-2 | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-I | Hand Auger Borehole | -118.0340456 | 34.06815918 | 2 | feet | | 1W1-I-SF | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-I | Hand Auger Borehole | -118.0340456 | 34.06815918 | 2 | feet | | 1W1-I-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-I | Hand Auger Borehole | -118.0340456 | 34.06815918 | 2 | feet | | 1W1-I-2 | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-J | Hand Auger Borehole | -118.0328996 | 34.06817929 | 2 | feet | | 1W1-J-SF | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-J | Hand Auger Borehole | -118.0328996 | 34.06817929 | 2 | feet | | 1W1-J-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-J | Hand Auger Borehole | -118.0328996 | 34.06817929 | 2 | feet | | 1W1-J-2 | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-K | Hand Auger Borehole | -118.0316994 | 34.06814433 | 2 | feet | | 1W1-K-SF | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-K | Hand Auger Borehole | -118.0316994 | 34.06814433 | 2 | feet | | 1W1-K-1 | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-K | Hand Auger Borehole | -118.0316994 | 34.06814433 | 2 | feet | | 1W1-K-2 | 3/9/2001 | 2 | feet | soil |
| 2W | 1 | 2W1-A | Hand Auger Borehole | -118.0303558 | 34.06819655 | 2 | feet | | 2W1-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W1-A | Hand Auger Borehole | -118.0303558 | 34.06819655 | 2 | feet | | 2W1-A-1 | 3/8/2001 | 1 | feet | soil |
| 2W | 1 | 2W1-A | Hand Auger Borehole | -118.0303558 | 34.06819655 | 2 | feet | | 2W1-A-2 | 3/8/2001 | 2 | feet | soil |
| 2W | 1 | 2W1-B | Hand Auger Borehole | -118.0298881 | 34.06879766 | 2 | feet | | 2W1-B-SF | 3/8/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W1-B | Hand Auger Borehole | -118.0298881 | 34.06879766 | 2 | feet | | 2W1-B-1 | 3/8/2001 | 1 | feet | soil |
| 2W | 1 | 2W1-B | Hand Auger Borehole | -118.0298881 | 34.06879766 | 2 | feet | | 2W1-B-2 | 3/8/2001 | 2 | feet | soil |
| 2W | 1 | 2W2-A | Hand Auger Borehole | -118.0300263 | 34.06838113 | 2 | feet | | 2W2-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W2-A | Hand Auger Borehole | -118.0300263 | 34.06838113 | 2 | feet | | 2W2-A-1 | 3/9/2001 | 1 | feet | soil |
| 2W | 1 | 2W2-A | Hand Auger Borehole | -118.0300263 | 34.06838113 | 2 | feet | | 2W2-A-2 | 3/9/2001 | 2 | feet | soil |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W | 1 | 2W3-A | Hand Auger Borehole | -118.0298322 | 34.06853866 | 2 | feet | | 2W3-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W3-A | Hand Auger Borehole | -118.0298322 | 34.06853866 | 2 | feet | | 2W3-A-1 | 3/9/2001 | 1 | feet | soil |
| 2W | 1 | 2W3-A | Hand Auger Borehole | -118.0298322 | 34.06853866 | 2 | feet | | 2W3-A-2 | 3/9/2001 | 2 | feet | soil |
| 2W | 1 | 2W3-B | Hand Auger Borehole | -118.0295255 | 34.06819797 | 2 | feet | | 2W3-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W3-B | Hand Auger Borehole | -118.0295255 | 34.06819797 | 2 | feet | | 2W3-B-1 | 3/9/2001 | 1 | feet | soil |
| 2W | 1 | 2W3-B | Hand Auger Borehole | -118.0295255 | 34.06819797 | 2 | feet | | 2W3-B-2 | 3/9/2001 | 2 | feet | soil |
| 2W | 1 | 2W4-A | Hand Auger Borehole | -118.0298214 | 34.0682354 | 2 | feet | | 2W4-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W4-A | Hand Auger Borehole | -118.0298214 | 34.0682354 | 2 | feet | | 2W4-A-1 | 3/9/2001 | 1 | feet | soil |
| 2W | 1 | 2W4-A | Hand Auger Borehole | -118.0298214 | 34.0682354 | 2 | feet | | 2W4-A-2 | 3/9/2001 | 2 | feet | soil |
| 2W | 1 | 2W5-A | Hand Auger Borehole | -118.0290865 | 34.06825884 | 2 | feet | | 2W5-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W5-A | Hand Auger Borehole | -118.0290865 | 34.06825884 | 2 | feet | | 2W5-A-1 | 3/8/2001 | 1 | feet | soil |
| 2W | 1 | 2W5-A | Hand Auger Borehole | -118.0290865 | 34.06825884 | 2 | feet | | 2W5-A-2 | 3/8/2001 | 2 | feet | soil |
| 2W | 1 | 2W5-B | Hand Auger Borehole | -118.0296408 | 34.06842681 | 2 | feet | | 2W5-B-SF | 3/8/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W5-B | Hand Auger Borehole | -118.0296408 | 34.06842681 | 2 | feet | | 2W5-B-1 | 3/8/2001 | 1 | feet | soil |
| 2W | 1 | 2W5-B | Hand Auger Borehole | -118.0296408 | 34.06842681 | 2 | feet | | 2W5-B-2 | 3/8/2001 | 2 | feet | soil |
| 2W | 1 | 2W5-C | Hand Auger Borehole | -118.0295459 | 34.06888658 | 2 | feet | | 2W5-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W5-C | Hand Auger Borehole | -118.0295459 | 34.06888658 | 2 | feet | | 2W5-C-1 | 3/9/2001 | 1 | feet | soil |
| 2W | 1 | 2W5-C | Hand Auger Borehole | -118.0295459 | 34.06888658 | 2 | feet | | 2W5-C-2 | 3/9/2001 | 2 | feet | soil |
| 2W | 1 | 2W5-D | Hand Auger Borehole | -118.0291549 | 34.06896693 | 2 | feet | | 2W5-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W5-D | Hand Auger Borehole | -118.0291549 | 34.06896693 | 2 | feet | | 2W5-D-1 | 3/9/2001 | 1 | feet | soil |
| 2W | 1 | 2W5-D | Hand Auger Borehole | -118.0291549 | 34.06896693 | 2 | feet | | 2W5-D-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W1-A | Hand Auger Borehole | -118.0282141 | 34.06821997 | 2 | feet | | 3W1-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W1-A | Hand Auger Borehole | -118.0282141 | 34.06821997 | 2 | feet | | 3W1-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W1-A | Hand Auger Borehole | -118.0282141 | 34.06821997 | 2 | feet | | 3W1-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W2-A | Hand Auger Borehole | -118.0266256 | 34.06827483 | 2 | feet | | 3W2-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W2-A | Hand Auger Borehole | -118.0266256 | 34.06827483 | 2 | feet | | 3W2-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W2-A | Hand Auger Borehole | -118.0266256 | 34.06827483 | 2 | feet | | 3W2-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W2-B | Hand Auger Borehole | -118.0259189 | 34.0689467 | 2 | feet | | 3W2-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W2-B | Hand Auger Borehole | -118.0259189 | 34.0689467 | 2 | feet | | 3W2-B-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W2-B | Hand Auger Borehole | -118.0259189 | 34.0689467 | 2 | feet | | 3W2-B-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W3-A | Hand Auger Borehole | -118.0256333 | 34.06851877 | 2 | feet | | 3W3-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W3-A | Hand Auger Borehole | -118.0256333 | 34.06851877 | 2 | feet | | 3W3-A-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W3-A | Hand Auger Borehole | -118.0256333 | 34.06851877 | 2 | feet | | 3W3-A-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W4-A | Hand Auger Borehole | -118.0251916 | 34.06852818 | 2 | feet | | 3W4-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W4-A | Hand Auger Borehole | -118.0251916 | 34.06852818 | 2 | feet | | 3W4-A-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W4-A | Hand Auger Borehole | -118.0251916 | 34.06852818 | 2 | feet | | 3W4-A-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W5-A | Mechanical Borehole | -118.0255483 | 34.06827777 | 2 | feet | | 3W5-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W5-A | Mechanical Borehole | -118.0255483 | 34.06827777 | 2 | feet | | 3W5-A-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W5-A | Mechanical Borehole | -118.0255483 | 34.06827777 | 2 | feet | | 3W5-A-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W5-B | Mechanical Borehole | -118.0252991 | 34.06829671 | 2 | feet | | 3W5-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W5-B | Mechanical Borehole | -118.0252991 | 34.06829671 | 2 | feet | | 3W5-B-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W5-B | Mechanical Borehole | -118.0252991 | 34.06829671 | 2 | feet | | 3W5-B-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W5-C | Mechanical Borehole | -118.0250449 | 34.06830788 | 2 | feet | | 3W5-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W5-C | Mechanical Borehole | -118.0250449 | 34.06830788 | 2 | feet | | 3W5-C-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W5-C | Mechanical Borehole | -118.0250449 | 34.06830788 | 2 | feet | | 3W5-C-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W5-D | Mechanical Borehole | -118.0248044 | 34.06831883 | 2 | feet | | 3W5-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W5-D | Mechanical Borehole | -118.0248044 | 34.06831883 | 2 | feet | | 3W5-D-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W5-D | Mechanical Borehole | -118.0248044 | 34.06831883 | 2 | feet | | 3W5-D-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-A | Hand Auger Borehole | -118.0255659 | 34.06890682 | 2 | feet | | 3W6-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-A | Hand Auger Borehole | -118.0255659 | 34.06890682 | 2 | feet | | 3W6-A-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-A | Hand Auger Borehole | -118.0255659 | 34.06890682 | 2 | feet | | 3W6-A-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-B | Hand Auger Borehole | -118.0245675 | 34.0684218 | 2 | feet | | 3W6-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-B | Hand Auger Borehole | -118.0245675 | 34.0684218 | 2 | feet | | 3W6-B-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-B | Hand Auger Borehole | -118.0245675 | 34.0684218 | 2 | feet | | 3W6-B-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-C | Hand Auger Borehole | -118.0216944 | 34.06794771 | 2 | feet | | 3W6-C-SF | 3/8/2001 | 0.1 | feet | soil |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 1 | 3W6-C | Hand Auger Borehole | -118.0216944 | 34.06794771 | 2 | feet | | 3W6-C-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-C | Hand Auger Borehole | -118.0216944 | 34.06794771 | 2 | feet | | 3W6-C-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-A | Hand Auger Borehole | -118.0210509 | 34.06818696 | 2 | feet | | 3W7-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-A | Hand Auger Borehole | -118.0210509 | 34.06818696 | 2 | feet | | 3W7-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-A | Hand Auger Borehole | -118.0210509 | 34.06818696 | 2 | feet | | 3W7-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-B | Hand Auger Borehole | -118.019706 | 34.06737169 | 0.1 | feet | | 3W7-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-C | Hand Auger Borehole | -118.0182886 | 34.06665137 | 1 | feet | | 3W7-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-C | Hand Auger Borehole | -118.0182886 | 34.06665137 | 1 | feet | | 3W7-C-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-D | Hand Auger Borehole | -118.0165815 | 34.06592993 | 2 | feet | | 3W7-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-D | Hand Auger Borehole | -118.0165815 | 34.06592993 | 2 | feet | | 3W7-D-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-D | Hand Auger Borehole | -118.0165815 | 34.06592993 | 2 | feet | | 3W7-D-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-E | Hand Auger Borehole | -118.015034 | 34.0654524 | 1 | feet | | 3W7-E-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-E | Hand Auger Borehole | -118.015034 | 34.0654524 | 1 | feet | | 3W7-E-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-F | Hand Auger Borehole | -118.0134616 | 34.06514133 | 1 | feet | | 3W7-F-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-F | Hand Auger Borehole | -118.0134616 | 34.06514133 | 1 | feet | | 3W7-F-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-G | Hand Auger Borehole | -118.0118773 | 34.06480242 | 1 | feet | | 3W7-G-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-G | Hand Auger Borehole | -118.0118773 | 34.06480242 | 1 | feet | | 3W7-G-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-H | Hand Auger Borehole | -118.0098962 | 34.06438501 | 2 | feet | | 3W7-H-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-H | Hand Auger Borehole | -118.0098962 | 34.06438501 | 2 | feet | | 3W7-H-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-H | Hand Auger Borehole | -118.0098962 | 34.06438501 | 2 | feet | | 3W7-H-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-I | Hand Auger Borehole | -118.0082819 | 34.06451604 | 2 | feet | | 3W7-I-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-I | Hand Auger Borehole | -118.0082819 | 34.06451604 | 2 | feet | | 3W7-I-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-I | Hand Auger Borehole | -118.0082819 | 34.06451604 | 2 | feet | | 3W7-I-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-J | Hand Auger Borehole | -118.0066623 | 34.06445395 | 2 | feet | | 3W7-J-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-J | Hand Auger Borehole | -118.0066623 | 34.06445395 | 2 | feet | | 3W7-J-1 | 3/9/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-J | Hand Auger Borehole | -118.0066623 | 34.06445395 | 2 | feet | | 3W7-J-2 | 3/9/2001 | 2 | feet | soil |
| 3W | 1 | 3W8-A | Hand Auger Borehole | -118.0207615 | 34.06785417 | 2 | feet | | 3W8-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W8-A | Hand Auger Borehole | -118.0207615 | 34.06785417 | 2 | feet | | 3W8-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W8-A | Hand Auger Borehole | -118.0207615 | 34.06785417 | 2 | feet | | 3W8-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W9-A | Hand Auger Borehole | -118.0091937 | 34.0643605 | 2 | feet | | 3W9-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W9-A | Hand Auger Borehole | -118.0091937 | 34.0643605 | 2 | feet | | 3W9-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W9-A | Hand Auger Borehole | -118.0091937 | 34.0643605 | 2 | feet | | 3W9-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W9-B | Hand Auger Borehole | -118.0076226 | 34.0643288 | 2 | feet | | 3W9-B-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W9-B | Hand Auger Borehole | -118.0076226 | 34.0643288 | 2 | feet | | 3W9-B-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W9-B | Hand Auger Borehole | -118.0076226 | 34.0643288 | 2 | feet | | 3W9-B-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W10-A | Hand Auger Borehole | -118.0084821 | 34.06418259 | SF | feet | | 3W10-A-SF | 3/9/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W11-A | Hand Auger Borehole | -118.0017902 | 34.06531403 | 2 | feet | | 3W11-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W11-A | Hand Auger Borehole | -118.0017902 | 34.06531403 | 2 | feet | | 3W11-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W11-A | Hand Auger Borehole | -118.0017902 | 34.06531403 | 2 | feet | | 3W11-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W12-A | Hand Auger Borehole | -118.0016465 | 34.06515556 | 2 | feet | | 3W12-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W12-A | Hand Auger Borehole | -118.0016465 | 34.06515556 | 2 | feet | | 3W12-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W12-A | Hand Auger Borehole | -118.0016465 | 34.06515556 | 2 | feet | | 3W12-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W13-A | Hand Auger Borehole | -118.0014582 | 34.06549017 | 2 | feet | | 3W13-A-SF | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W13-A | Hand Auger Borehole | -118.0014582 | 34.06549017 | 2 | feet | | 3W13-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W13-A | Hand Auger Borehole | -118.0014582 | 34.06549017 | 2 | feet | | 3W13-A-2 | 3/8/2001 | 2 | feet | soil |
| 1E | 1 | 1E-RW64-A | Hand Auger Borehole | -118.0512931 | 34.07165837 | 2 | feet | | 1E-RW64-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E-RW64-A | Hand Auger Borehole | -118.0512931 | 34.07165837 | 2 | feet | | 1E-RW64-A-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E-RW64-A | Hand Auger Borehole | -118.0512931 | 34.07165837 | 2 | feet | | 1E-RW64-A-2 | 3/7/2001 | 2 | feet | soil |
| 1E | 1 | 1E-RW64-B | Hand Auger Borehole | -118.0508902 | 34.07139226 | 5 | feet | | 1E-RW64-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E-RW64-B | Hand Auger Borehole | -118.0508902 | 34.07139226 | 5 | feet | | 1E-RW64-B-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E-RW64-B | Hand Auger Borehole | -118.0508902 | 34.07139226 | 5 | feet | | 1E-RW64-B-2 | 3/7/2001 | 2 | feet | soil |
| 1E | 1 | 1E-RW64-B | Hand Auger Borehole | -118.0508902 | 34.07139226 | 5 | feet | | 1E-RW64-B-5 | 3/7/2001 | 5 | feet | soil |
| 1E | 1 | 1E-RW64-C | Hand Auger Borehole | -118.0507021 | 34.07143234 | 5 | feet | | 1E-RW64-C-SF | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E-RW64-C | Hand Auger Borehole | -118.0507021 | 34.07143234 | 5 | feet | | 1E-RW64-C-1 | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E-RW64-C | Hand Auger Borehole | -118.0507021 | 34.07143234 | 5 | feet | | 1E-RW64-C-2 | 3/7/2001 | 2 | feet | soil |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E | 1 | 1E-RW64-C | Hand Auger Borehole | -118.0507021 | 34.07143234 | 5 | feet | | 1E-RW64-C-5 | 3/7/2001 | 5 | feet | soil |
| 1E | 1 | 1E-RW64ABT | Hand Auger Borehole | -118.0510887 | 34.0715296 | 5 | feet | | 1E-RW64ABT-D | 3/7/2001 | 0.1 | feet | soil |
| 1E | 1 | 1E-RW64ABT | Hand Auger Borehole | -118.0510887 | 34.0715296 | 5 | feet | | 1E-RW64ABT-D | 3/7/2001 | 1 | feet | soil |
| 1E | 1 | 1E-RW64ABT | Hand Auger Borehole | -118.0510887 | 34.0715296 | 5 | feet | | 1E-RW64ABT-D | 3/7/2001 | 2 | feet | soil |
| 1E | 1 | 1E-RW64ABT | Hand Auger Borehole | -118.0510887 | 34.0715296 | 5 | feet | | 1E-RW64ABT-D | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E1-RW470A | Hand Auger Borehole | -118.0491355 | 34.07073293 | 5 | feet | | 2E1-RW470ABT | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-RW470A | Hand Auger Borehole | -118.0491355 | 34.07073293 | 5 | feet | | 2E1-RW470ABT | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-RW470A | Hand Auger Borehole | -118.0491355 | 34.07073293 | 5 | feet | | 2E1-RW470ABT | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-RW470-I | Hand Auger Borehole | -118.049091 | 34.07069494 | 5 | feet | | 2E1-RW470-B-S | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-RW470-I | Hand Auger Borehole | -118.049091 | 34.07069494 | 5 | feet | | 2E1-RW470-B-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-RW470-I | Hand Auger Borehole | -118.049091 | 34.07069494 | 5 | feet | | 2E1-RW470-B-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-RW470-I | Hand Auger Borehole | -118.049091 | 34.07069494 | 5 | feet | | 2E1-RW470-B-5 | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E1-RW470-( | Hand Auger Borehole | -118.0490513 | 34.07069398 | 5 | feet | | 2E1-RW470-C-S | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-RW470-( | Hand Auger Borehole | -118.0490513 | 34.07069398 | 5 | feet | | 2E1-RW470-C-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-RW470-( | Hand Auger Borehole | -118.0490513 | 34.07069398 | 5 | feet | | 2E1-RW470-C-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-RW470-( | Hand Auger Borehole | -118.0490513 | 34.07069398 | 5 | feet | | 2E1-RW470-C-5 | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E1-RW470-I | Hand Auger Borehole | -118.0489742 | 34.07066775 | 5 | feet | | 2E1-RW470-D-S | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-RW470-I | Hand Auger Borehole | -118.0489742 | 34.07066775 | 5 | feet | | 2E1-RW470-D-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-RW470-I | Hand Auger Borehole | -118.0489742 | 34.07066775 | 5 | feet | | 2E1-RW470-D-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-RW470-I | Hand Auger Borehole | -118.0489742 | 34.07066775 | 5 | feet | | 2E1-RW470-D-5 | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E1-RW88-A | Mechanical Borehole | -118.0442773 | 34.06887665 | 5 | feet | | 2E1-RW88-A-SI | 3/9/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-RW88-A | Mechanical Borehole | -118.0442773 | 34.06887665 | 5 | feet | | 2E1-RW88-A-1 | 3/9/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-RW88-A | Mechanical Borehole | -118.0442773 | 34.06887665 | 5 | feet | | 2E1-RW88-A-2 | 3/9/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-RW88-A | Mechanical Borehole | -118.0442773 | 34.06887665 | 5 | feet | | 2E1-RW88-A-5 | 3/9/2001 | 5 | feet | soil |
| 2E | 1 | 2E1-RW88-B | Hand Auger Borehole | -118.0440697 | 34.06863866 | 5 | feet | | 2E1-RW88-B-SI | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-RW88-B | Hand Auger Borehole | -118.0440697 | 34.06863866 | 5 | feet | | 2E1-RW88-B-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-RW88-B | Hand Auger Borehole | -118.0440697 | 34.06863866 | 5 | feet | | 2E1-RW88-B-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-RW88-B | Hand Auger Borehole | -118.0440697 | 34.06863866 | 5 | feet | | 2E1-RW88-B-5 | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E1-RW88-C | Hand Auger Borehole | -118.0438826 | 34.06860934 | 5 | feet | | 2E1-RW88-C-SI | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-RW88-C | Hand Auger Borehole | -118.0438826 | 34.06860934 | 5 | feet | | 2E1-RW88-C-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-RW88-C | Hand Auger Borehole | -118.0438826 | 34.06860934 | 5 | feet | | 2E1-RW88-C-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-RW88-C | Hand Auger Borehole | -118.0438826 | 34.06860934 | 5 | feet | | 2E1-RW88-C-5 | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E1-RW88-D | Hand Auger Borehole | -118.0437129 | 34.06856401 | 5 | feet | | 2E1-RW88-D-SI | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E1-RW88-D | Hand Auger Borehole | -118.0437129 | 34.06856401 | 5 | feet | | 2E1-RW88-D-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E1-RW88-D | Hand Auger Borehole | -118.0437129 | 34.06856401 | 5 | feet | | 2E1-RW88-D-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E1-RW88-D | Hand Auger Borehole | -118.0437129 | 34.06856401 | 5 | feet | | 2E1-RW88-D-5 | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E2-RW490-A | Hand Auger Borehole | -118.0430019 | 34.06867865 | 5 | feet | | 2E2-RW490-A-S | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E2-RW490-A | Hand Auger Borehole | -118.0430019 | 34.06867865 | 5 | feet | | 2E2-RW490-A-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E2-RW490-A | Hand Auger Borehole | -118.0430019 | 34.06867865 | 5 | feet | | 2E2-RW490-A-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E2-RW490-A | Hand Auger Borehole | -118.0430019 | 34.06867865 | 5 | feet | | 2E2-RW490-A-5 | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E2-RW490-I | Hand Auger Borehole | -118.0427343 | 34.06866376 | 5 | feet | | 2E2-RW490-B-S | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E2-RW490-I | Hand Auger Borehole | -118.0427343 | 34.06866376 | 5 | feet | | 2E2-RW490-B-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E2-RW490-I | Hand Auger Borehole | -118.0427343 | 34.06866376 | 5 | feet | | 2E2-RW490-B-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E2-RW490-I | Hand Auger Borehole | -118.0427343 | 34.06866376 | 5 | feet | | 2E2-RW490-B-5 | 3/7/2001 | 5 | feet | soil |
| 2E | 1 | 2E2-RW490-( | Hand Auger Borehole | -118.0425739 | 34.06860402 | 5 | feet | | 2E2-RW490-C-S | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E2-RW490-( | Hand Auger Borehole | -118.0425739 | 34.06860402 | 5 | feet | | 2E2-RW490-C-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E2-RW490-( | Hand Auger Borehole | -118.0425739 | 34.06860402 | 5 | feet | | 2E2-RW490-C-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E2-RW490-I | Hand Auger Borehole | -118.0423549 | 34.06856706 | 5 | feet | | 2E2-RW490-D-S | 3/7/2001 | 0.1 | feet | soil |
| 2E | 1 | 2E2-RW490-I | Hand Auger Borehole | -118.0423549 | 34.06856706 | 5 | feet | | 2E2-RW490-D-1 | 3/7/2001 | 1 | feet | soil |
| 2E | 1 | 2E2-RW490-I | Hand Auger Borehole | -118.0423549 | 34.06856706 | 5 | feet | | 2E2-RW490-D-2 | 3/7/2001 | 2 | feet | soil |
| 2E | 1 | 2E2-RW490-I | Hand Auger Borehole | -118.0423549 | 34.06856706 | 5 | feet | | 2E2-RW490-D-5 | 3/7/2001 | 5 | feet | soil |
| 3E | 1 | 3E1-RW496A | Hand Auger Borehole | -118.0420706 | 34.06851553 | 2 | feet | | 3E1-RW496ABT | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E1-RW496A | Hand Auger Borehole | -118.0420706 | 34.06851553 | 2 | feet | | 3E1-RW496ABT | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E1-RW496A | Hand Auger Borehole | -118.0420706 | 34.06851553 | 2 | feet | | 3E1-RW496ABT | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E1-RW496-I | Hand Auger Borehole | -118.0416502 | 34.06847901 | 5 | feet | | 3E1-RW496-B-S | 3/7/2001 | 0.1 | feet | soil |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3E | 1 | 3E1-RW496-I | Hand Auger Borehole | -118.0416502 | 34.06847901 | 5 | feet | | 3E1-RW496-B-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E1-RW496-I | Hand Auger Borehole | -118.0416502 | 34.06847901 | 5 | feet | | 3E1-RW496-B-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E1-RW496-I | Hand Auger Borehole | -118.0416502 | 34.06847901 | 5 | feet | | 3E1-RW496-B-5 | 3/7/2001 | 5 | feet | soil |
| 3E | 1 | 3E1-RW496-( | Hand Auger Borehole | -118.0411595 | 34.06841024 | 5 | feet | | 3E1-RW496-C-S | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E1-RW496-( | Hand Auger Borehole | -118.0411595 | 34.06841024 | 5 | feet | | 3E1-RW496-C-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E1-RW496-( | Hand Auger Borehole | -118.0411595 | 34.06841024 | 5 | feet | | 3E1-RW496-C-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E1-RW496-( | Hand Auger Borehole | -118.0411595 | 34.06841024 | 5 | feet | | 3E1-RW496-C-5 | 3/7/2001 | 5 | feet | soil |
| 3E | 1 | 3E1-RW496-I | Hand Auger Borehole | -118.040617 | 34.0683775 | 5 | feet | | 3E1-RW496-D-S | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E1-RW496-I | Hand Auger Borehole | -118.040617 | 34.0683775 | 5 | feet | | 3E1-RW496-D-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E1-RW496-I | Hand Auger Borehole | -118.040617 | 34.0683775 | 5 | feet | | 3E1-RW496-D-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E1-RW496-I | Hand Auger Borehole | -118.040617 | 34.0683775 | 5 | feet | | 3E1-RW496-D-5 | 3/7/2001 | 5 | feet | soil |
| 3E | 1 | 3E3-RW504A | Hand Auger Borehole | -118.0392616 | 34.06808693 | 2 | feet | | 3E3-RW504ABT | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW504A | Hand Auger Borehole | -118.0392616 | 34.06808693 | 2 | feet | | 3E3-RW504ABT | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW504A | Hand Auger Borehole | -118.0392616 | 34.06808693 | 2 | feet | | 3E3-RW504ABT | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-RW504-I | Hand Auger Borehole | -118.0389826 | 34.06807196 | 2 | feet | | 3E3-RW504-B-S | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW504-I | Hand Auger Borehole | -118.0389826 | 34.06807196 | 2 | feet | | 3E3-RW504-B-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW504-I | Hand Auger Borehole | -118.0389826 | 34.06807196 | 2 | feet | | 3E3-RW504-B-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-RW504-( | Hand Auger Borehole | -118.0386988 | 34.06796883 | 2 | feet | | 3E3-RW504-C-S | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW504-( | Hand Auger Borehole | -118.0386988 | 34.06796883 | 2 | feet | | 3E3-RW504-C-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW504-( | Hand Auger Borehole | -118.0386988 | 34.06796883 | 2 | feet | | 3E3-RW504-C-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-RW504-I | Hand Auger Borehole | -118.0384626 | 34.06794479 | 2 | feet | | 3E3-RW504-D-S | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW504-I | Hand Auger Borehole | -118.0384626 | 34.06794479 | 2 | feet | | 3E3-RW504-D-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW504-I | Hand Auger Borehole | -118.0384626 | 34.06794479 | 2 | feet | | 3E3-RW504-D-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-RW510-A | Hand Auger Borehole | -118.0361753 | 34.06792962 | 5 | feet | | 3E3-RW510-A-S | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW510-A | Hand Auger Borehole | -118.0361753 | 34.06792962 | 5 | feet | | 3E3-RW510-A-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW510-A | Hand Auger Borehole | -118.0361753 | 34.06792962 | 5 | feet | | 3E3-RW510-A-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-RW510-A | Hand Auger Borehole | -118.0361753 | 34.06792962 | 5 | feet | | 3E3-RW510-A-5 | 3/7/2001 | 5 | feet | soil |
| 3E | 1 | 3E3-RW510-I | Hand Auger Borehole | -118.0362755 | 34.06783927 | 5 | feet | | 3E3-RW510-B-S | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW510-I | Hand Auger Borehole | -118.0362755 | 34.06783927 | 5 | feet | | 3E3-RW510-B-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW510-I | Hand Auger Borehole | -118.0362755 | 34.06783927 | 5 | feet | | 3E3-RW510-B-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-RW510-I | Hand Auger Borehole | -118.0362755 | 34.06783927 | 5 | feet | | 3E3-RW510-B-5 | 3/7/2001 | 5 | feet | soil |
| 3E | 1 | 3E3-RW510-( | Hand Auger Borehole | -118.0361794 | 34.06788123 | 5 | feet | | 3E3-RW510-C-S | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW510-( | Hand Auger Borehole | -118.0361794 | 34.06788123 | 5 | feet | | 3E3-RW510-C-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW510-( | Hand Auger Borehole | -118.0361794 | 34.06788123 | 5 | feet | | 3E3-RW510-C-2 | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-RW510-( | Hand Auger Borehole | -118.0361794 | 34.06788123 | 2 | feet | | 3E3-RW510-C-5 | 3/7/2001 | 5 | feet | soil |
| 3E | 1 | 3E3-RW510A | Hand Auger Borehole | -118.0361748 | 34.06785154 | 2 | feet | | 3E3-RW510ABT | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW510A | Hand Auger Borehole | -118.0361748 | 34.06785154 | 2 | feet | | 3E3-RW510ABT | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW510A | Hand Auger Borehole | -118.0361748 | 34.06785154 | 2 | feet | | 3E3-RW510ABT | 3/7/2001 | 2 | feet | soil |
| 3E | 1 | 3E3-RW98-A | Hand Auger Borehole | -118.0408751 | 34.06826357 | 2 | feet | | 3E3-RW98-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 3E | 1 | 3E3-RW98-A | Hand Auger Borehole | -118.0408751 | 34.06826357 | 2 | feet | | 3E3-RW98-A-1 | 3/7/2001 | 1 | feet | soil |
| 3E | 1 | 3E3-RW98-A | Hand Auger Borehole | -118.0408751 | 34.06826357 | 2 | feet | | 3E3-RW98-A-2 | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW20-A | Hand Auger Borehole | -118.0334838 | 34.06763025 | 5 | feet | | 4E1-RW20-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-RW20-A | Hand Auger Borehole | -118.0334838 | 34.06763025 | 5 | feet | | 4E1-RW20-A-1 | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-RW20-A | Hand Auger Borehole | -118.0334838 | 34.06763025 | 5 | feet | | 4E1-RW20-A-2 | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW20-A | Hand Auger Borehole | -118.0334838 | 34.06763025 | 5 | feet | | 4E1-RW20-A-5 | 3/7/2001 | 5 | feet | soil |
| 4E | 1 | 4E1-RW20-B | Hand Auger Borehole | -118.0333034 | 34.06765063 | 5 | feet | | 4E1-RW20-B-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-RW20-B | Hand Auger Borehole | -118.0333034 | 34.06765063 | 5 | feet | | 4E1-RW20-B-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-RW20-B | Hand Auger Borehole | -118.0333034 | 34.06765063 | 5 | feet | | 4E1-RW20-B-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW20-B | Hand Auger Borehole | -118.0333034 | 34.06765063 | 5 | feet | | 4E1-RW20-B-5 | 3/9/2001 | 5 | feet | soil |
| 4E | 1 | 4E1-RW20-C | Hand Auger Borehole | -118.0330773 | 34.06763267 | 5 | feet | | 4E1-RW20-C-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-RW20-C | Hand Auger Borehole | -118.0330773 | 34.06763267 | 5 | feet | | 4E1-RW20-C-1 | 3/9/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-RW20-C | Hand Auger Borehole | -118.0330773 | 34.06763267 | 5 | feet | | 4E1-RW20-C-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW20-C | Hand Auger Borehole | -118.0330773 | 34.06763267 | 5 | feet | | 4E1-RW20-C-5 | 3/9/2001 | 5 | feet | soil |
| 4E | 1 | 4E1-RW20-D | Hand Auger Borehole | -118.0328486 | 34.06763598 | 5 | feet | | 4E1-RW20-D-SF | 3/9/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-RW20-D | Hand Auger Borehole | -118.0328486 | 34.06763598 | 5 | feet | | 4E1-RW20-D-1 | 3/9/2001 | 1 | feet | soil |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4E | 1 | 4E1-RW20-D | Hand Auger Borehole | -118.0328486 | 34.06763598 | 5 | feet | | 4E1-RW20-D-2 | 3/9/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW20-D | Hand Auger Borehole | -118.0328486 | 34.06763598 | 5 | feet | | 4E1-RW20-D-5 | 3/9/2001 | 5 | feet | soil |
| 4E | 1 | 4E1-RW516A | Hand Auger Borehole | -118.035791 | 34.06777868 | 2 | feet | | 4E1-RW516ABT | 3/7/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-RW516A | Hand Auger Borehole | -118.035791 | 34.06777868 | 2 | feet | | 4E1-RW516ABT | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-RW516A | Hand Auger Borehole | -118.035791 | 34.06777868 | 2 | feet | | 4E1-RW516ABT | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW516-I | Hand Auger Borehole | -118.0352144 | 34.06779412 | 2 | feet | | 4E1-RW516-B-S | 3/7/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-RW516-I | Hand Auger Borehole | -118.0352144 | 34.06779412 | 2 | feet | | 4E1-RW516-B-1 | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-RW516-I | Hand Auger Borehole | -118.0352144 | 34.06779412 | 2 | feet | | 4E1-RW516-B-2 | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW516-( | Hand Auger Borehole | -118.0346436 | 34.06767372 | 5 | feet | | 4E1-RW516-C-S | 3/7/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-RW516-( | Hand Auger Borehole | -118.0346436 | 34.06767372 | 5 | feet | | 4E1-RW516-C-1 | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-RW516-( | Hand Auger Borehole | -118.0346436 | 34.06767372 | 5 | feet | | 4E1-RW516-C-2 | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW516-( | Hand Auger Borehole | -118.0346436 | 34.06767372 | 5 | feet | | 4E1-RW516-C-5 | 3/7/2001 | 5 | feet | soil |
| 4E | 1 | 4E1-RW516-I | Hand Auger Borehole | -118.0342781 | 34.06763166 | 5 | feet | | 4E1-RW516-D-S | 3/7/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E1-RW516-I | Hand Auger Borehole | -118.0342781 | 34.06763166 | 5 | feet | | 4E1-RW516-D-1 | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E1-RW516-I | Hand Auger Borehole | -118.0342781 | 34.06763166 | 5 | feet | | 4E1-RW516-D-2 | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E1-RW516-I | Hand Auger Borehole | -118.0342781 | 34.06763166 | 5 | feet | | 4E1-RW516-D-5 | 3/7/2001 | 5 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0320623 | 34.06764836 | 5 | feet | | 4E2-RW524-B-S | 3/7/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0320623 | 34.06764836 | 5 | feet | | 4E2-RW524-B-1 | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0320623 | 34.06764836 | 5 | feet | | 4E2-RW524-B-2 | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0320623 | 34.06764836 | 5 | feet | | 4E2-RW524-B-3 | 3/7/2001 | 3 | feet | soil |
| 4E | 1 | 4E2-RW524-( | Hand Auger Borehole | -118.0314664 | 34.06769288 | 5 | feet | | 4E2-RW524-C-S | 3/7/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0314664 | 34.06769288 | 5 | feet | | 4E2-RW524-C-1 | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0314664 | 34.06769288 | 5 | feet | | 4E2-RW524-C-2 | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E2-RW524-( | Hand Auger Borehole | -118.0314664 | 34.06769288 | 5 | feet | | 4E2-RW524-C-3 | 3/7/2001 | 3 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0307635 | 34.06777897 | 5 | feet | | 4E2-RW524-D-S | 3/7/2001 | 0.1 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0307635 | 34.06777897 | 5 | feet | | 4E2-RW524-D-1 | 3/7/2001 | 1 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0307635 | 34.06777897 | 5 | feet | | 4E2-RW524-D-2 | 3/7/2001 | 2 | feet | soil |
| 4E | 1 | 4E2-RW524-I | Hand Auger Borehole | -118.0307635 | 34.06777897 | 5 | feet | | 4E2-RW524-D-3 | 3/7/2001 | 3 | feet | soil |
| 5E | 1 | 5E1-RW530A | Hand Auger Borehole | -118.0305567 | 34.06772121 | 2 | feet | | 5E1-RW530ABT | 3/7/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E1-RW530A | Hand Auger Borehole | -118.0305567 | 34.06772121 | 2 | feet | | 5E1-RW530ABT | 3/7/2001 | 1 | feet | soil |
| 5E | 1 | 5E1-RW530A | Hand Auger Borehole | -118.0305567 | 34.06772121 | 2 | feet | | 5E1-RW530ABT | 3/7/2001 | 2 | feet | soil |
| 5E | 1 | 5E1-RW530-I | Hand Auger Borehole | -118.0301789 | 34.06771365 | 2 | feet | | 5E1-RW530-B-S | 3/7/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E1-RW530-I | Hand Auger Borehole | -118.0301789 | 34.06771365 | 2 | feet | | 5E1-RW530-B-1 | 3/7/2001 | 1 | feet | soil |
| 5E | 1 | 5E1-RW530-I | Hand Auger Borehole | -118.0301789 | 34.06771365 | 2 | feet | | 5E1-RW530-B-2 | 3/7/2001 | 2 | feet | soil |
| 5E | 1 | 5E1-RW530-( | Hand Auger Borehole | -118.0298204 | 34.06770993 | 2 | feet | | 5E1-RW530-C-S | 3/7/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E1-RW530-( | Hand Auger Borehole | -118.0298204 | 34.06770993 | 2 | feet | | 5E1-RW530-C-1 | 3/7/2001 | 1 | feet | soil |
| 5E | 1 | 5E1-RW530-( | Hand Auger Borehole | -118.0298204 | 34.06770993 | 2 | feet | | 5E1-RW530-C-2 | 3/7/2001 | 2 | feet | soil |
| 5E | 1 | 5E1-RW530A | Hand Auger Borehole | -118.0294166 | 34.06771837 | 2 | feet | | 5E1-RW530ABT | 3/7/2001 | 0.1 | feet | soil |
| 5E | 1 | 5E1-RW530A | Hand Auger Borehole | -118.0294166 | 34.06771837 | 2 | feet | | 5E1-RW530ABT | 3/7/2001 | 1 | feet | soil |
| 5E | 1 | 5E1-RW530A | Hand Auger Borehole | -118.0294166 | 34.06771837 | 2 | feet | | 5E1-RW530ABT | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW544A | Hand Auger Borehole | -118.0262073 | 34.06781067 | 4.5 | feet | | 6E1-RW544ABT | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-RW544A | Hand Auger Borehole | -118.0262073 | 34.06781067 | 4.5 | feet | | 6E1-RW544ABT | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-RW544A | Hand Auger Borehole | -118.0262073 | 34.06781067 | 4.5 | feet | | 6E1-RW544ABT | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW544A | Hand Auger Borehole | -118.0262073 | 34.06781067 | 4.5 | feet | | 6E1-RW544ABT | 3/7/2001 | 4.5 | feet | soil |
| 6E | 1 | 6E1-RW544-I | Hand Auger Borehole | -118.0259334 | 34.06780695 | 4 | feet | | 6E1-RW544-B-S | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-RW544-I | Hand Auger Borehole | -118.0259334 | 34.06780695 | 4 | feet | | 6E1-RW544-B-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-RW544-I | Hand Auger Borehole | -118.0259334 | 34.06780695 | 4 | feet | | 6E1-RW544-B-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW544-I | Hand Auger Borehole | -118.0259334 | 34.06780695 | 4 | feet | | 6E1-RW544-B-4 | 3/7/2001 | 4 | feet | soil |
| 6E | 1 | 6E1-RW544-( | Hand Auger Borehole | -118.0254502 | 34.0677996 | 2 | feet | | 6E1-RW544-C-S | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-RW544-( | Hand Auger Borehole | -118.0254502 | 34.0677996 | 2 | feet | | 6E1-RW544-C-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-RW544-( | Hand Auger Borehole | -118.0254502 | 34.0677996 | 2 | feet | | 6E1-RW544-C-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW544-I | Hand Auger Borehole | -118.0251296 | 34.0678025 | 2 | feet | | 6E1-RW544-D-S | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-RW544-I | Hand Auger Borehole | -118.0251296 | 34.0678025 | 2 | feet | | 6E1-RW544-D-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-RW544-I | Hand Auger Borehole | -118.0251296 | 34.0678025 | 2 | feet | | 6E1-RW544-D-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW552-A | Hand Auger Borehole | -118.0223655 | 34.06767573 | 5 | feet | | 6E1-RW552-A-S | 3/7/2001 | 0.1 | feet | soil |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6E | 1 | 6E1-RW552-A | Hand Auger Borehole | -118.0223655 | 34.06767573 | 5 | feet | | 6E1-RW552-A-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-RW552-A | Hand Auger Borehole | -118.0223655 | 34.06767573 | 5 | feet | | 6E1-RW552-A-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW552-A | Hand Auger Borehole | -118.0223655 | 34.06767573 | 5 | feet | | 6E1-RW552-A-5 | 3/7/2001 | 5 | feet | soil |
| 6E | 1 | 6E1-RW552-B | Hand Auger Borehole | -118.0222988 | 34.06769189 | 5 | feet | | 6E1-RW552-B-S | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-RW552-B | Hand Auger Borehole | -118.0222988 | 34.06769189 | 5 | feet | | 6E1-RW552-B-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-RW552-B | Hand Auger Borehole | -118.0222988 | 34.06769189 | 5 | feet | | 6E1-RW552-B-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW552-B | Hand Auger Borehole | -118.0222988 | 34.06769189 | 5 | feet | | 6E1-RW552-B-5 | 3/7/2001 | 5 | feet | soil |
| 6E | 1 | 6E1-RW552-C | Hand Auger Borehole | -118.0222183 | 34.06765296 | 3 | feet | | 6E1-RW552-C-S | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-RW552-C | Hand Auger Borehole | -118.0222183 | 34.06765296 | 3 | feet | | 6E1-RW552-C-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-RW552-C | Hand Auger Borehole | -118.0222183 | 34.06765296 | 3 | feet | | 6E1-RW552-C-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW552-C | Hand Auger Borehole | -118.0222183 | 34.06765296 | 3 | feet | | 6E1-RW552-C-3 | 3/7/2001 | 3 | feet | soil |
| 6E | 1 | 6E1-RW552-D | Hand Auger Borehole | -118.022247 | 34.06769753 | 3 | feet | | 6E1-RW552-D-S | 3/7/2001 | 0.1 | feet | soil |
| 6E | 1 | 6E1-RW552-D | Hand Auger Borehole | -118.022247 | 34.06769753 | 3 | feet | | 6E1-RW552-D-1 | 3/7/2001 | 1 | feet | soil |
| 6E | 1 | 6E1-RW552-D | Hand Auger Borehole | -118.022247 | 34.06769753 | 3 | feet | | 6E1-RW552-D-2 | 3/7/2001 | 2 | feet | soil |
| 6E | 1 | 6E1-RW552-D | Hand Auger Borehole | -118.022247 | 34.06769753 | 3 | feet | | 6E1-RW552-D-3 | 3/7/2001 | 3 | feet | soil |
| 7E | 1 | 7E1-RW556A | Hand Auger Borehole | -118.0212611 | 34.06740333 | 3 | feet | | 7E1-RW556ABT | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-RW556A | Hand Auger Borehole | -118.0212611 | 34.06740333 | 3 | feet | | 7E1-RW556ABT | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-RW556A | Hand Auger Borehole | -118.0212611 | 34.06740333 | 3 | feet | | 7E1-RW556ABT | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E1-RW556A | Hand Auger Borehole | -118.0212611 | 34.06740333 | 3 | feet | | 7E1-RW556ABT | 3/7/2001 | 3 | feet | soil |
| 7E | 1 | 7E1-RW556-B | Hand Auger Borehole | -118.0212511 | 34.06735383 | 3 | feet | | 7E1-RW556-B-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-RW556-B | Hand Auger Borehole | -118.0212511 | 34.06735383 | 3 | feet | | 7E1-RW556-B-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-RW556-B | Hand Auger Borehole | -118.0212511 | 34.06735383 | 3 | feet | | 7E1-RW556-B-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E1-RW556-B | Hand Auger Borehole | -118.0212511 | 34.06735383 | 3 | feet | | 7E1-RW556-B-3 | 3/7/2001 | 3 | feet | soil |
| 7E | 1 | 7E1-RW556-C | Hand Auger Borehole | -118.0211934 | 34.06736891 | 2.5 | feet | | 7E1-RW556-C-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-RW556-C | Hand Auger Borehole | -118.0211934 | 34.06736891 | 2.5 | feet | | 7E1-RW556-C-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-RW556-C | Hand Auger Borehole | -118.0211934 | 34.06736891 | 2.5 | feet | | 7E1-RW556-C-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E1-RW556-C | Hand Auger Borehole | -118.0211934 | 34.06736891 | 2.5 | feet | | 7E1-RW556-C-2 | 3/7/2001 | 2.5 | feet | soil |
| 7E | 1 | 7E1-RW556-D | Hand Auger Borehole | -118.0210884 | 34.06732167 | 2.5 | feet | | 7E1-RW556-D-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-RW556-D | Hand Auger Borehole | -118.0210884 | 34.06732167 | 2.5 | feet | | 7E1-RW556-D-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-RW556-D | Hand Auger Borehole | -118.0210884 | 34.06732167 | 2.5 | feet | | 7E1-RW556-D-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E1-RW556-D | Hand Auger Borehole | -118.0210884 | 34.06732167 | 2.5 | feet | | 7E1-RW556-D-2 | 3/7/2001 | 2.5 | feet | soil |
| 7E | 1 | 7E1-SW560A | Mechanical Borehole | -118.0207178 | 34.06724685 | 5 | feet | | 7E1-SW560ABT | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-SW560A | Mechanical Borehole | -118.0207178 | 34.06724685 | 5 | feet | | 7E1-SW560ABT | 3/9/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-SW560A | Mechanical Borehole | -118.0207178 | 34.06724685 | 5 | feet | | 7E1-SW560ABT | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E1-SW560A | Mechanical Borehole | -118.0207178 | 34.06724685 | 5 | feet | | 7E1-SW560ABT | 3/9/2001 | 5 | feet | soil |
| 7E | 1 | 7E1-SW560-B | Mechanical Borehole | -118.0206432 | 34.06712833 | 3.5 | feet | | 7E1-SW560-B-S | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-SW560-B | Mechanical Borehole | -118.0206432 | 34.06712833 | 3.5 | feet | | 7E1-SW560-B-1 | 3/9/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-SW560-B | Mechanical Borehole | -118.0206432 | 34.06712833 | 3.5 | feet | | 7E1-SW560-B-2 | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E1-SW560-B | Mechanical Borehole | -118.0206432 | 34.06712833 | 3.5 | feet | | 7E1-SW560-B-3 | 3/9/2001 | 3.5 | feet | soil |
| 7E | 1 | 7E1-SW560-C | Mechanical Borehole | -118.0204055 | 34.06708635 | 5 | feet | | 7E1-SW560-C-S | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-SW560-C | Mechanical Borehole | -118.0204055 | 34.06708635 | 5 | feet | | 7E1-SW560-C-1 | 3/9/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-SW560-C | Mechanical Borehole | -118.0204055 | 34.06708635 | 5 | feet | | 7E1-SW560-C-2 | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E1-SW560-C | Mechanical Borehole | -118.0204055 | 34.06708635 | 5 | feet | | 7E1-SW560-C-5 | 3/9/2001 | 5 | feet | soil |
| 7E | 1 | 7E1-SW560-D | Mechanical Borehole | -118.0203572 | 34.067032 | 2 | feet | | 7E1-SW560-D-S | 3/9/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E1-SW560-D | Mechanical Borehole | -118.0203572 | 34.067032 | 2 | feet | | 7E1-SW560-D-1 | 3/9/2001 | 1 | feet | soil |
| 7E | 1 | 7E1-SW560-D | Mechanical Borehole | -118.0203572 | 34.067032 | 2 | feet | | 7E1-SW560-D-2 | 3/9/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW570A | Hand Auger Borehole | -118.0174693 | 34.06570872 | 2 | feet | | 7E3-RW570ABT | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW570A | Hand Auger Borehole | -118.0174693 | 34.06570872 | 2 | feet | | 7E3-RW570ABT | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW570A | Hand Auger Borehole | -118.0174693 | 34.06570872 | 2 | feet | | 7E3-RW570ABT | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW570-B | Hand Auger Borehole | -118.0173748 | 34.06569056 | 2 | feet | | 7E3-RW570-B-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW570-B | Hand Auger Borehole | -118.0173748 | 34.06569056 | 2 | feet | | 7E3-RW570-B-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW570-B | Hand Auger Borehole | -118.0173748 | 34.06569056 | 2 | feet | | 7E3-RW570-B-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW570-C | Hand Auger Borehole | -118.0172911 | 34.06571243 | 2 | feet | | 7E3-RW570-C-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW570-C | Hand Auger Borehole | -118.0172911 | 34.06571243 | 2 | feet | | 7E3-RW570-C-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW570-C | Hand Auger Borehole | -118.0172911 | 34.06571243 | 2 | feet | | 7E3-RW570-C-2 | 3/7/2001 | 2 | feet | soil |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7E | 1 | 7E3-RW570-I | Hand Auger Borehole | -118.0172402 | 34.06569288 | 2 | feet | | 7E3-RW570-D-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW570-I | Hand Auger Borehole | -118.0172402 | 34.06569288 | 2 | feet | | 7E3-RW570-D-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW570-I | Hand Auger Borehole | -118.0172402 | 34.06569288 | 2 | feet | | 7E3-RW570-D-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW586-A | Hand Auger Borehole | -118.0122616 | 34.06438202 | 5 | feet | | 7E3-RW586-A-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW586-A | Hand Auger Borehole | -118.0122616 | 34.06438202 | 5 | feet | | 7E3-RW586-A-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW586-A | Hand Auger Borehole | -118.0122616 | 34.06438202 | 5 | feet | | 7E3-RW586-A-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW586-A | Hand Auger Borehole | -118.0122616 | 34.06438202 | 5 | feet | | 7E3-RW586-A-5 | 3/7/2001 | 5 | feet | soil |
| 7E | 1 | 7E3-RW586-I | Hand Auger Borehole | -118.0118828 | 34.06436976 | 4 | feet | | 7E3-RW586-B-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW586-I | Hand Auger Borehole | -118.0118828 | 34.06436976 | 4 | feet | | 7E3-RW586-B-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW586-I | Hand Auger Borehole | -118.0118828 | 34.06436976 | 4 | feet | | 7E3-RW586-B-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW586-I | Hand Auger Borehole | -118.0118828 | 34.06436976 | 4 | feet | | 7E3-RW586-B-4 | 3/7/2001 | 4 | feet | soil |
| 7E | 1 | 7E3-RW586-( | Hand Auger Borehole | -118.0117197 | 34.06423388 | 3.5 | feet | | 7E3-RW586-C-S | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW586-( | Hand Auger Borehole | -118.0117197 | 34.06423388 | 3.5 | feet | | 7E3-RW586-C-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW586-( | Hand Auger Borehole | -118.0117197 | 34.06423388 | 3.5 | feet | | 7E3-RW586-C-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW586-( | Hand Auger Borehole | -118.0117197 | 34.06423388 | 3.5 | feet | | 7E3-RW586-C-3 | 3/7/2001 | 3.5 | feet | soil |
| 7E | 1 | 7E3-RW586A | Hand Auger Borehole | -118.0113807 | 34.06419906 | 5 | feet | | 7E3-RW586ABT | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW586A | Hand Auger Borehole | -118.0113807 | 34.06419906 | 5 | feet | | 7E3-RW586ABT | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW586A | Hand Auger Borehole | -118.0113807 | 34.06419906 | 5 | feet | | 7E3-RW586ABT | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW586A | Hand Auger Borehole | -118.0113807 | 34.06419906 | 5 | feet | | 7E3-RW586ABT | 3/7/2001 | 5 | feet | soil |
| 7E | 1 | 7E3-RW68-A | Hand Auger Borehole | -118.0180897 | 34.06601697 | 1 | feet | | 7E3-RW68-A-SF | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW68-A | Hand Auger Borehole | -118.0180897 | 34.06601697 | 1 | feet | | 7E3-RW68-A-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW68-B | Hand Auger Borehole | -118.0179482 | 34.06596135 | 2 | feet | | 7E3-RW68-B-SF | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW68-B | Hand Auger Borehole | -118.0179482 | 34.06596135 | 2 | feet | | 7E3-RW68-B-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW68-B | Hand Auger Borehole | -118.0179482 | 34.06596135 | 2 | feet | | 7E3-RW68-B-2 | 3/7/2001 | 2 | feet | soil |
| 7E | 1 | 7E3-RW68-C | Hand Auger Borehole | -118.0178301 | 34.06592678 | 1 | feet | | 7E3-RW68-C-SF | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW68-C | Hand Auger Borehole | -118.0178301 | 34.06592678 | 1 | feet | | 7E3-RW68-C-1 | 3/7/2001 | 1 | feet | soil |
| 7E | 1 | 7E3-RW68AE | Hand Auger Borehole | -118.0175989 | 34.06586257 | 1 | feet | | 7E3-RW68ABT- | 3/7/2001 | 0.1 | feet | soil |
| 7E | 1 | 7E3-RW68AE | Hand Auger Borehole | -118.0175989 | 34.06586257 | 1 | feet | | 7E3-RW68ABT- | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E1-RW590A | Hand Auger Borehole | -118.0110051 | 34.06411228 | 1.5 | feet | | 8E1-RW590ABT | 3/7/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E1-RW590A | Hand Auger Borehole | -118.0110051 | 34.06411228 | 1.5 | feet | | 8E1-RW590ABT | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E1-RW590A | Hand Auger Borehole | -118.0110051 | 34.06411228 | 1.5 | feet | | 8E1-RW590ABT | 3/7/2001 | 1.5 | feet | soil |
| 8E | 1 | 8E1-RW590-I | Hand Auger Borehole | -118.0108278 | 34.06410947 | 3 | feet | | 8E1-RW590-B-S | 3/7/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E1-RW590-I | Hand Auger Borehole | -118.0108278 | 34.06410947 | 3 | feet | | 8E1-RW590-B-1 | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E1-RW590-I | Hand Auger Borehole | -118.0108278 | 34.06410947 | 3 | feet | | 8E1-RW590-B-2 | 3/7/2001 | 2 | feet | soil |
| 8E | 1 | 8E1-RW590-I | Hand Auger Borehole | -118.0108278 | 34.06410947 | 3 | feet | | 8E1-RW590-B-3 | 3/7/2001 | 3 | feet | soil |
| 8E | 1 | 8E1-RW590-( | Hand Auger Borehole | -118.0106725 | 34.06407897 | 2.5 | feet | | 8E1-RW590-C-S | 3/7/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E1-RW590-( | Hand Auger Borehole | -118.0106725 | 34.06407897 | 2.5 | feet | | 8E1-RW590-C-1 | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E1-RW590-( | Hand Auger Borehole | -118.0106725 | 34.06407897 | 2.5 | feet | | 8E1-RW590-C-2 | 3/7/2001 | 2 | feet | soil |
| 8E | 1 | 8E1-RW590-( | Hand Auger Borehole | -118.0106725 | 34.06407897 | 2.5 | feet | | 8E1-RW590-C-2 | 3/7/2001 | 2.5 | feet | soil |
| 8E | 1 | 8E1-RW590-I | Hand Auger Borehole | -118.01052 | 34.06404214 | 2.5 | feet | | 8E1-RW590-D-S | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E1-RW590-I | Hand Auger Borehole | -118.01052 | 34.06404214 | 2.5 | feet | | 8E1-RW590-D-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E1-RW590-I | Hand Auger Borehole | -118.01052 | 34.06404214 | 2.5 | feet | | 8E1-RW590-D-2 | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E1-RW590-I | Hand Auger Borehole | -118.01052 | 34.06404214 | 2.5 | feet | | 8E1-RW590-D-2 | 3/8/2001 | 2.5 | feet | soil |
| 8E | 1 | 8E5-RW100-A | Hand Auger Borehole | -118.009269 | 34.0636266 | 3 | feet | | 8E5-RW100-A-S | 3/7/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E5-RW100-A | Hand Auger Borehole | -118.009269 | 34.0636266 | 3 | feet | | 8E5-RW100-A-1 | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-RW100-A | Hand Auger Borehole | -118.009269 | 34.0636266 | 3 | feet | | 8E5-RW100-A-2 | 3/7/2001 | 2 | feet | soil |
| 8E | 1 | 8E5-RW100-A | Hand Auger Borehole | -118.009269 | 34.0636266 | 3 | feet | | 8E5-RW100-A-3 | 3/7/2001 | 3 | feet | soil |
| 8E | 1 | 8E5-RW100-I | Hand Auger Borehole | -118.0083198 | 34.0636527 | 5 | feet | | 8E5-RW100-B-S | 3/7/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E5-RW100-I | Hand Auger Borehole | -118.0083198 | 34.0636527 | 5 | feet | | 8E5-RW100-B-1 | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-RW100-I | Hand Auger Borehole | -118.0083198 | 34.0636527 | 5 | feet | | 8E5-RW100-B-2 | 3/7/2001 | 2 | feet | soil |
| 8E | 1 | 8E5-RW100-I | Hand Auger Borehole | -118.0083198 | 34.0636527 | 5 | feet | | 8E5-RW100-B-5 | 3/7/2001 | 5 | feet | soil |
| 8E | 1 | 8E5-RW100-( | Hand Auger Borehole | -118.0073667 | 34.06379437 | 2 | feet | | 8E5-RW100-C-S | 3/7/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E5-RW100-( | Hand Auger Borehole | -118.0073667 | 34.06379437 | 2 | feet | | 8E5-RW100-C-1 | 3/7/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-RW100-( | Hand Auger Borehole | -118.0073667 | 34.06379437 | 2 | feet | | 8E5-RW100-C-2 | 3/7/2001 | 2 | feet | soil |
| 8E | 1 | 8E5-RW100-I | Hand Auger Borehole | -118.006421 | 34.06395989 | 5 | feet | | 8E5-RW100-D-S | 3/8/2001 | 0.1 | feet | soil |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8E | 1 | 8E5-RW100-I | Hand Auger Borehole | -118.006421 | 34.06395989 | 5 | feet | | 8E5-RW100-D-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E5-RW100-I | Hand Auger Borehole | -118.006421 | 34.06395989 | 5 | feet | | 8E5-RW100-D-2 | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E5-RW100-I | Hand Auger Borehole | -118.006421 | 34.06395989 | 5 | feet | | 8E5-RW100-D-5 | 3/8/2001 | 5 | feet | soil |
| 8E | 1 | 8E6-RW58AE | Hand Auger Borehole | -118.0032965 | 34.06438921 | 2 | feet | | 8E6-RW58ABT- | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E6-RW58AE | Hand Auger Borehole | -118.0032965 | 34.06438921 | 2 | feet | | 8E6-RW58ABT- | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E6-RW58AE | Hand Auger Borehole | -118.0032965 | 34.06438921 | 2 | feet | | 8E6-RW58ABT- | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E6-RW58-B | Hand Auger Borehole | -118.0028962 | 34.06442375 | 1 | feet | | 8E6-RW58-B-SI | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E6-RW58-B | Hand Auger Borehole | -118.0028962 | 34.06442375 | 1 | feet | | 8E6-RW58-B-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E6-RW58-C | Hand Auger Borehole | -118.0025233 | 34.06448331 | 2.5 | feet | | 8E6-RW58-C-SI | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E6-RW58-C | Hand Auger Borehole | -118.0025233 | 34.06448331 | 2.5 | feet | | 8E6-RW58-C-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E6-RW58-C | Hand Auger Borehole | -118.0025233 | 34.06448331 | 2.5 | feet | | 8E6-RW58-C-2 | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E6-RW58-C | Hand Auger Borehole | -118.0025233 | 34.06448331 | 2.5 | feet | | 8E6-RW58-C-2.5 | 3/8/2001 | 2.5 | feet | soil |
| 8E | 1 | 8E6-RW58-D | Hand Auger Borehole | -118.0020838 | 34.06447054 | 2.5 | feet | | 8E6-RW58-D-SI | 3/8/2001 | 0.1 | feet | soil |
| 8E | 1 | 8E6-RW58-D | Hand Auger Borehole | -118.0020838 | 34.06447054 | 2.5 | feet | | 8E6-RW58-D-1 | 3/8/2001 | 1 | feet | soil |
| 8E | 1 | 8E6-RW58-D | Hand Auger Borehole | -118.0020838 | 34.06447054 | 2.5 | feet | | 8E6-RW58-D-2 | 3/8/2001 | 2 | feet | soil |
| 8E | 1 | 8E6-RW58-D | Hand Auger Borehole | -118.0020838 | 34.06447054 | 2.5 | feet | | 8E6-RW58-D-2.5 | 3/8/2001 | 2.5 | feet | soil |
| 9E | 1 | 9E-RW621-A | Hand Auger Borehole | -118.0529064 | 34.07233789 | 2 | feet | | 9E-RW621-A-SI | 3/8/2001 | 0.1 | feet | soil |
| 9E | 1 | 9E-RW621-A | Hand Auger Borehole | -118.0529064 | 34.07233789 | 2 | feet | | 9E-RW621-A-1 | 3/8/2001 | 1 | feet | soil |
| 9E | 1 | 9E-RW621-A | Hand Auger Borehole | -118.0529064 | 34.07233789 | 2 | feet | | 9E-RW621-A-2 | 3/8/2001 | 2 | feet | soil |
| 9E | 1 | 9E-RW621-B | Hand Auger Borehole | -118.0528594 | 34.07235839 | 2 | feet | | 9E-RW621-B-SI | 3/8/2001 | 0.1 | feet | soil |
| 9E | 1 | 9E-RW621-B | Hand Auger Borehole | -118.0528594 | 34.07235839 | 2 | feet | | 9E-RW621-B-1 | 3/8/2001 | 1 | feet | soil |
| 9E | 1 | 9E-RW621-B | Hand Auger Borehole | -118.0528594 | 34.07235839 | 2 | feet | | 9E-RW621-B-2 | 3/8/2001 | 2 | feet | soil |
| 9E | 1 | 9E-RW621-C | Hand Auger Borehole | -118.0527946 | 34.07233995 | 1 | feet | | 9E-RW621-C-SI | 3/8/2001 | 0.1 | feet | soil |
| 9E | 1 | 9E-RW621-C | Hand Auger Borehole | -118.0527946 | 34.07233995 | 1 | feet | | 9E-RW621-C-1 | 3/8/2001 | 1 | feet | soil |
| 9E | 1 | 9E-RW621-D | Hand Auger Borehole | -118.0527591 | 34.07234762 | 1 | feet | | 9E-RW621-D-SI | 3/8/2001 | 0.1 | feet | soil |
| 9E | 1 | 9E-RW621-D | Hand Auger Borehole | -118.0527591 | 34.07234762 | 1 | feet | | 9E-RW621-D-1 | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.0435021 | 34.06918186 | 5 | feet | | 1W1-RW489-A- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.0435021 | 34.06918186 | 5 | feet | | 1W1-RW489-A- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.0435021 | 34.06918186 | 5 | feet | | 1W1-RW489-A- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.0435021 | 34.06918186 | 5 | feet | | 1W1-RW489-A- | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.0431312 | 34.06908728 | 5 | feet | | 1W1-RW489-B- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.0431312 | 34.06908728 | 5 | feet | | 1W1-RW489-B- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.0431312 | 34.06908728 | 5 | feet | | 1W1-RW489-B- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.0431312 | 34.06908728 | 5 | feet | | 1W1-RW489-B- | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.042691 | 34.06900985 | 5 | feet | | 1W1-RW489-C- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.042691 | 34.06900985 | 5 | feet | | 1W1-RW489-C- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.042691 | 34.06900985 | 5 | feet | | 1W1-RW489-C- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW489- | Hand Auger Borehole | -118.042691 | 34.06900985 | 5 | feet | | 1W1-RW489-C- | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW489/ | Hand Auger Borehole | -118.0423448 | 34.06904264 | 5 | feet | | 1W1-RW489AB | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW489/ | Hand Auger Borehole | -118.0423448 | 34.06904264 | 5 | feet | | 1W1-RW489AB | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW489/ | Hand Auger Borehole | -118.0423448 | 34.06904264 | 5 | feet | | 1W1-RW489AB | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW489/ | Hand Auger Borehole | -118.0423448 | 34.06904264 | 5 | feet | | 1W1-RW489AB | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW497/ | Hand Auger Borehole | -118.0419855 | 34.06901952 | 5 | feet | | 1W1-RW497AB | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW497/ | Hand Auger Borehole | -118.0419855 | 34.06901952 | 5 | feet | | 1W1-RW497AB | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW497/ | Hand Auger Borehole | -118.0419855 | 34.06901952 | 5 | feet | | 1W1-RW497AB | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW497/ | Hand Auger Borehole | -118.0419855 | 34.06901952 | 5 | feet | | 1W1-RW497AB | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.0415342 | 34.068859 | 5 | feet | | 1W1-RW497-B- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.0415342 | 34.068859 | 5 | feet | | 1W1-RW497-B- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.0415342 | 34.068859 | 5 | feet | | 1W1-RW497-B- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.0415342 | 34.068859 | 5 | feet | | 1W1-RW497-B- | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.0409871 | 34.06881518 | 5 | feet | | 1W1-RW497-C- | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.0409871 | 34.06881518 | 5 | feet | | 1W1-RW497-C- | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.0409871 | 34.06881518 | 5 | feet | | 1W1-RW497-C- | 3/9/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.0409871 | 34.06881518 | 5 | feet | | 1W1-RW497-C- | 3/9/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.040556 | 34.06877629 | 5 | feet | | 1W1-RW497-D- | 3/8/2001 | 0.1 | feet | soil |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.040556 | 34.06877629 | 5 | feet | | 1W1-RW497-D- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.040556 | 34.06877629 | 5 | feet | | 1W1-RW497-D- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW497- | Hand Auger Borehole | -118.040556 | 34.06877629 | 5 | feet | | 1W1-RW497-D- | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW505/ | Hand Auger Borehole | -118.0392697 | 34.06868081 | 4 | feet | | 1W1-RW505AB | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW505/ | Hand Auger Borehole | -118.0392697 | 34.06868081 | 4 | feet | | 1W1-RW505AB | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW505/ | Hand Auger Borehole | -118.0392697 | 34.06868081 | 4 | feet | | 1W1-RW505AB | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW505/ | Hand Auger Borehole | -118.0392697 | 34.06868081 | 4 | feet | | 1W1-RW505AB | 3/8/2001 | 4 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0385727 | 34.06858683 | 3 | feet | | 1W1-RW505-B- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0385727 | 34.06858683 | 3 | feet | | 1W1-RW505-B- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0385727 | 34.06858683 | 3 | feet | | 1W1-RW505-B- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0385727 | 34.06858683 | 3 | feet | | 1W1-RW505-B- | 3/8/2001 | 3 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0378728 | 34.0685207 | 2 | feet | | 1W1-RW505-C- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0378728 | 34.0685207 | 2 | feet | | 1W1-RW505-C- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0378728 | 34.0685207 | 2 | feet | | 1W1-RW505-C- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0369338 | 34.06839494 | 3 | feet | | 1W1-RW505-D- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0369338 | 34.06839494 | 3 | feet | | 1W1-RW505-D- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0369338 | 34.06839494 | 3 | feet | | 1W1-RW505-D- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW505- | Hand Auger Borehole | -118.0369338 | 34.06839494 | 3 | feet | | 1W1-RW505-D- | 3/8/2001 | 3 | feet | soil |
| 1W | 1 | 1W1-RW505/ | Hand Auger Borehole | -118.036165 | 34.0683552 | 2 | feet | | 1W1-RW505AB | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW505/ | Hand Auger Borehole | -118.036165 | 34.0683552 | 2 | feet | | 1W1-RW505AB | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW505/ | Hand Auger Borehole | -118.036165 | 34.0683552 | 2 | feet | | 1W1-RW505AB | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW515/ | Hand Auger Borehole | -118.0357816 | 34.06828842 | 2 | feet | | 1W1-RW515AB | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW515/ | Hand Auger Borehole | -118.0357816 | 34.06828842 | 2 | feet | | 1W1-RW515AB | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW515/ | Hand Auger Borehole | -118.0357816 | 34.06828842 | 2 | feet | | 1W1-RW515AB | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW515- | Hand Auger Borehole | -118.0344096 | 34.06823999 | 5 | feet | | 1W1-RW515-B- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW515- | Hand Auger Borehole | -118.0344096 | 34.06823999 | 5 | feet | | 1W1-RW515-B- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW515- | Hand Auger Borehole | -118.0344096 | 34.06823999 | 5 | feet | | 1W1-RW515-B- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW515- | Hand Auger Borehole | -118.0344096 | 34.06823999 | 5 | feet | | 1W1-RW515-B- | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW523- | Hand Auger Borehole | -118.0330297 | 34.06823855 | 5 | feet | | 1W1-RW523-A- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW523- | Hand Auger Borehole | -118.0330297 | 34.06823855 | 5 | feet | | 1W1-RW523-A- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW523- | Hand Auger Borehole | -118.0330297 | 34.06823855 | 5 | feet | | 1W1-RW523-A- | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW523- | Hand Auger Borehole | -118.0330297 | 34.06823855 | 5 | feet | | 1W1-RW523-A- | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW523- | Hand Auger Borehole | -118.0315325 | 34.06828225 | 1.5 | feet | | 1W1-RW523-B- | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW523- | Hand Auger Borehole | -118.0315325 | 34.06828225 | 1.5 | feet | | 1W1-RW523-B- | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW523- | Hand Auger Borehole | -118.0315325 | 34.06828225 | 1.5 | feet | | 1W1-RW523-B- | 3/8/2001 | 1.5 | feet | soil |
| 1W | 1 | 1W1-RW523/ | Hand Auger Borehole | -118.0308111 | 34.06830025 | 5 | feet | | 1W1-RW523AB | 3/8/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW523/ | Hand Auger Borehole | -118.0308111 | 34.06830025 | 5 | feet | | 1W1-RW523AB | 3/8/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW523/ | Hand Auger Borehole | -118.0308111 | 34.06830025 | 5 | feet | | 1W1-RW523AB | 3/8/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW523/ | Hand Auger Borehole | -118.0308111 | 34.06830025 | 5 | feet | | 1W1-RW523AB | 3/8/2001 | 5 | feet | soil |
| 1W | 1 | 1W1-RW99-A | Hand Auger Borehole | -118.040335 | 34.06883837 | 2 | feet | | 1W1-RW99-A-S | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW99-A | Hand Auger Borehole | -118.040335 | 34.06883837 | 2 | feet | | 1W1-RW99-A-1 | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW99-A | Hand Auger Borehole | -118.040335 | 34.06883837 | 2 | feet | | 1W1-RW99-A-2 | 3/9/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW99-E | Hand Auger Borehole | -118.0400318 | 34.06888597 | 2 | feet | | 1W1-RW99-B-S | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW99-E | Hand Auger Borehole | -118.0400318 | 34.06888597 | 2 | feet | | 1W1-RW99-B-1 | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW99-E | Hand Auger Borehole | -118.0400318 | 34.06888597 | 2 | feet | | 1W1-RW99-B-2 | 3/9/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW99A | Hand Auger Borehole | -118.0398781 | 34.06875844 | 1 | feet | | 1W1-RW99ABT- | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW99A | Hand Auger Borehole | -118.0398781 | 34.06875844 | 1 | feet | | 1W1-RW99ABT- | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW99A | Hand Auger Borehole | -118.0396053 | 34.0687035 | 3 | feet | | 1W1-RW99ABT- | 3/9/2001 | 0.1 | feet | soil |
| 1W | 1 | 1W1-RW99A | Hand Auger Borehole | -118.0396053 | 34.0687035 | 3 | feet | | 1W1-RW99ABT- | 3/9/2001 | 1 | feet | soil |
| 1W | 1 | 1W1-RW99A | Hand Auger Borehole | -118.0396053 | 34.0687035 | 3 | feet | | 1W1-RW99ABT- | 3/9/2001 | 2 | feet | soil |
| 1W | 1 | 1W1-RW99A | Hand Auger Borehole | -118.0396053 | 34.0687035 | 3 | feet | | 1W1-RW99ABT- | 3/9/2001 | 3 | feet | soil |
| 2W | 1 | 2W1-RW29-E | Hand Auger Borehole | -118.0303514 | 34.06834405 | 1.5 | feet | | 2W1-RW29-B-S | 3/8/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W1-RW29-E | Hand Auger Borehole | -118.0303514 | 34.06834405 | 1.5 | feet | | 2W1-RW29-B-1 | 3/8/2001 | 1 | feet | soil |
| 2W | 1 | 2W1-RW29-E | Hand Auger Borehole | -118.0303514 | 34.06834405 | 1.5 | feet | | 2W1-RW29-B-1 | 3/8/2001 | 1.5 | feet | soil |
| 2W | 1 | 2W1-RW29-C | Hand Auger Borehole | -118.030318 | 34.06832602 | 3 | feet | | 2W1-RW29-C-S | 3/8/2001 | 0.1 | feet | soil |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W | 1 | 2W1-RW29-C | Hand Auger Borehole | -118.030318 | 34.06832602 | 3 | feet | | 2W1-RW29-C-1 | 3/8/2001 | 1 | feet | soil |
| 2W | 1 | 2W1-RW29-C | Hand Auger Borehole | -118.030318 | 34.06832602 | 3 | feet | | 2W1-RW29-C-2 | 3/8/2001 | 2 | feet | soil |
| 2W | 1 | 2W1-RW29-C | Hand Auger Borehole | -118.030318 | 34.06832602 | 3 | feet | | 2W1-RW29-C-3 | 3/8/2001 | 3 | feet | soil |
| 2W | 1 | 2W1-RW29-D | Hand Auger Borehole | -118.0301814 | 34.06844882 | 1 | feet | | 2W1-RW29-D-S | 3/8/2001 | 0.1 | feet | soil |
| 2W | 1 | 2W1-RW29-D | Hand Auger Borehole | -118.0301814 | 34.06844882 | 1 | feet | | 2W1-RW29-D-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W1-RW535/ | Hand Auger Borehole | -118.0283566 | 34.06830167 | 5 | feet | | 3W1-RW535AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W1-RW535/ | Hand Auger Borehole | -118.0283566 | 34.06830167 | 5 | feet | | 3W1-RW535AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W1-RW535/ | Hand Auger Borehole | -118.0283566 | 34.06830167 | 5 | feet | | 3W1-RW535AB | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W1-RW535/ | Hand Auger Borehole | -118.0283566 | 34.06830167 | 5 | feet | | 3W1-RW535AB | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0282744 | 34.06831493 | 4.5 | feet | | 3W1-RW535-B- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0282744 | 34.06831493 | 4.5 | feet | | 3W1-RW535-B- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0282744 | 34.06831493 | 4.5 | feet | | 3W1-RW535-B- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0282744 | 34.06831493 | 4.5 | feet | | 3W1-RW535-B- | 3/8/2001 | 4.5 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0283133 | 34.06838616 | 5 | feet | | 3W1-RW535-C- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0283133 | 34.06838616 | 5 | feet | | 3W1-RW535-C- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0283133 | 34.06838616 | 5 | feet | | 3W1-RW535-C- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0283133 | 34.06838616 | 5 | feet | | 3W1-RW535-C- | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0282052 | 34.06834533 | 5 | feet | | 3W1-RW535-D- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0282052 | 34.06834533 | 5 | feet | | 3W1-RW535-D- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0282052 | 34.06834533 | 5 | feet | | 3W1-RW535-D- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W1-RW535- | Hand Auger Borehole | -118.0282052 | 34.06834533 | 5 | feet | | 3W1-RW535-D- | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.024749 | 34.06847717 | 5 | feet | | 3W6-RW547-A- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.024749 | 34.06847717 | 5 | feet | | 3W6-RW547-A- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.024749 | 34.06847717 | 5 | feet | | 3W6-RW547-A- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.024749 | 34.06847717 | 5 | feet | | 3W6-RW547-A- | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.0245474 | 34.06842503 | 5 | feet | | 3W6-RW547-B- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.0245474 | 34.06842503 | 5 | feet | | 3W6-RW547-B- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.0245474 | 34.06842503 | 5 | feet | | 3W6-RW547-B- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.0245474 | 34.06842503 | 5 | feet | | 3W6-RW547-B- | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.0238727 | 34.06840047 | 4 | feet | | 3W6-RW547-C- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.0238727 | 34.06840047 | 4 | feet | | 3W6-RW547-C- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.0238727 | 34.06840047 | 4 | feet | | 3W6-RW547-C- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW547- | Hand Auger Borehole | -118.0238727 | 34.06840047 | 4 | feet | | 3W6-RW547-C- | 3/8/2001 | 4 | feet | soil |
| 3W | 1 | 3W6-RW547/ | Hand Auger Borehole | -118.0230417 | 34.06839466 | 5 | feet | | 3W6-RW547AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW547/ | Hand Auger Borehole | -118.0230417 | 34.06839466 | 5 | feet | | 3W6-RW547AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW547/ | Hand Auger Borehole | -118.0230417 | 34.06839466 | 5 | feet | | 3W6-RW547AB | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW547/ | Hand Auger Borehole | -118.0230417 | 34.06839466 | 5 | feet | | 3W6-RW547AB | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W6-RW553/ | Hand Auger Borehole | -118.0222881 | 34.06817116 | 2 | feet | | 3W6-RW553AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW553/ | Hand Auger Borehole | -118.0222881 | 34.06817116 | 2 | feet | | 3W6-RW553AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW553/ | Hand Auger Borehole | -118.0222881 | 34.06817116 | 2 | feet | | 3W6-RW553AB | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW553- | Hand Auger Borehole | -118.0218753 | 34.0680793 | 5 | feet | | 3W6-RW553-B- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW553- | Hand Auger Borehole | -118.0218753 | 34.0680793 | 5 | feet | | 3W6-RW553-B- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW553- | Hand Auger Borehole | -118.0218753 | 34.0680793 | 5 | feet | | 3W6-RW553-B- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW553- | Hand Auger Borehole | -118.0218753 | 34.0680793 | 5 | feet | | 3W6-RW553-B- | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W6-RW553- | Hand Auger Borehole | -118.021476 | 34.06800856 | 4.5 | feet | | 3W6-RW553-C- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW553- | Hand Auger Borehole | -118.021476 | 34.06800856 | 4.5 | feet | | 3W6-RW553-C- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW553- | Hand Auger Borehole | -118.021476 | 34.06800856 | 4.5 | feet | | 3W6-RW553-C- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW553- | Hand Auger Borehole | -118.021476 | 34.06800856 | 4.5 | feet | | 3W6-RW553-C- | 3/8/2001 | 4.5 | feet | soil |
| 3W | 1 | 3W6-RW553/ | Hand Auger Borehole | -118.0211983 | 34.06782922 | 3 | feet | | 3W6-RW553AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW553/ | Hand Auger Borehole | -118.0211983 | 34.06782922 | 3 | feet | | 3W6-RW553AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW553/ | Hand Auger Borehole | -118.0211983 | 34.06782922 | 3 | feet | | 3W6-RW553AB | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW553/ | Hand Auger Borehole | -118.0211983 | 34.06782922 | 3 | feet | | 3W6-RW553AB | 3/8/2001 | 3 | feet | soil |
| 3W | 1 | 3W6-RW557/ | Hand Auger Borehole | -118.0210006 | 34.06782974 | 2.5 | feet | | 3W6-RW557AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW557/ | Hand Auger Borehole | -118.0210006 | 34.06782974 | 2.5 | feet | | 3W6-RW557AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW557/ | Hand Auger Borehole | -118.0210006 | 34.06782974 | 2.5 | feet | | 3W6-RW557AB | 3/8/2001 | 2 | feet | soil |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 1 | 3W6-RW557/ | Hand Auger Borehole | -118.0210006 | 34.06782974 | 2.5 | feet | | 3W6-RW557AB | 3/8/2001 | 2.5 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0209077 | 34.06782879 | 2 | feet | | 3W6-RW557-B-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0209077 | 34.06782879 | 2 | feet | | 3W6-RW557-B-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0209077 | 34.06782879 | 2 | feet | | 3W6-RW557-B-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0207076 | 34.06774165 | 3 | feet | | 3W6-RW557-C-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0207076 | 34.06774165 | 3 | feet | | 3W6-RW557-C-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0207076 | 34.06774165 | 3 | feet | | 3W6-RW557-C-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0207076 | 34.06774165 | 3 | feet | | 3W6-RW557-C-3 | 3/8/2001 | 3 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0205544 | 34.06761883 | 2 | feet | | 3W6-RW557-D-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0205544 | 34.06761883 | 2 | feet | | 3W6-RW557-D-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W6-RW557- | Hand Auger Borehole | -118.0205544 | 34.06761883 | 2 | feet | | 3W6-RW557-D-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW49-A | Hand Auger Borehole | -118.0061011 | 34.06454166 | 1 | feet | | 3W7-RW49-A-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW49-A | Hand Auger Borehole | -118.0061011 | 34.06454166 | 1 | feet | | 3W7-RW49-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW49-E | Hand Auger Borehole | -118.0059243 | 34.06457444 | 3 | feet | | 3W7-RW49-B-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW49-B | Hand Auger Borehole | -118.0059243 | 34.06457444 | 3 | feet | | 3W7-RW49-B-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW49-E | Hand Auger Borehole | -118.0059243 | 34.06457444 | 3 | feet | | 3W7-RW49-B-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW49-E | Hand Auger Borehole | -118.0059243 | 34.06457444 | 3 | feet | | 3W7-RW49-B-3 | 3/8/2001 | 3 | feet | soil |
| 3W | 1 | 3W7-RW49-C | Hand Auger Borehole | -118.0057542 | 34.06458445 | 1 | feet | | 3W7-RW49-C-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW49-C | Hand Auger Borehole | -118.0057542 | 34.06458445 | 1 | feet | | 3W7-RW49-C-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW49AI | Hand Auger Borehole | -118.0055598 | 34.06461793 | 2 | feet | | 3W7-RW49ABT | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW49AI | Hand Auger Borehole | -118.0055598 | 34.06461793 | 2 | feet | | 3W7-RW49ABT | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW49AI | Hand Auger Borehole | -118.0055598 | 34.06461793 | 2 | feet | | 3W7-RW49ABT | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0175867 | 34.06638071 | 4 | feet | | 3W7-RW567-A-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0175867 | 34.06638071 | 4 | feet | | 3W7-RW567-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0175867 | 34.06638071 | 4 | feet | | 3W7-RW567-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0175867 | 34.06638071 | 4 | feet | | 3W7-RW567-A-4 | 3/8/2001 | 4 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0175197 | 34.06636155 | 2 | feet | | 3W7-RW567-B-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0175197 | 34.06636155 | 2 | feet | | 3W7-RW567-B-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0175197 | 34.06636155 | 2 | feet | | 3W7-RW567-B-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0174989 | 34.06628854 | 2 | feet | | 3W7-RW567-C-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0174989 | 34.06628854 | 2 | feet | | 3W7-RW567-C-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW567- | Hand Auger Borehole | -118.0174989 | 34.06628854 | 2 | feet | | 3W7-RW567-C-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW567/ | Hand Auger Borehole | -118.0174173 | 34.06628811 | 1 | feet | | 3W7-RW567AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW567/ | Hand Auger Borehole | -118.0174173 | 34.06628811 | 1 | feet | | 3W7-RW567AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW571/ | Hand Auger Borehole | -118.0171492 | 34.06622482 | 3.5 | feet | | 3W7-RW571AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW571/ | Hand Auger Borehole | -118.0171492 | 34.06622482 | 3.5 | feet | | 3W7-RW571AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW571/ | Hand Auger Borehole | -118.0171492 | 34.06622482 | 3.5 | feet | | 3W7-RW571AB | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW571/ | Hand Auger Borehole | -118.0171492 | 34.06622482 | 3.5 | feet | | 3W7-RW571AB | 3/8/2001 | 3.5 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.0171053 | 34.06622272 | 2 | feet | | 3W7-RW571-B-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.0171053 | 34.06622272 | 2 | feet | | 3W7-RW571-B-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.0171053 | 34.06622272 | 2 | feet | | 3W7-RW571-B-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.017028 | 34.06616118 | 3 | feet | | 3W7-RW571-C-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.017028 | 34.06616118 | 3 | feet | | 3W7-RW571-C-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.017028 | 34.06616118 | 3 | feet | | 3W7-RW571-C-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.017028 | 34.06616118 | 3 | feet | | 3W7-RW571-C-3 | 3/8/2001 | 3 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.0170036 | 34.06611042 | 3 | feet | | 3W7-RW571-D-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.0170036 | 34.06611042 | 3 | feet | | 3W7-RW571-D-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.0170036 | 34.06611042 | 3 | feet | | 3W7-RW571-D-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW571- | Hand Auger Borehole | -118.0170036 | 34.06611042 | 3 | feet | | 3W7-RW571-D-3 | 3/8/2001 | 3 | feet | soil |
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.0113295 | 34.06468573 | 2 | feet | | 3W7-RW587-A-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.0113295 | 34.06468573 | 2 | feet | | 3W7-RW587-A-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.0113295 | 34.06468573 | 2 | feet | | 3W7-RW587-A-2 | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.0112981 | 34.06467084 | 2 | feet | | 3W7-RW587-B-S | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.0112981 | 34.06467084 | 2 | feet | | 3W7-RW587-B-1 | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.0112981 | 34.06467084 | 2 | feet | | 3W7-RW587-B-2 | 3/8/2001 | 2 | feet | soil |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.011265 | 34.0646509 | 2 | feet | | 3W7-RW587-C- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.011265 | 34.0646509 | 2 | feet | | 3W7-RW587-C- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW587- | Hand Auger Borehole | -118.011265 | 34.0646509 | 2 | feet | | 3W7-RW587-C- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW587/ | Hand Auger Borehole | -118.0112437 | 34.0646552 | 5 | feet | | 3W7-RW587AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW587/ | Hand Auger Borehole | -118.0112437 | 34.0646552 | 5 | feet | | 3W7-RW587AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW587/ | Hand Auger Borehole | -118.0112437 | 34.0646552 | 5 | feet | | 3W7-RW587AB | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW587/ | Hand Auger Borehole | -118.0112437 | 34.0646552 | 5 | feet | | 3W7-RW587AB | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W7-RW591/ | Hand Auger Borehole | -118.0108129 | 34.06460355 | 1 | feet | | 3W7-RW591AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW591/ | Hand Auger Borehole | -118.0108129 | 34.06460355 | 1 | feet | | 3W7-RW591AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0107756 | 34.0645696 | 2 | feet | | 3W7-RW591-B- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0107756 | 34.0645696 | 2 | feet | | 3W7-RW591-B- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0107756 | 34.0645696 | 2 | feet | | 3W7-RW591-B- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0107254 | 34.06458809 | 2 | feet | | 3W7-RW591-C- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0107254 | 34.06458809 | 2 | feet | | 3W7-RW591-C- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0107254 | 34.06458809 | 2 | feet | | 3W7-RW591-C- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0105236 | 34.06464508 | 2 | feet | | 3W7-RW591-D- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0105236 | 34.06464508 | 2 | feet | | 3W7-RW591-D- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W7-RW591- | Hand Auger Borehole | -118.0105236 | 34.06464508 | 2 | feet | | 3W7-RW591-D- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0093113 | 34.06431403 | 1 | feet | | 3W10-RW595AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0093113 | 34.06431403 | 1 | feet | | 3W10-RW595AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.009259 | 34.06430707 | 4 | feet | | 3W10-RW595-B | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.009259 | 34.06430707 | 4 | feet | | 3W10-RW595-B | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.009259 | 34.06430707 | 4 | feet | | 3W10-RW595-B | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.009259 | 34.06430707 | 4 | feet | | 3W10-RW595-B | 3/8/2001 | 4 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0092135 | 34.06427895 | 5 | feet | | 3W10-RW595-C | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0092135 | 34.06427895 | 5 | feet | | 3W10-RW595-C | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0092135 | 34.06427895 | 5 | feet | | 3W10-RW595-C | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0092135 | 34.06427895 | 5 | feet | | 3W10-RW595-C | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0091736 | 34.06427002 | 2 | feet | | 3W10-RW595-D | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0091736 | 34.06427002 | 2 | feet | | 3W10-RW595-D | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W10-RW59 | Hand Auger Borehole | -118.0091736 | 34.06427002 | 2 | feet | | 3W10-RW595-D | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W11-RW59/ | Hand Auger Borehole | -118.002933 | 34.06504145 | 2 | feet | | 3W11-RW59AB | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W11-RW59/ | Hand Auger Borehole | -118.002933 | 34.06504145 | 2 | feet | | 3W11-RW59AB | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W11-RW59/ | Hand Auger Borehole | -118.002933 | 34.06504145 | 2 | feet | | 3W11-RW59AB | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0027477 | 34.06504552 | 5 | feet | | 3W11-RW59-B- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0027477 | 34.06504552 | 5 | feet | | 3W11-RW59-B- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0027477 | 34.06504552 | 5 | feet | | 3W11-RW59-B- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0027477 | 34.06504552 | 5 | feet | | 3W11-RW59-B- | 3/8/2001 | 5 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0025817 | 34.06510025 | 2 | feet | | 3W11-RW59-C- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0025817 | 34.06510025 | 2 | feet | | 3W11-RW59-C- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0025817 | 34.06510025 | 2 | feet | | 3W11-RW59-C- | 3/8/2001 | 2 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0029169 | 34.06503829 | | feet | | 3W11-RW59-D- | 3/8/2001 | 0.1 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0029169 | 34.06503829 | 2 | feet | | 3W11-RW59-D- | 3/8/2001 | 1 | feet | soil |
| 3W | 1 | 3W11-RW59- | Hand Auger Borehole | -118.0029169 | 34.06503829 | 2 | feet | | 3W11-RW59-D- | 3/8/2001 | 2 | feet | soil |

| Project Header | | | |
|---|---|---|---|
| Contract: | 43A0012 | | |
| Task Order: | 07-106951-8H | | |

Analytical Results

| Site ID | Contractor Borehole ID | Sample ID | Analysis Type | Lab Analysis ID | Matrix | Analysis Date | Lab Name | Result Units | Analyte | Value | Method Detection Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E | 1E1-A | 1E1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 161 | 10 |
| 1E | 1E1-A | 1E1-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.3 | 0.2 |
| 1E | 1E1-A | 1E1-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | pending | pending |
| 1E | 1E1-A | 1E1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 656 | 20 |
| 1E | 1E1-A | 1E1-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 35.3 | 2 |
| 1E | 1E1-A | 1E1-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E1-A | 1E1-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.09 | |
| 1E | 1E1-A | 1E1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 415 | 10 |
| 1E | 1E1-A | 1E1-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 34 | 2 |
| 1E | 1E1-A | 1E1-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E1-B | 1E1-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 518 | 20 |
| 1E | 1E1-B | 1E1-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20 | 2 |
| 1E | 1E1-B | 1E1-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.4 | 0.2 |
| 1E | 1E1-B | 1E1-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 225 | 10 |
| 1E | 1E1-B | 1E1-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14.7 | 0.2 |
| 1E | 1E1-B | 1E1-B-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.39 | 0.2 |
| 1E | 1E1-B | 1E1-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 278 | 10 |
| 1E | 1E1-B | 1E1-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.65 | 0.2 |
| 1E | 1E1-B | 1E1-B-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.68 | 0.2 |
| 1E | 1E1-C | 1E1-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 152 | 10 |
| 1E | 1E1-C | 1E1-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.97 | 0.2 |
| 1E | 1E1-C | 1E1-C-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E1-C | 1E1-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 164 | 10 |
| 1E | 1E1-C | 1E1-C-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.54 | 0.2 |
| 1E | 1E1-C | 1E1-C-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E1-C | 1E1-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 106 | 10 |
| 1E | 1E1-C | 1E1-C-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.12 | 0.2 |
| 1E | 1E1-C | 1E1-C-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E2-A | 1E2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 237 | 10 |
| 1E | 1E2-A | 1E2-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.5 | 2 |
| 1E | 1E2-A | 1E2-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E2-A | 1E2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E2-A | 1E2-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.7 | |
| 1E | 1E2-A | 1E2-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E2-B | 1E2-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 476 | 10 |
| 1E | 1E2-B | 1E2-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 24.3 | 2 |
| 1E | 1E2-B | 1E2-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E2-B | 1E2-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E2-B | 1E2-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 53.3 | 10 |
| 1E | 1E2-B | 1E2-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.51 | 0.2 |
| 1E | 1E3-A | 1E3-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 221 | 10 |
| 1E | 1E3-A | 1E3-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.4 | 2 |
| 1E | 1E3-A | 1E3-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E | 1E3-A | 1E3-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 35.8 | 10 |
| 1E | 1E3-A | 1E3-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.2 | 10 |
| 1E | 1E3-B | 1E3-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 90.7 | 10 |
| 1E | 1E3-B | 1E3-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.35 | 0.2 |
| 1E | 1E3-B | 1E3-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E3-B | 1E3-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 73 | 10 |
| 1E | 1E3-B | 1E3-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.27 | 0.2 |
| 1E | 1E3-B | 1E3-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 70.7 | 10 |
| 1E | 1E3-B | 1E3-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.59 | 0.2 |
| 1E | 1E3-B | 1E3-B-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.51 | |
| 1E | 1E3-D | 1E3-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 433 | 10 |
| 1E | 1E3-D | 1E3-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 17 | 2 |
| 1E | 1E3-D | 1E3-D-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E3-D | 1E3-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 117 | 10 |
| 1E | 1E3-D | 1E3-D-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 19.2 | 2 |
| 1E | 1E3-D | 1E3-D-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.22 | 0.2 |
| 1E | 1E3-D | 1E3-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E-RW64-A | 1E-RW64-A-S | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 231 | 10 |
| 1E | 1E-RW64-A | 1E-RW64-A-S | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.34 | 0.2 |
| 1E | 1E-RW64-A | 1E-RW64-A-S | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E-RW64-A | 1E-RW64-A-S | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.4 | |
| 1E | 1E-RW64-A | 1E-RW64-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.8 | 10 |
| 1E | 1E-RW64-A | 1E-RW64-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E-RW64ABT- | 1E-RW64ABT | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 196 | 10 |
| 1E | 1E-RW64ABT- | 1E-RW64ABT | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.12 | 0.2 |
| 1E | 1E-RW64ABT- | 1E-RW64ABT | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E-RW64ABT- | 1E-RW64ABT | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 10.6 | 10 |
| 1E | 1E-RW64ABT- | 1E-RW64ABT | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.26 | |
| 1E | 1E-RW64ABT- | 1E-RW64ABT | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E-RW64ABT- | 1E-RW64ABT | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 31.5 | 10 |
| 1E | 1E-RW64-B | 1E-RW64-B-S | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 227 | 10 |
| 1E | 1E-RW64-B | 1E-RW64-B-S | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.2 | 0.2 |
| 1E | 1E-RW64-B | 1E-RW64-B-S | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E-RW64-B | 1E-RW64-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E-RW64-B | 1E-RW64-B-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.49 | |
| 1E | 1E-RW64-B | 1E-RW64-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E-RW64-B | 1E-RW64-B-5 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 26.4 | 10 |
| 1E | 1E-RW64-C | 1E-RW64-C-S | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 150 | 10 |
| 1E | 1E-RW64-C | 1E-RW64-C-S | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.5 | 0.2 |
| 1E | 1E-RW64-C | 1E-RW64-C-S | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1E | 1E-RW64-C | 1E-RW64-C-S | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.66 | |
| 1E | 1E-RW64-C | 1E-RW64-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.3 | 10 |
| 1E | 1E-RW64-C | 1E-RW64-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1E | 1E-RW64-C | 1E-RW64-C-5 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-A | 1W1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 80.8 | 10 |
| 1W | 1W1-A | 1W1-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.53 | 0.2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W | 1W1-A | 1W1-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.23 | |
| 1W | 1W1-A | 1W1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 601 | 20 |
| 1W | 1W1-A | 1W1-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 26.9 | 2 |
| 1W | 1W1-A | 1W1-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.01 | 0.2 |
| 1W | 1W1-A | 1W1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 91.6 | 10 |
| 1W | 1W1-A | 1W1-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.25 | 0.2 |
| 1W | 1W1-B | 1W1-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 534 | 10 |
| 1W | 1W1-B | 1W1-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 28.4 | 2 |
| 1W | 1W1-B | 1W1-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-B | 1W1-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 161 | 10 |
| 1W | 1W1-B | 1W1-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.2 | 2 |
| 1W | 1W1-B | 1W1-B-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-B | 1W1-B-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.87 | |
| 1W | 1W1-B | 1W1-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 79.2 | 10 |
| 1W | 1W1-B | 1W1-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.67 | 0.2 |
| 1W | 1W1-B | 1W1-B-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.91 | 0.2 |
| 1W | 1W1-C | 1W1-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2040 | 100 |
| 1W | 1W1-C | 1W1-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 133 | 4 |
| 1W | 1W1-C | 1W1-C-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-C | 1W1-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-C | 1W1-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 865 | 20 |
| 1W | 1W1-C | 1W1-C-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 37.4 | 2 |
| 1W | 1W1-C | 1W1-C-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.3 | 0.2 |
| 1W | 1W1-C | 1W1-C-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.01 | |
| 1W | 1W1-D | 1W1-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 792 | 20 |
| 1W | 1W1-D | 1W1-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.56 | 0.2 |
| 1W | 1W1-D | 1W1-D-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-D | 1W1-D-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.03 | |
| 1W | 1W1-D | 1W1-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-D | 1W1-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 286 | 10 |
| 1W | 1W1-D | 1W1-D-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 17.2 | 2 |
| 1W | 1W1-D | 1W1-D-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-E | 1W1-E-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1100 | 50 |
| 1W | 1W1-E | 1W1-E-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 81.3 | 10 |
| 1W | 1W1-E | 1W1-E-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.87 | 0.2 |
| 1W | 1W1-E | 1W1-E-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-E | 1W1-E-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 64.2 | 10 |
| 1W | 1W1-E | 1W1-E-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.66 | 0.2 |
| 1W | 1W1-F | 1W1-F-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2240 | 100 |
| 1W | 1W1-F | 1W1-F-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-F | 1W1-F-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-G | 1W1-G-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 604 | 20 |
| 1W | 1W1-G | 1W1-G-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 80 | 2 |
| 1W | 1W1-G | 1W1-G-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-G | 1W1-G-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 184 | 10 |
| 1W | 1W1-G | 1W1-G-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10 | 0.2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W | 1W1-G | 1W1-G-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-G | 1W1-G-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.8 | 10 |
| 1W | 1W1-H | 1W1-H-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 306 | 10 |
| 1W | 1W1-H | 1W1-H-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 26.6 | 2 |
| 1W | 1W1-H | 1W1-H-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-H | 1W1-H-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 10.1 | 10 |
| 1W | 1W1-H | 1W1-H-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 545 | 20 |
| 1W | 1W1-H | 1W1-H-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.3 | 0.4 |
| 1W | 1W1-H | 1W1-H-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.31 | 0.2 |
| 1W | 1W1-I | 1W1-I-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 3980 | 100 |
| 1W | 1W1-I | 1W1-I-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 9.8 | 10 |
| 1W | 1W1-I | 1W1-I-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2150 | 100 |
| 1W | 1W1-J | 1W1-J-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 3570 | 10 |
| 1W | 1W1-J | 1W1-J-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-J | 1W1-J-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.8 | 10 |
| 1W | 1W1-K | 1W1-K-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2340 | 50 |
| 1W | 1W1-K | 1W1-K-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2120 | 50 |
| 1W | 1W1-K | 1W1-K-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1110 | 50 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 420 | 10 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.79 | 0.2 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.28 | 0.2 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.63 | |
| 1W | 1W1-RW489-A | 1W1-RW489-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 100 | 10 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.69 | 0.2 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 18.5 | 10 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 252 | 10 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.42 | 0.2 |
| 1W | 1W1-RW489-A | 1W1-RW489-A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.31 | 0.2 |
| 1W | 1W1-RW489AE | 1W1-RW489A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 454 | 10 |
| 1W | 1W1-RW489AE | 1W1-RW489A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.54 | 0.2 |
| 1W | 1W1-RW489AE | 1W1-RW489A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW489AE | 1W1-RW489A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 175 | 10 |
| 1W | 1W1-RW489AE | 1W1-RW489A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.84 | 0.2 |
| 1W | 1W1-RW489AE | 1W1-RW489A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 49.2 | 10 |
| 1W | 1W1-RW489AE | 1W1-RW489A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.7 | 10 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 93.6 | 10 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.03 | 0.2 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.5 | |
| 1W | 1W1-RW489-B | 1W1-RW489-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 334 | 10 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 16.5 | 2 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.36 | 0.2 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 202 | 10 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.76 | 0.2 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.35 | 0.2 |
| 1W | 1W1-RW489-B | 1W1-RW489-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12 | 10 |
| 1W | 1W1-RW489-C | 1W1-RW489-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 382 | 10 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W | 1W1-RW489-C | 1W1-RW489-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 21.7 | 2 |
| 1W | 1W1-RW489-C | 1W1-RW489-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.28 | 0.2 |
| 1W | 1W1-RW489-C | 1W1-RW489-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.3 | 10 |
| 1W | 1W1-RW489-C | 1W1-RW489-( | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.15 | |
| 1W | 1W1-RW489-C | 1W1-RW489-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.1 | 10 |
| 1W | 1W1-RW489-C | 1W1-RW489-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW497AE | 1W1-RW497A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 116 | 10 |
| 1W | 1W1-RW497AE | 1W1-RW497A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.96 | 0.2 |
| 1W | 1W1-RW497AE | 1W1-RW497A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 877 | 20 |
| 1W | 1W1-RW497AE | 1W1-RW497A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 24.5 | 2 |
| 1W | 1W1-RW497AE | 1W1-RW497A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW497AE | 1W1-RW497A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 454 | 10 |
| 1W | 1W1-RW497AE | 1W1-RW497A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 22.9 | 2 |
| 1W | 1W1-RW497AE | 1W1-RW497A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.27 | 0.2 |
| 1W | 1W1-RW497AE | 1W1-RW497A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 143 | 10 |
| 1W | 1W1-RW497AE | 1W1-RW497A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.11 | 0.2 |
| 1W | 1W1-RW497-B | 1W1-RW497-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 144 | 10 |
| 1W | 1W1-RW497-B | 1W1-RW497-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.32 | 0.2 |
| 1W | 1W1-RW497-B | 1W1-RW497-E | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW497-B | 1W1-RW497-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 196 | 10 |
| 1W | 1W1-RW497-B | 1W1-RW497-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.58 | 0.2 |
| 1W | 1W1-RW497-B | 1W1-RW497-E | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW497-B | 1W1-RW497-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33 | 10 |
| 1W | 1W1-RW497-B | 1W1-RW497-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW497-C | 1W1-RW497-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2960 | 100 |
| 1W | 1W1-RW497-C | 1W1-RW497-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.6 | 10 |
| 1W | 1W1-RW497-C | 1W1-RW497-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 10.9 | 10 |
| 1W | 1W1-RW497-C | 1W1-RW497-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW497-D | 1W1-RW497-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1160 | 100 |
| 1W | 1W1-RW497-D | 1W1-RW497-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW497-D | 1W1-RW497-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.8 | 10 |
| 1W | 1W1-RW497-D | 1W1-RW497-I | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.36 | |
| 1W | 1W1-RW497-D | 1W1-RW497-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 41.1 | 10 |
| 1W | 1W1-RW505AE | 1W1-RW505A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW505AE | 1W1-RW505A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW505AE | 1W1-RW505A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW505AE | 1W1-RW505A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW505AE | 1W1-RW505A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 880 | 20 |
| 1W | 1W1-RW505AE | 1W1-RW505A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 46.1 | 2 |
| 1W | 1W1-RW505AE | 1W1-RW505A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW505AE | 1W1-RW505A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 465 | 10 |
| 1W | 1W1-RW505AE | 1W1-RW505A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 33.7 | 2 |
| 1W | 1W1-RW505AE | 1W1-RW505A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW505AE | 1W1-RW505A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 10.8 | 10 |
| 1W | 1W1-RW505-B | 1W1-RW505-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 804 | 20 |
| 1W | 1W1-RW505-B | 1W1-RW505-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 58.7 | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W | 1W1-RW505-B | 1W1-RW505-E | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW505-B | 1W1-RW505-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 279 | 10 |
| 1W | 1W1-RW505-B | 1W1-RW505-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20.3 | 2 |
| 1W | 1W1-RW505-B | 1W1-RW505-E | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW505-B | 1W1-RW505-E | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.93 | |
| 1W | 1W1-RW505-B | 1W1-RW505-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW505-B | 1W1-RW505-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 65.2 | 10 |
| 1W | 1W1-RW505-B | 1W1-RW505-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.59 | 0.2 |
| 1W | 1W1-RW505-C | 1W1-RW505-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 72.6 | 10 |
| 1W | 1W1-RW505-C | 1W1-RW505-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.74 | 0.2 |
| 1W | 1W1-RW505-C | 1W1-RW505-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW505-C | 1W1-RW505-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW505-D | 1W1-RW505-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 414 | 10 |
| 1W | 1W1-RW505-D | 1W1-RW505-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 29.9 | 2 |
| 1W | 1W1-RW505-D | 1W1-RW505-E | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW505-D | 1W1-RW505-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.2 | 10 |
| 1W | 1W1-RW505-D | 1W1-RW505-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 18.3 | 10 |
| 1W | 1W1-RW505-D | 1W1-RW505-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW515AE | 1W1-RW515A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1620 | 100 |
| 1W | 1W1-RW515AE | 1W1-RW515A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 14.9 | 10 |
| 1W | 1W1-RW515AE | 1W1-RW515A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW515-B | 1W1-RW515-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1610 | 100 |
| 1W | 1W1-RW515-B | 1W1-RW515-E | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.09 | |
| 1W | 1W1-RW515-B | 1W1-RW515-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW515-B | 1W1-RW515-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 25.1 | 10 |
| 1W | 1W1-RW515-B | 1W1-RW515-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 22.4 | 10 |
| 1W | 1W1-RW523-A | 1W1-RW523-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 262 | 10 |
| 1W | 1W1-RW523-A | 1W1-RW523-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 26.5 | 2 |
| 1W | 1W1-RW523-A | 1W1-RW523-A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW523-A | 1W1-RW523-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW523-A | 1W1-RW523-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW523-A | 1W1-RW523-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.64 | |
| 1W | 1W1-RW523-A | 1W1-RW523-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW523AE | 1W1-RW523A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1130 | 50 |
| 1W | 1W1-RW523AE | 1W1-RW523A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 238 | 10 |
| 1W | 1W1-RW523AE | 1W1-RW523A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 12.9 | 2 |
| 1W | 1W1-RW523AE | 1W1-RW523A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW523AE | 1W1-RW523A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 128 | 10 |
| 1W | 1W1-RW523AE | 1W1-RW523A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.7 | 0.2 |
| 1W | 1W1-RW523AE | 1W1-RW523A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW523AE | 1W1-RW523A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 127 | 10 |
| 1W | 1W1-RW523AE | 1W1-RW523A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.54 | 0.2 |
| 1W | 1W1-RW523AE | 1W1-RW523A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW523-B | 1W1-RW523-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 804 | 20 |
| 1W | 1W1-RW523-B | 1W1-RW523-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.5 | 2 |
| 1W | 1W1-RW523-B | 1W1-RW523-E | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 1W | 1W1-RW523-B | 1W1-RW523-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 225 | 10 |
| 1W | 1W1-RW523-B | 1W1-RW523-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.04 | 0.2 |
| 1W | 1W1-RW523-B | 1W1-RW523-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW523-B | 1W1-RW523-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 359 | 10 |
| 1W | 1W1-RW523-B | 1W1-RW523-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 30.2 | 2 |
| 1W | 1W1-RW523-B | 1W1-RW523-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 1W | 1W1-RW99-A | 1W1-RW99-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW99-A | 1W1-RW99-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13 | 10 |
| 1W | 1W1-RW99-A | 1W1-RW99-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW99-A | 1W1-RW99-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.96 | |
| 1W | 1W1-RW99AB | 1W1-RW99AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.7 | 10 |
| 1W | 1W1-RW99AB | 1W1-RW99AB | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.09 | |
| 1W | 1W1-RW99AB | 1W1-RW99AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.9 | 10 |
| 1W | 1W1-RW99AB | 1W1-RW99AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 64.3 | 10 |
| 1W | 1W1-RW99AB | 1W1-RW99AB | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.9 | 0.2 |
| 1W | 1W1-RW99AB | 1W1-RW99AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 60.7 | 10 |
| 1W | 1W1-RW99AB | 1W1-RW99AB | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.53 | 0.2 |
| 1W | 1W1-RW99AB | 1W1-RW99AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21.4 | 10 |
| 1W | 1W1-RW99AB | 1W1-RW99AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 24.4 | 10 |
| 1W | 1W1-RW99-B | 1W1-RW99-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 1W | 1W1-RW99-B | 1W1-RW99-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 36.7 | 10 |
| 1W | 1W1-RW99-B | 1W1-RW99-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 23.9 | 10 |
| 2E | 2E1-A | 2E1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 194 | 10 |
| 2E | 2E1-A | 2E1-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.57 | 0.2 |
| 2E | 2E1-A | 2E1-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2E | 2E1-A | 2E1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 91.3 | 10 |
| 2E | 2E1-A | 2E1-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.49 | 0.2 |
| 2E | 2E1-A | 2E1-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.47 | |
| 2E | 2E1-A | 2E1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 72.5 | 10 |
| 2E | 2E1-A | 2E1-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.85 | 0.2 |
| 2E | 2E1-B | 2E1-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-B | 2E1-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21 | 10 |
| 2E | 2E1-B | 2E1-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-C | 2E1-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 58.2 | 10 |
| 2E | 2E1-C | 2E1-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.36 | 0.2 |
| 2E | 2E1-C | 2E1-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 40.5 | 10 |
| 2E | 2E1-C | 2E1-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34 | 10 |
| 2E | 2E1-D | 2E1-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 57.3 | 10 |
| 2E | 2E1-D | 2E1-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.22 | 0.2 |
| 2E | 2E1-D | 2E1-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 27.8 | 10 |
| 2E | 2E1-D | 2E1-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 84.4 | 10 |
| 2E | 2E1-D | 2E1-D-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.37 | 0.2 |
| 2E | 2E1-D | 2E1-D-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2E | 2E1-E | 2E1-E-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37.3 | 10 |
| 2E | 2E1-E | 2E1-E-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 32 | 10 |
| 2E | 2E1-E | 2E1-E-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.5 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 2E | 2E1-F | 2E1-F-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 47 | 10 |
| 2E | 2E1-F | 2E1-F-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-F | 2E1-F-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 70.3 | 10 |
| 2E | 2E1-F | 2E1-F-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.57 | 0.2 |
| 2E | 2E1-F | 2E1-F-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.75 | |
| 2E | 2E1-RW470AB | 2E1-RW470A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 153 | 10 |
| 2E | 2E1-RW470AB | 2E1-RW470A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.22 | 0.2 |
| 2E | 2E1-RW470AB | 2E1-RW470A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.3 | 10 |
| 2E | 2E1-RW470AB | 2E1-RW470A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW470-B | 2E1-RW470-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 138 | 10 |
| 2E | 2E1-RW470-B | 2E1-RW470-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.74 | 0.2 |
| 2E | 2E1-RW470-B | 2E1-RW470-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 10.4 | 10 |
| 2E | 2E1-RW470-B | 2E1-RW470-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW470-B | 2E1-RW470-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW470-C | 2E1-RW470-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.9 | 10 |
| 2E | 2E1-RW470-C | 2E1-RW470-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.4 | |
| 2E | 2E1-RW470-C | 2E1-RW470-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.3 | 10 |
| 2E | 2E1-RW470-C | 2E1-RW470-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 26.1 | 10 |
| 2E | 2E1-RW470-C | 2E1-RW470-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW470-D | 2E1-RW470-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.5 | 10 |
| 2E | 2E1-RW470-D | 2E1-RW470-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.2 | 10 |
| 2E | 2E1-RW470-D | 2E1-RW470-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 43.1 | 10 |
| 2E | 2E1-RW470-D | 2E1-RW470-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 40.3 | 10 |
| 2E | 2E1-RW88-A | 2E1-RW88-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 35.5 | 10 |
| 2E | 2E1-RW88-A | 2E1-RW88-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19 | 10 |
| 2E | 2E1-RW88-A | 2E1-RW88-A- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.23 | |
| 2E | 2E1-RW88-A | 2E1-RW88-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW88-A | 2E1-RW88-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW88-B | 2E1-RW88-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 42.1 | 10 |
| 2E | 2E1-RW88-B | 2E1-RW88-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.1 | 10 |
| 2E | 2E1-RW88-B | 2E1-RW88-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 48.4 | 10 |
| 2E | 2E1-RW88-B | 2E1-RW88-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW88-C | 2E1-RW88-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 520 | 10 |
| 2E | 2E1-RW88-C | 2E1-RW88-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 38.1 | 2 |
| 2E | 2E1-RW88-C | 2E1-RW88-C- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.41 | 0.2 |
| 2E | 2E1-RW88-C | 2E1-RW88-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW88-C | 2E1-RW88-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 17.5 | 10 |
| 2E | 2E1-RW88-C | 2E1-RW88-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW88-D | 2E1-RW88-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 49.6 | 10 |
| 2E | 2E1-RW88-D | 2E1-RW88-D- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.42 | |
| 2E | 2E1-RW88-D | 2E1-RW88-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW88-D | 2E1-RW88-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E1-RW88-D | 2E1-RW88-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.1 | 10 |
| 2E | 2E2-A | 2E2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.5 | 10 |
| 2E | 2E2-A | 2E2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 42 | 10 |
| 2E | 2E2-A | 2E2-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 91.2 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 2E | 2E2-A | 2E2-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.06 | 0.2 |
| 2E | 2E2-A | 2E2-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.26 | 0.2 |
| 2E | 2E2-B | 2E2-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1160 | 50 |
| 2E | 2E2-B | 2E2-B-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.27 | |
| 2E | 2E2-B | 2E2-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 694 | 20 |
| 2E | 2E2-B | 2E2-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 36.8 | 2 |
| 2E | 2E2-B | 2E2-B-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.44 | 0.2 |
| 2E | 2E2-B | 2E2-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 421 | 10 |
| 2E | 2E2-B | 2E2-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.8 | 2 |
| 2E | 2E2-B | 2E2-B-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.21 | 0.2 |
| 2E | 2E2-RW490-A | 2E2-RW490-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1870 | 50 |
| 2E | 2E2-RW490-A | 2E2-RW490-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.64 | |
| 2E | 2E2-RW490-A | 2E2-RW490-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1770 | 50 |
| 2E | 2E2-RW490-A | 2E2-RW490-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 665 | 20 |
| 2E | 2E2-RW490-A | 2E2-RW490-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 41.8 | 2 |
| 2E | 2E2-RW490-A | 2E2-RW490-A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.72 | 0.2 |
| 2E | 2E2-RW490-A | 2E2-RW490-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 99.1 | 10 |
| 2E | 2E2-RW490-A | 2E2-RW490-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.75 | 0.2 |
| 2E | 2E2-RW490-B | 2E2-RW490-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2060 | 50 |
| 2E | 2E2-RW490-B | 2E2-RW490-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1350 | 50 |
| 2E | 2E2-RW490-B | 2E2-RW490-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.73 | |
| 2E | 2E2-RW490-B | 2E2-RW490-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 635 | 20 |
| 2E | 2E2-RW490-B | 2E2-RW490-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 36.6 | 2 |
| 2E | 2E2-RW490-B | 2E2-RW490-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.64 | 0.2 |
| 2E | 2E2-RW490-B | 2E2-RW490-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1460 | 50 |
| 2E | 2E2-RW490-C | 2E2-RW490-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 421 | 10 |
| 2E | 2E2-RW490-C | 2E2-RW490-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20.2 | 2 |
| 2E | 2E2-RW490-C | 2E2-RW490-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.42 | 0.2 |
| 2E | 2E2-RW490-C | 2E2-RW490-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 249 | 10 |
| 2E | 2E2-RW490-C | 2E2-RW490-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.96 | 0.2 |
| 2E | 2E2-RW490-C | 2E2-RW490-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.9 | 10 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 326 | 10 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20.9 | 2 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.46 | 0.2 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 314 | 10 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 26.7 | 2 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.79 | 0.2 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 64.9 | 10 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.05 | 0.2 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 81.4 | 10 |
| 2E | 2E2-RW490-D | 2E2-RW490-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.72 | 0.2 |
| 2E | 2E3-A | 2E3-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1860 | 100 |
| 2E | 2E3-A | 2E3-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 149 | 10 |
| 2E | 2E3-A | 2E3-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.8 | 2 |
| 2E | 2E3-A | 2E3-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.52 | 0.2 |
| 2E | 2E3-B | 2E3-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 197 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 2E | 2E3-B | 2E3-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.94 | 0.2 |
| 2E | 2E3-B | 2E3-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2E | 2E3-B | 2E3-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 14.6 | 10 |
| 2W | 2W1-A | 2W1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1090 | 50 |
| 2W | 2W1-A | 2W1-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.32 | |
| 2W | 2W1-A | 2W1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 396 | 10 |
| 2W | 2W1-A | 2W1-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.6 | 2 |
| 2W | 2W1-A | 2W1-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.24 | 0.2 |
| 2W | 2W1-A | 2W1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 214 | 10 |
| 2W | 2W1-A | 2W1-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.6 | 0.2 |
| 2W | 2W1-A | 2W1-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.25 | 0.2 |
| 2W | 2W1-B | 2W1-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1010 | 50 |
| 2W | 2W1-B | 2W1-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 759 | 20 |
| 2W | 2W1-B | 2W1-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 43.3 | 2 |
| 2W | 2W1-B | 2W1-B-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.24 | 0.2 |
| 2W | 2W1-B | 2W1-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 332 | 0 |
| 2W | 2W1-B | 2W1-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 12.9 | 2 |
| 2W | 2W1-B | 2W1-B-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.35 | 0.2 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 794 | 20 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 42.7 | 2 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.21 | 0.2 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.78 | |
| 2W | 2W1-RW29-B | 2W1-RW29-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 814 | 20 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20.6 | 2 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.33 | 0.2 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.84 | |
| 2W | 2W1-RW29-B | 2W1-RW29-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 757 | 20 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 34.2 | 2 |
| 2W | 2W1-RW29-B | 2W1-RW29-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 351 | 10 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.5 | 2 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.58 | |
| 2W | 2W1-RW29-C | 2W1-RW29-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 371 | 10 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.4 | 2 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 316 | 10 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.8 | 2 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 159 | 10 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.3 | 2 |
| 2W | 2W1-RW29-C | 2W1-RW29-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.23 | 0.2 |
| 2W | 2W1-RW29-D | 2W1-RW29-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 235 | 10 |
| 2W | 2W1-RW29-D | 2W1-RW29-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.3 | 2 |
| 2W | 2W1-RW29-D | 2W1-RW29-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2W | 2W1-RW29-D | 2W1-RW29-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 56.6 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 2W | 2W1-RW29-D | 2W1-RW29-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.08 | 0.2 |
| 2W | 2W1-RW29-D | 2W1-RW29-D | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.57 | |
| 2W | 2W2-A | 2W2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 24.4 | 10 |
| 2W | 2W2-A | 2W2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.3 | 10 |
| 2W | 2W2-A | 2W2-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.63 | |
| 2W | 2W2-A | 2W2-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.2 | 10 |
| 2W | 2W3-A | 2W3-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 51.5 | 10 |
| 2W | 2W3-A | 2W3-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.91 | 0.2 |
| 2W | 2W3-A | 2W3-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 17.2 | 10 |
| 2W | 2W3-A | 2W3-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 17.5 | 10 |
| 2W | 2W3-A | 2W3-A-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.28 | |
| 2W | 2W3-B | 2W3-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 25.5 | 10 |
| 2W | 2W3-B | 2W3-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 2W | 2W3-B | 2W3-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.5 | 10 |
| 2W | 2W4-A | 2W4-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 117 | 10 |
| 2W | 2W4-A | 2W4-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.7 | 0.2 |
| 2W | 2W4-A | 2W4-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.4 | 10 |
| 2W | 2W4-A | 2W4-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.3 | 10 |
| 2W | 2W5-A | 2W5-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 167 | 10 |
| 2W | 2W5-A | 2W5-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.08 | 0.2 |
| 2W | 2W5-A | 2W5-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2W | 2W5-A | 2W5-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.5 | |
| 2W | 2W5-A | 2W5-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 9.89 | 10 |
| 2W | 2W5-A | 2W5-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 48.7 | 10 |
| 2W | 2W5-B | 2W5-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 520 | 20 |
| 2W | 2W5-B | 2W5-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 31 | 2 |
| 2W | 2W5-B | 2W5-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2W | 2W5-B | 2W5-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 22.2 | 10 |
| 2W | 2W5-B | 2W5-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 125 | 10 |
| 2W | 2W5-B | 2W5-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.78 | 0.2 |
| 2W | 2W5-B | 2W5-B-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 2W | 2W5-C | 2W5-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.1 | 10 |
| 2W | 2W5-C | 2W5-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.2 | 10 |
| 2W | 2W5-C | 2W5-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 38.3 | 10 |
| 2W | 2W5-D | 2W5-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 471 | 10 |
| 2W | 2W5-D | 2W5-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.5 | 2 |
| 2W | 2W5-D | 2W5-D-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.26 | 0.2 |
| 2W | 2W5-D | 2W5-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.9 | 10 |
| 2W | 2W5-D | 2W5-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21.2 | 10 |
| 3E | 3E1-A | 3E1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.4 | 10 |
| 3E | 3E1-A | 3E1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3E | 3E1-A | 3E1-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.09 | |
| 3E | 3E1-A | 3E1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3E | 3E1-B | 3E1-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 64.8 | 10 |
| 3E | 3E1-B | 3E1-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.88 | 0.2 |
| 3E | 3E1-B | 3E1-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.7 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3E | 3E1-B | 3E1-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3E | 3E1-RW496AB | 3E1-RW496AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 235 | 10 |
| 3E | 3E1-RW496AB | 3E1-RW496AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20 | 2 |
| 3E | 3E1-RW496AB | 3E1-RW496AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E1-RW496AB | 3E1-RW496AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 42.5 | 10 |
| 3E | 3E1-RW496AB | 3E1-RW496AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.7 | 10 |
| 3E | 3E1-RW496-B | 3E1-RW496-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1910 | 100 |
| 3E | 3E1-RW496-B | 3E1-RW496-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.7 | |
| 3E | 3E1-RW496-B | 3E1-RW496-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 151 | 10 |
| 3E | 3E1-RW496-B | 3E1-RW496-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.9 | 2 |
| 3E | 3E1-RW496-B | 3E1-RW496-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E1-RW496-B | 3E1-RW496-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.5 | 10 |
| 3E | 3E1-RW496-B | 3E1-RW496-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3E | 3E1-RW496-C | 3E1-RW496-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 722 | 20 |
| 3E | 3E1-RW496-C | 3E1-RW496-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 46.5 | 2 |
| 3E | 3E1-RW496-C | 3E1-RW496-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.3 | 0.2 |
| 3E | 3E1-RW496-C | 3E1-RW496-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 27.9 | 10 |
| 3E | 3E1-RW496-C | 3E1-RW496-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 631 | 20 |
| 3E | 3E1-RW496-C | 3E1-RW496-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 38.9 | 2 |
| 3E | 3E1-RW496-C | 3E1-RW496-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.42 | 0.2 |
| 3E | 3E1-RW496-C | 3E1-RW496-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.6 | 10 |
| 3E | 3E1-RW496-D | 3E1-RW496-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1390 | 100 |
| 3E | 3E1-RW496-D | 3E1-RW496-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2130 | 100 |
| 3E | 3E1-RW496-D | 3E1-RW496-D | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.35 | |
| 3E | 3E1-RW496-D | 3E1-RW496-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 725 | 20 |
| 3E | 3E1-RW496-D | 3E1-RW496-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 31.2 | 2 |
| 3E | 3E1-RW496-D | 3E1-RW496-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.29 | 0.2 |
| 3E | 3E1-RW496-D | 3E1-RW496-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 97.7 | 10 |
| 3E | 3E1-RW496-D | 3E1-RW496-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.12 | 2 |
| 3E | 3E2-A | 3E2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 583 | 20 |
| 3E | 3E2-A | 3E2-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 25.9 | 2 |
| 3E | 3E2-A | 3E2-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E2-A | 3E2-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.08 | |
| 3E | 3E2-A | 3E2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3E | 3E2-A | 3E2-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 17.4 | 10 |
| 3E | 3E3-A | 3E3-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1200 | 100 |
| 3E | 3E3-A | 3E3-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 50.8 | 10 |
| 3E | 3E3-A | 3E3-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.07 | 0.2 |
| 3E | 3E3-A | 3E3-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.79 | |
| 3E | 3E3-A | 3E3-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 312 | 10 |
| 3E | 3E3-A | 3E3-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14 | 0.4 |
| 3E | 3E3-A | 3E3-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E3-A | 3E3-A-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.71 | |
| 3E | 3E3-B | 3E3-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 38.9 | 10 |
| 3E | 3E3-B | 3E3-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 46.1 | 10 |
| 3E | 3E3-B | 3E3-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 51.7 | 10 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3E | 3E3-B | 3E3-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.92 | 0.2 |
| 3E | 3E3-C | 3E3-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 287 | 10 |
| 3E | 3E3-C | 3E3-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 12 | 2 |
| 3E | 3E3-C | 3E3-C-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E3-C | 3E3-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 38 | 10 |
| 3E | 3E3-C | 3E3-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 225 | 10 |
| 3E | 3E3-C | 3E3-C-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14.8 | 0.4 |
| 3E | 3E3-C | 3E3-C-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E3-D | 3E3-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 65.4 | 10 |
| 3E | 3E3-D | 3E3-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.16 | 0.2 |
| 3E | 3E3-D | 3E3-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21.7 | 10 |
| 3E | 3E3-D | 3E3-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 23.3 | 10 |
| 3E | 3E3-E | 3E3-E-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 118 | 10 |
| 3E | 3E3-E | 3E3-E-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.53 | 0.2 |
| 3E | 3E3-E | 3E3-E-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E3-E | 3E3-E-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 46.9 | 10 |
| 3E | 3E3-E | 3E3-E-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 41.3 | 10 |
| 3E | 3E3-F | 3E3-F-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 125 | 10 |
| 3E | 3E3-F | 3E3-F-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.96 | 0.2 |
| 3E | 3E3-F | 3E3-F-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E3-F | 3E3-F-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 102 | 10 |
| 3E | 3E3-F | 3E3-F-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.34 | 0.2 |
| 3E | 3E3-F | 3E3-F-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 57.7 | 10 |
| 3E | 3E3-F | 3E3-F-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.65 | 0.2 |
| 3E | 3E3-F | 3E3-F-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.27 | |
| 3E | 3E3-G | 3E3-G-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 94.6 | 10 |
| 3E | 3E3-G | 3E3-G-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.32 | 0.2 |
| 3E | 3E3-G | 3E3-G-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 118 | 10 |
| 3E | 3E3-G | 3E3-G-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.55 | 0.2 |
| 3E | 3E3-G | 3E3-G-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E3-G | 3E3-G-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 300 | 10 |
| 3E | 3E3-G | 3E3-G-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.99 | 0.2 |
| 3E | 3E3-RW504AB | 3E3-RW504A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.3 | 10 |
| 3E | 3E3-RW504AB | 3E3-RW504A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.6 | 10 |
| 3E | 3E3-RW504AB | 3E3-RW504A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 24 | 10 |
| 3E | 3E3-RW504-B | 3E3-RW504-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 139 | 10 |
| 3E | 3E3-RW504-B | 3E3-RW504-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.95 | 0.2 |
| 3E | 3E3-RW504-B | 3E3-RW504-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.3 | 10 |
| 3E | 3E3-RW504-B | 3E3-RW504-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.9 | 10 |
| 3E | 3E3-RW504-C | 3E3-RW504-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.4 | 10 |
| 3E | 3E3-RW504-C | 3E3-RW504-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 77.8 | 10 |
| 3E | 3E3-RW504-C | 3E3-RW504-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.08 | 0.2 |
| 3E | 3E3-RW504-C | 3E3-RW504-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.89 | |
| 3E | 3E3-RW504-C | 3E3-RW504-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.4 | 10 |
| 3E | 3E3-RW504-D | 3E3-RW504-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.2 | 10 |
| 3E | 3E3-RW504-D | 3E3-RW504-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.2 | 10 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3E | 3E3-RW504-D | 3E3-RW504-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 25.4 | 10 |
| 3E | 3E3-RW510-A | 3E3-RW510-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 53.7 | 10 |
| 3E | 3E3-RW510-A | 3E3-RW510-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.3 | 0.2 |
| 3E | 3E3-RW510-A | 3E3-RW510-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 51.9 | 10 |
| 3E | 3E3-RW510-A | 3E3-RW510-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.56 | 0.2 |
| 3E | 3E3-RW510-A | 3E3-RW510-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 72.5 | 10 |
| 3E | 3E3-RW510-A | 3E3-RW510-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.91 | 0.2 |
| 3E | 3E3-RW510-A | 3E3-RW510-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.46 | |
| 3E | 3E3-RW510-A | 3E3-RW510-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 50.3 | 10 |
| 3E | 3E3-RW510-A | 3E3-RW510-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.72 | 0.2 |
| 3E | 3E3-RW510AB | 3E3-RW510A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 168 | 10 |
| 3E | 3E3-RW510AB | 3E3-RW510A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.05 | 0.2 |
| 3E | 3E3-RW510AB | 3E3-RW510A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.41 | 0.2 |
| 3E | 3E3-RW510AB | 3E3-RW510A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 128 | 10 |
| 3E | 3E3-RW510AB | 3E3-RW510A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.15 | 0.2 |
| 3E | 3E3-RW510AB | 3E3-RW510A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 77 | 10 |
| 3E | 3E3-RW510AB | 3E3-RW510A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.2 | 0.2 |
| 3E | 3E3-RW510-B | 3E3-RW510-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 72 | 10 |
| 3E | 3E3-RW510-B | 3E3-RW510-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.18 | 0.2 |
| 3E | 3E3-RW510-B | 3E3-RW510-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 58.2 | 10 |
| 3E | 3E3-RW510-B | 3E3-RW510-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.81 | 0.2 |
| 3E | 3E3-RW510-B | 3E3-RW510-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 49.1 | 10 |
| 3E | 3E3-RW510-B | 3E3-RW510-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 59.1 | 10 |
| 3E | 3E3-RW510-B | 3E3-RW510-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.82 | 0.2 |
| 3E | 3E3-RW510-C | 3E3-RW510-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 580 | 20 |
| 3E | 3E3-RW510-C | 3E3-RW510-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 24.3 | 2 |
| 3E | 3E3-RW510-C | 3E3-RW510-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.57 | 0.2 |
| 3E | 3E3-RW510-C | 3E3-RW510-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 72.5 | 10 |
| 3E | 3E3-RW510-C | 3E3-RW510-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.38 | 0.2 |
| 3E | 3E3-RW510-C | 3E3-RW510-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 57.3 | 10 |
| 3E | 3E3-RW510-C | 3E3-RW510-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.56 | 0.2 |
| 3E | 3E3-RW510-C | 3E3-RW510-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 26.1 | 10 |
| 3E | 3E3-RW98-A | 3E3-RW98-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 51.8 | 10 |
| 3E | 3E3-RW98-A | 3E3-RW98-A- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.96 | 0.2 |
| 3E | 3E3-RW98-A | 3E3-RW98-A- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.74 | |
| 3E | 3E3-RW98-A | 3E3-RW98-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 302 | 10 |
| 3E | 3E3-RW98-A | 3E3-RW98-A- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14.4 | 0.2 |
| 3E | 3E3-RW98-A | 3E3-RW98-A- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3E | 3E3-RW98-A | 3E3-RW98-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 61.7 | 10 |
| 3E | 3E3-RW98-A | 3E3-RW98-A- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.33 | 0.2 |
| 3W | 3W10-A | 3W10-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 23.1 | 10 |
| 3W | 3W10-RW595A | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 90.5 | 10 |
| 3W | 3W10-RW595A | 3W10-RW595 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.47 | 0.2 |
| 3W | 3W10-RW595A | 3W10-RW595 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W10-RW595A | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37.5 | 10 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W10-RW595- | 3W10-RW595 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.88 | |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 46.2 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 18.4 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.8 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37.6 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 42.9 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.2 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.7 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 60.6 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.07 | 0.2 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 23.2 | 10 |
| 3W | 3W10-RW595- | 3W10-RW595 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 27.2 | 10 |
| 3W | 3W11-A | 3W11-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 66.4 | 10 |
| 3W | 3W11-A | 3W11-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.67 | 0.2 |
| 3W | 3W11-A | 3W11-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 158 | 10 |
| 3W | 3W11-A | 3W11-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.04 | 0.2 |
| 3W | 3W11-A | 3W11-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W11-A | 3W11-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 159 | 10 |
| 3W | 3W11-A | 3W11-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.03 | 0.2 |
| 3W | 3W11-A | 3W11-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.26 | 0.2 |
| 3W | 3W11-RW59AI | 3W11-RW59A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 219 | 10 |
| 3W | 3W11-RW59AI | 3W11-RW59A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.7 | 2 |
| 3W | 3W11-RW59AI | 3W11-RW59A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W11-RW59AI | 3W11-RW59A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.4 | 10 |
| 3W | 3W11-RW59AI | 3W11-RW59A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.9 | 10 |
| 3W | 3W11-RW59-B | 3W11-RW59-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 614 | 20 |
| 3W | 3W11-RW59-B | 3W11-RW59-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 35.6 | 2 |
| 3W | 3W11-RW59-B | 3W11-RW59-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.28 | 0.2 |
| 3W | 3W11-RW59-B | 3W11-RW59-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W11-RW59-B | 3W11-RW59-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W11-RW59-B | 3W11-RW59-I | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.59 | |
| 3W | 3W11-RW59-B | 3W11-RW59-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 47.2 | 10 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 814 | 20 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 41.9 | 2 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 606 | 20 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 27.6 | 2 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 135 | 10 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.1 | 2 |
| 3W | 3W11-RW59-C | 3W11-RW59-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W11-RW59-D | 3W11-RW59-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 449 | 10 |
| 3W | 3W11-RW59-D | 3W11-RW59-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 21.3 | 2 |
| 3W | 3W11-RW59-D | 3W11-RW59-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W11-RW59-D | 3W11-RW59-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 510 | 20 |
| 3W | 3W11-RW59-D | 3W11-RW59-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 32.2 | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W11-RW59-D | 3W11-RW59-[ | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W11-RW59-D | 3W11-RW59-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.3 | 10 |
| 3W | 3W12-A | 3W12-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 853 | 20 |
| 3W | 3W12-A | 3W12-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 57.6 | 2 |
| 3W | 3W12-A | 3W12-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.64 | 0.2 |
| 3W | 3W12-A | 3W12-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 114 | 10 |
| 3W | 3W12-A | 3W12-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 22 | 2 |
| 3W | 3W12-A | 3W12-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.32 | 0.2 |
| 3W | 3W12-A | 3W12-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W13-A | 3W13-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 127 | 10 |
| 3W | 3W13-A | 3W13-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.55 | 0.2 |
| 3W | 3W13-A | 3W13-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W13-A | 3W13-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 35 | 10 |
| 3W | 3W13-A | 3W13-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11 | 10 |
| 3W | 3W1-A | 3W1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2560 | 10 |
| 3W | 3W1-A | 3W1-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.61 | |
| 3W | 3W1-A | 3W1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.3 | 10 |
| 3W | 3W1-A | 3W1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.1 | 10 |
| 3W | 3W1-RW535A[ | 3W1-RW535A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 398 | 10 |
| 3W | 3W1-RW535A[ | 3W1-RW535A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.75 | 0.2 |
| 3W | 3W1-RW535A[ | 3W1-RW535A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W1-RW535A[ | 3W1-RW535A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 65.9 | 10 |
| 3W | 3W1-RW535A[ | 3W1-RW535A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.19 | 0.2 |
| 3W | 3W1-RW535A[ | 3W1-RW535A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W1-RW535A[ | 3W1-RW535A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.7 | 10 |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 78.9 | 10 |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.17 | 0.2 |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.75 | |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 110 | 10 |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.83 | 0.2 |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 89.9 | 10 |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.58 | 0.2 |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 99.8 | 10 |
| 3W | 3W1-RW535-B | 3W1-RW535-[ | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.82 | 0.2 |
| 3W | 3W1-RW535-C | 3W1-RW535-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 423 | 10 |
| 3W | 3W1-RW535-C | 3W1-RW535-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.3 | 2 |
| 3W | 3W1-RW535-C | 3W1-RW535-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W1-RW535-C | 3W1-RW535-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.8 | 10 |
| 3W | 3W1-RW535-C | 3W1-RW535-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 22.5 | 10 |
| 3W | 3W1-RW535-C | 3W1-RW535-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W1-RW535-D | 3W1-RW535-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1120 | 100 |
| 3W | 3W1-RW535-D | 3W1-RW535-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 48.1 | 10 |
| 3W | 3W1-RW535-D | 3W1-RW535-[ | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.69 | |
| 3W | 3W1-RW535-D | 3W1-RW535-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 41.6 | 10 |
| 3W | 3W1-RW535-D | 3W1-RW535-[ | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 10.4 | 10 |
| 3W | 3W2-A | 3W2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 866 | 20 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W2-A | 3W2-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 70.7 | 2 |
| 3W | 3W2-A | 3W2-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.31 | 0.2 |
| 3W | 3W2-A | 3W2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W2-A | 3W2-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.25 | |
| 3W | 3W2-A | 3W2-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 433 | 10 |
| 3W | 3W2-A | 3W2-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 33.9 | 2 |
| 3W | 3W2-A | 3W2-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.44 | 0.2 |
| 3W | 3W2-B | 3W2-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 95.5 | 10 |
| 3W | 3W2-B | 3W2-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W2-B | 3W2-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 41.2 | 10 |
| 3W | 3W2-B | 3W2-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.7 | 10 |
| 3W | 3W3-A | 3W3-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 135 | 10 |
| 3W | 3W3-A | 3W3-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.19 | 0.2 |
| 3W | 3W3-A | 3W3-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W3-A | 3W3-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W3-A | 3W3-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W3-A | 3W3-A-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.36 | |
| 3W | 3W4-A | 3W4-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 83.8 | 10 |
| 3W | 3W4-A | 3W4-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.1 | 2 |
| 3W | 3W4-A | 3W4-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W4-A | 3W4-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.88 | |
| 3W | 3W4-A | 3W4-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W4-A | 3W4-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W5-A | 3W5-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 134 | 10 |
| 3W | 3W5-A | 3W5-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.68 | 0.2 |
| 3W | 3W5-A | 3W5-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W5-A | 3W5-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W5-A | 3W5-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W5-B | 3W5-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 10.4 | 10 |
| 3W | 3W5-B | 3W5-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W5-B | 3W5-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W5-C | 3W5-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 182 | 10 |
| 3W | 3W5-C | 3W5-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.74 | 0.2 |
| 3W | 3W5-C | 3W5-C-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.21 | 0.2 |
| 3W | 3W5-C | 3W5-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W5-C | 3W5-C-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.49 | |
| 3W | 3W5-C | 3W5-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W5-D | 3W5-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 40.9 | 10 |
| 3W | 3W5-D | 3W5-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21.1 | 10 |
| 3W | 3W5-D | 3W5-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21.4 | 10 |
| 3W | 3W6-A | 3W6-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 74.7 | 10 |
| 3W | 3W6-A | 3W6-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.77 | 0.2 |
| 3W | 3W6-A | 3W6-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.5 | 10 |
| 3W | 3W6-A | 3W6-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.8 | 10 |
| 3W | 3W6-B | 3W6-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 453 | 10 |
| 3W | 3W6-B | 3W6-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.8 | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W6-B | 3W6-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-B | 3W6-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 56.6 | 10 |
| 3W | 3W6-B | 3W6-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.14 | 0.2 |
| 3W | 3W6-B | 3W6-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 38.9 | 10 |
| 3W | 3W6-B | 3W6-B-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.27 | |
| 3W | 3W6-C | 3W6-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 603 | 20 |
| 3W | 3W6-C | 3W6-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 46.3 | 2 |
| 3W | 3W6-C | 3W6-C-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.36 | 0.2 |
| 3W | 3W6-C | 3W6-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 594 | 20 |
| 3W | 3W6-C | 3W6-C-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 40.7 | 2 |
| 3W | 3W6-C | 3W6-C-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.52 | 0.2 |
| 3W | 3W6-C | 3W6-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 318 | 10 |
| 3W | 3W6-C | 3W6-C-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.3 | 0.4 |
| 3W | 3W6-C | 3W6-C-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.46 | 0.2 |
| 3W | 3W6-RW547-A | 3W6-RW547-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 177 | 10 |
| 3W | 3W6-RW547-A | 3W6-RW547-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.97 | 0.2 |
| 3W | 3W6-RW547-A | 3W6-RW547-A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW547-A | 3W6-RW547-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.1 | 10 |
| 3W | 3W6-RW547-A | 3W6-RW547-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W6-RW547-A | 3W6-RW547-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.91 | |
| 3W | 3W6-RW547-A | 3W6-RW547-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W6-RW547AI | 3W6-RW547A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 140 | 10 |
| 3W | 3W6-RW547AI | 3W6-RW547A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.18 | 0.2 |
| 3W | 3W6-RW547AI | 3W6-RW547A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.41 | 0.2 |
| 3W | 3W6-RW547AI | 3W6-RW547A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 110 | 10 |
| 3W | 3W6-RW547AI | 3W6-RW547A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.69 | 0.2 |
| 3W | 3W6-RW547AI | 3W6-RW547A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 43.9 | 10 |
| 3W | 3W6-RW547AI | 3W6-RW547A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 32.1 | 10 |
| 3W | 3W6-RW547-B | 3W6-RW547-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 171 | 10 |
| 3W | 3W6-RW547-B | 3W6-RW547-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.5 | 0.4 |
| 3W | 3W6-RW547-B | 3W6-RW547-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.25 | 0.2 |
| 3W | 3W6-RW547-B | 3W6-RW547-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 83.3 | 10 |
| 3W | 3W6-RW547-B | 3W6-RW547-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.41 | 0.2 |
| 3W | 3W6-RW547-B | 3W6-RW547-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W6-RW547-B | 3W6-RW547-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 138 | 10 |
| 3W | 3W6-RW547-B | 3W6-RW547-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.43 | 0.2 |
| 3W | 3W6-RW547-C | 3W6-RW547-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 478 | 10 |
| 3W | 3W6-RW547-C | 3W6-RW547-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 21.7 | 2 |
| 3W | 3W6-RW547-C | 3W6-RW547-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW547-C | 3W6-RW547-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 86.5 | 10 |
| 3W | 3W6-RW547-C | 3W6-RW547-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.31 | 0.2 |
| 3W | 3W6-RW547-C | 3W6-RW547-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW547-C | 3W6-RW547-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W6-RW547-C | 3W6-RW547-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.75 | |
| 3W | 3W6-RW547-C | 3W6-RW547-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33.2 | 10 |
| 3W | 3W6-RW553AI | 3W6-RW553A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 727 | 20 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W6-RW553A | 3W6-RW553A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 50.2 | 2 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.4 | 0.2 |
| 3W | 3W6-RW553A | 3W6-RW553A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 665 | 20 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 44.6 | 2 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.61 | 0.2 |
| 3W | 3W6-RW553A | 3W6-RW553A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 203 | 10 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.3 | 2 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.47 | 0.2 |
| 3W | 3W6-RW553A | 3W6-RW553A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 643 | 20 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 44.5 | 2 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.57 | 0.2 |
| 3W | 3W6-RW553A | 3W6-RW553A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 505 | 10 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 42.8 | 2 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW553A | 3W6-RW553A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 251 | 10 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.9 | 2 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW553A | 3W6-RW553A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 119 | 10 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.58 | 0.2 |
| 3W | 3W6-RW553A | 3W6-RW553A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 245 | 10 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.6 | 0.4 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.23 | 0.2 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.4 | |
| 3W | 3W6-RW553-B | 3W6-RW553-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 152 | 10 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.97 | 0.2 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.25 | 0.2 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 150 | 10 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.62 | 0.2 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.2 | 0.2 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 119 | 10 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.55 | 0.2 |
| 3W | 3W6-RW553-B | 3W6-RW553-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.23 | 0.2 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 340 | 10 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 24.1 | 2 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 369 | 10 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 17.4 | 0.4 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 87.4 | 10 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.69 | 0.2 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.24 | 0.2 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.72 | |
| 3W | 3W6-RW553-C | 3W6-RW553-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 69.7 | 10 |
| 3W | 3W6-RW553-C | 3W6-RW553-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.06 | 0.2 |
| 3W | 3W6-RW557A | 3W6-RW557A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 388 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W6-RW557AI | 3W6-RW557A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 27.7 | 2 |
| 3W | 3W6-RW557AI | 3W6-RW557A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.39 | 0.2 |
| 3W | 3W6-RW557AI | 3W6-RW557A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 289 | 10 |
| 3W | 3W6-RW557AI | 3W6-RW557A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.3 | 0.2 |
| 3W | 3W6-RW557AI | 3W6-RW557A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.5 | 0.2 |
| 3W | 3W6-RW557AI | 3W6-RW557A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 148 | 10 |
| 3W | 3W6-RW557AI | 3W6-RW557A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.69 | 0.2 |
| 3W | 3W6-RW557AI | 3W6-RW557A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 137 | 10 |
| 3W | 3W6-RW557AI | 3W6-RW557A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.83 | 0.2 |
| 3W | 3W6-RW557-B | 3W6-RW557-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1050 | 50 |
| 3W | 3W6-RW557-B | 3W6-RW557-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 294 | 10 |
| 3W | 3W6-RW557-B | 3W6-RW557-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 23.7 | 2 |
| 3W | 3W6-RW557-B | 3W6-RW557-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.5 | 0.2 |
| 3W | 3W6-RW557-B | 3W6-RW557-I | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.64 | |
| 3W | 3W6-RW557-B | 3W6-RW557-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 151 | 10 |
| 3W | 3W6-RW557-B | 3W6-RW557-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.3 | 0.2 |
| 3W | 3W6-RW557-B | 3W6-RW557-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.44 | 0.2 |
| 3W | 3W6-RW557-C | 3W6-RW557-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 703 | 20 |
| 3W | 3W6-RW557-C | 3W6-RW557-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 52.4 | 2 |
| 3W | 3W6-RW557-C | 3W6-RW557-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW557-C | 3W6-RW557-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 14.2 | 10 |
| 3W | 3W6-RW557-C | 3W6-RW557-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.2 | 10 |
| 3W | 3W6-RW557-C | 3W6-RW557-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 57.7 | 10 |
| 3W | 3W6-RW557-C | 3W6-RW557-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.44 | 0.2 |
| 3W | 3W6-RW557-C | 3W6-RW557-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW557-D | 3W6-RW557-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 650 | 20 |
| 3W | 3W6-RW557-D | 3W6-RW557-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 41.8 | 2 |
| 3W | 3W6-RW557-D | 3W6-RW557-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | pending | pending |
| 3W | 3W6-RW557-D | 3W6-RW557-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 170 | 10 |
| 3W | 3W6-RW557-D | 3W6-RW557-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 17.1 | 0.4 |
| 3W | 3W6-RW557-D | 3W6-RW557-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W6-RW557-D | 3W6-RW557-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 140 | 10 |
| 3W | 3W6-RW557-D | 3W6-RW557-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.99 | 0.2 |
| 3W | 3W6-RW557-D | 3W6-RW557-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | pending | pending |
| 3W | 3W6-RW557-D | 3W6-RW557-I | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.34 | |
| 3W | 3W7-A | 3W7-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 87.7 | 10 |
| 3W | 3W7-A | 3W7-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.53 | 0.2 |
| 3W | 3W7-A | 3W7-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 32.7 | 10 |
| 3W | 3W7-A | 3W7-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.01 | |
| 3W | 3W7-A | 3W7-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 143 | 10 |
| 3W | 3W7-A | 3W7-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.91 | 0.2 |
| 3W | 3W7-B | 3W7-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 60.8 | 10 |
| 3W | 3W7-B | 3W7-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.76 | 0.2 |
| 3W | 3W7-C | 3W7-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 76.4 | 10 |
| 3W | 3W7-C | 3W7-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.07 | 0.2 |
| 3W | 3W7-C | 3W7-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 77.1 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W7-C | 3W7-C-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.89 | 0.2 |
| 3W | 3W7-D | 3W7-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 70.7 | 10 |
| 3W | 3W7-D | 3W7-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.96 | 0.2 |
| 3W | 3W7-D | 3W7-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 269 | 10 |
| 3W | 3W7-D | 3W7-D-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.1 | 0.2 |
| 3W | 3W7-D | 3W7-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 316 | 10 |
| 3W | 3W7-D | 3W7-D-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.77 | 0.2 |
| 3W | 3W7-E | 3W7-E-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 31.8 | 10 |
| 3W | 3W7-E | 3W7-E-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33.9 | 10 |
| 3W | 3W7-F | 3W7-F-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 179 | 10 |
| 3W | 3W7-F | 3W7-F-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.26 | 0.2 |
| 3W | 3W7-F | 3W7-F-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 55.9 | 10 |
| 3W | 3W7-F | 3W7-F-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.54 | 0.2 |
| 3W | 3W7-G | 3W7-G-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 176 | 10 |
| 3W | 3W7-G | 3W7-G-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.94 | 0.2 |
| 3W | 3W7-G | 3W7-G-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 82.9 | 10 |
| 3W | 3W7-G | 3W7-G-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.76 | 0.2 |
| 3W | 3W7-H | 3W7-H-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 162 | 10 |
| 3W | 3W7-H | 3W7-H-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.58 | 0.2 |
| 3W | 3W7-H | 3W7-H-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 83.5 | 10 |
| 3W | 3W7-H | 3W7-H-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.22 | 0.2 |
| 3W | 3W7-H | 3W7-H-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 126 | 10 |
| 3W | 3W7-H | 3W7-H-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.87 | 0.2 |
| 3W | 3W7-I | 3W7-I-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 66.9 | 10 |
| 3W | 3W7-I | 3W7-I-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.82 | 0.2 |
| 3W | 3W7-I | 3W7-I-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 58.1 | 10 |
| 3W | 3W7-I | 3W7-I-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.6 | 0.2 |
| 3W | 3W7-I | 3W7-I-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 47.2 | 10 |
| 3W | 3W7-J | 3W7-J-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 905 | 20 |
| 3W | 3W7-J | 3W7-J-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 57.6 | 2 |
| 3W | 3W7-J | 3W7-J-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.26 | 0.2 |
| 3W | 3W7-J | 3W7-J-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W7-J | 3W7-J-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W7-RW49-A | 3W7-RW49-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1320 | 50 |
| 3W | 3W7-RW49-A | 3W7-RW49-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.18 | |
| 3W | 3W7-RW49-A | 3W7-RW49-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 56.7 | 10 |
| 3W | 3W7-RW49-A | 3W7-RW49-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.17 | 0.2 |
| 3W | 3W7-RW49AB | 3W7-RW49AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W7-RW49AB | 3W7-RW49AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.8 | 10 |
| 3W | 3W7-RW49AB | 3W7-RW49AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W7-RW49-B | 3W7-RW49-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 191 | 10 |
| 3W | 3W7-RW49-B | 3W7-RW49-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.65 | 0.2 |
| 3W | 3W7-RW49-B | 3W7-RW49-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.21 | 0.2 |
| 3W | 3W7-RW49-B | 3W7-RW49-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.6 | 10 |
| 3W | 3W7-RW49-B | 3W7-RW49-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 252 | 10 |
| 3W | 3W7-RW49-B | 3W7-RW49-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14 | 0.4 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W7-RW49-B | 3W7-RW49-B- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW49-B | 3W7-RW49-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 46.3 | 10 |
| 3W | 3W7-RW49-C | 3W7-RW49-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 236 | 10 |
| 3W | 3W7-RW49-C | 3W7-RW49-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.6 | 0.4 |
| 3W | 3W7-RW49-C | 3W7-RW49-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW49-C | 3W7-RW49-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W7-RW567-A | 3W7-RW567-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 114 | 10 |
| 3W | 3W7-RW567-A | 3W7-RW567-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.49 | 0.2 |
| 3W | 3W7-RW567-A | 3W7-RW567-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.86 | |
| 3W | 3W7-RW567-A | 3W7-RW567-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 99.4 | 10 |
| 3W | 3W7-RW567-A | 3W7-RW567-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.5 | 0.2 |
| 3W | 3W7-RW567-A | 3W7-RW567-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.2 | 10 |
| 3W | 3W7-RW567-A | 3W7-RW567-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 60.3 | 10 |
| 3W | 3W7-RW567-A | 3W7-RW567-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.96 | 0.2 |
| 3W | 3W7-RW567AE | 3W7-RW567A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 108 | 10 |
| 3W | 3W7-RW567AE | 3W7-RW567A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 30.8 | 2 |
| 3W | 3W7-RW567AE | 3W7-RW567A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW567AE | 3W7-RW567A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W7-RW567-B | 3W7-RW567-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 49.1 | 10 |
| 3W | 3W7-RW567-B | 3W7-RW567-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 60.1 | 10 |
| 3W | 3W7-RW567-B | 3W7-RW567-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.54 | 0.2 |
| 3W | 3W7-RW567-B | 3W7-RW567-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 71.8 | 10 |
| 3W | 3W7-RW567-B | 3W7-RW567-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.64 | 0.2 |
| 3W | 3W7-RW567-B | 3W7-RW567-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 143 | 10 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.4 | 0.2 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 366 | 10 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20 | 2 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 97.7 | 10 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.64 | 0.2 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW567-C | 3W7-RW567-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.44 | |
| 3W | 3W7-RW571AE | 3W7-RW571A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 194 | 10 |
| 3W | 3W7-RW571AE | 3W7-RW571A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.19 | 0.2 |
| 3W | 3W7-RW571AE | 3W7-RW571A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW571AE | 3W7-RW571A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 186 | 10 |
| 3W | 3W7-RW571AE | 3W7-RW571A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.47 | 0.2 |
| 3W | 3W7-RW571AE | 3W7-RW571A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW571AE | 3W7-RW571A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 140 | 10 |
| 3W | 3W7-RW571AE | 3W7-RW571A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14.4 | 2 |
| 3W | 3W7-RW571AE | 3W7-RW571A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW571AE | 3W7-RW571A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 55 | 10 |
| 3W | 3W7-RW571AE | 3W7-RW571A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.57 | 0.2 |
| 3W | 3W7-RW571-B | 3W7-RW571-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 3000 | 100 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W7-RW571-B | 3W7-RW571-E | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.09 | |
| 3W | 3W7-RW571-B | 3W7-RW571-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 901 | 20 |
| 3W | 3W7-RW571-B | 3W7-RW571-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 79.4 | 2 |
| 3W | 3W7-RW571-B | 3W7-RW571-E | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.21 | 0.2 |
| 3W | 3W7-RW571-B | 3W7-RW571-E | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 316 | 10 |
| 3W | 3W7-RW571-B | 3W7-RW571-E | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 32.6 | 2 |
| 3W | 3W7-RW571-B | 3W7-RW571-E | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW571-C | 3W7-RW571-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.2 | 10 |
| 3W | 3W7-RW571-C | 3W7-RW571-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 3350 | 100 |
| 3W | 3W7-RW571-C | 3W7-RW571-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.91 | |
| 3W | 3W7-RW571-C | 3W7-RW571-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 616 | 20 |
| 3W | 3W7-RW571-C | 3W7-RW571-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 43.4 | 2 |
| 3W | 3W7-RW571-C | 3W7-RW571-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.37 | 0.2 |
| 3W | 3W7-RW571-C | 3W7-RW571-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 556 | 20 |
| 3W | 3W7-RW571-C | 3W7-RW571-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 45.8 | 2 |
| 3W | 3W7-RW571-C | 3W7-RW571-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.34 | 0.2 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 69.7 | 10 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.2 | 0.2 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 76.5 | 10 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.01 | 0.2 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 203 | 10 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14.8 | 0.4 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.23 | 0.2 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 163 | 10 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.3 | 0.4 |
| 3W | 3W7-RW571-D | 3W7-RW571-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW587-A | 3W7-RW587-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 17.2 | 10 |
| 3W | 3W7-RW587-A | 3W7-RW587-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.33 | |
| 3W | 3W7-RW587-A | 3W7-RW587-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 29.3 | 10 |
| 3W | 3W7-RW587-A | 3W7-RW587-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 22.2 | 10 |
| 3W | 3W7-RW587A | 3W7-RW587A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 224 | 10 |
| 3W | 3W7-RW587A | 3W7-RW587A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.8 | 0.4 |
| 3W | 3W7-RW587A | 3W7-RW587A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW587A | 3W7-RW587A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 173 | 10 |
| 3W | 3W7-RW587A | 3W7-RW587A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.8 | 0.4 |
| 3W | 3W7-RW587A | 3W7-RW587A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW587A | 3W7-RW587A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33 | 10 |
| 3W | 3W7-RW587A | 3W7-RW587A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.7 | 10 |
| 3W | 3W7-RW587-B | 3W7-RW587-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.7 | 10 |
| 3W | 3W7-RW587-B | 3W7-RW587-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.2 | 10 |
| 3W | 3W7-RW587-B | 3W7-RW587-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 32.8 | 10 |
| 3W | 3W7-RW587-C | 3W7-RW587-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 175 | 10 |
| 3W | 3W7-RW587-C | 3W7-RW587-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.1 | 0.4 |
| 3W | 3W7-RW587-C | 3W7-RW587-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W7-RW587-C | 3W7-RW587-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 207 | 10 |
| 3W | 3W7-RW587-C | 3W7-RW587-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.2 | 0.4 |
| 3W | 3W7-RW587-C | 3W7-RW587-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW587-C | 3W7-RW587-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 199 | 10 |
| 3W | 3W7-RW587-C | 3W7-RW587-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.82 | 0.2 |
| 3W | 3W7-RW587-C | 3W7-RW587-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW591A | 3W7-RW591A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 61.4 | 10 |
| 3W | 3W7-RW591A | 3W7-RW591A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.35 | 0.2 |
| 3W | 3W7-RW591A | 3W7-RW591A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W7-RW591-B | 3W7-RW591-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 208 | 10 |
| 3W | 3W7-RW591-B | 3W7-RW591-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13 | 0.4 |
| 3W | 3W7-RW591-B | 3W7-RW591-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW591-B | 3W7-RW591-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 202 | 10 |
| 3W | 3W7-RW591-B | 3W7-RW591-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 11.8 | 0.4 |
| 3W | 3W7-RW591-B | 3W7-RW591-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW591-B | 3W7-RW591-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2.6 | 10 |
| 3W | 3W7-RW591-B | 3W7-RW591-I | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.38 | |
| 3W | 3W7-RW591-C | 3W7-RW591-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 18 | 10 |
| 3W | 3W7-RW591-C | 3W7-RW591-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 127 | 10 |
| 3W | 3W7-RW591-C | 3W7-RW591-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.19 | 0.2 |
| 3W | 3W7-RW591-C | 3W7-RW591-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW591-C | 3W7-RW591-( | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 98.4 | 10 |
| 3W | 3W7-RW591-C | 3W7-RW591-( | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.08 | 0.2 |
| 3W | 3W7-RW591-C | 3W7-RW591-( | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW591-D | 3W7-RW591-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 184 | 10 |
| 3W | 3W7-RW591-D | 3W7-RW591-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 11.7 | 0.4 |
| 3W | 3W7-RW591-D | 3W7-RW591-I | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W7-RW591-D | 3W7-RW591-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 95.3 | 10 |
| 3W | 3W7-RW591-D | 3W7-RW591-I | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.8 | 0.2 |
| 3W | 3W7-RW591-D | 3W7-RW591-I | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 32.4 | 10 |
| 3W | 3W7-RW591-D | 3W7-RW591-I | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.85 | |
| 3W | 3W8-A | 3W8-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 159 | 10 |
| 3W | 3W8-A | 3W8-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.52 | 0.2 |
| 3W | 3W8-A | 3W8-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W8-A | 3W8-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.9 | |
| 3W | 3W8-A | 3W8-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 103 | 10 |
| 3W | 3W8-A | 3W8-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.57 | 0.2 |
| 3W | 3W8-A | 3W8-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.3 | 10 |
| 3W | 3W9-A | 3W9-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 151 | 10 |
| 3W | 3W9-A | 3W9-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.6 | 0.2 |
| 3W | 3W9-A | 3W9-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W9-A | 3W9-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 93.3 | 10 |
| 3W | 3W9-A | 3W9-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.13 | 0.2 |
| 3W | 3W9-A | 3W9-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W9-A | 3W9-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.79 | |
| 3W | 3W9-A | 3W9-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 158 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 3W | 3W9-A | 3W9-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14.3 | 0.4 |
| 3W | 3W9-A | 3W9-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W9-B | 3W9-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 965 | 100 |
| 3W | 3W9-B | 3W9-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 134 | 4 |
| 3W | 3W9-B | 3W9-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 3W | 3W9-B | 3W9-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 3W | 3W9-B | 3W9-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21.1 | 10 |
| 4E | 4E1-A | 4E1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 39.6 | 10 |
| 4E | 4E1-A | 4E1-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.38 | |
| 4E | 4E1-A | 4E1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 114 | 10 |
| 4E | 4E1-A | 4E1-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.77 | 0.2 |
| 4E | 4E1-A | 4E1-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 4E | 4E1-A | 4E1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 97.4 | 10 |
| 4E | 4E1-A | 4E1-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.64 | 0.2 |
| 4E | 4E1-B | 4E1-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 98.3 | 10 |
| 4E | 4E1-B | 4E1-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.8 | 0.2 |
| 4E | 4E1-B | 4E1-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 147 | 10 |
| 4E | 4E1-B | 4E1-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.63 | 0.2 |
| 4E | 4E1-B | 4E1-B-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 4E | 4E1-B | 4E1-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 63.3 | 10 |
| 4E | 4E1-B | 4E1-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.17 | 0.2 |
| 4E | 4E1-B | 4E1-B-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 4E | 4E1-C | 4E1-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 46 | 10 |
| 4E | 4E1-C | 4E1-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 29 | 10 |
| 4E | 4E1-C | 4E1-C-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.12 | |
| 4E | 4E1-C | 4E1-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 89.4 | 10 |
| 4E | 4E1-C | 4E1-C-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.95 | 0.2 |
| 4E | 4E1-D | 4E1-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 189 | 10 |
| 4E | 4E1-D | 4E1-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.58 | 0.2 |
| 4E | 4E1-D | 4E1-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 31.4 | 10 |
| 4E | 4E1-D | 4E1-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 56.2 | 10 |
| 4E | 4E1-D | 4E1-D-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.47 | 0.2 |
| 4E | 4E1-RW20-A | 4E1-RW20-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-A | 4E1-RW20-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-A | 4E1-RW20-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-A | 4E1-RW20-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-B | 4E1-RW20-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 27 | 10 |
| 4E | 4E1-RW20-B | 4E1-RW20-B- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.95 | |
| 4E | 4E1-RW20-B | 4E1-RW20-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.7 | 10 |
| 4E | 4E1-RW20-B | 4E1-RW20-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-B | 4E1-RW20-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-C | 4E1-RW20-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-C | 4E1-RW20-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-C | 4E1-RW20-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-C | 4E1-RW20-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-D | 4E1-RW20-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 35.4 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 4E | 4E1-RW20-D | 4E1-RW20-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW20-D | 4E1-RW20-D- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.9 | |
| 4E | 4E1-RW20-D | 4E1-RW20-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.3 | 10 |
| 4E | 4E1-RW20-D | 4E1-RW20-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW516AB | 4E1-RW516A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 36.9 | 10 |
| 4E | 4E1-RW516AB | 4E1-RW516A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW516AB | 4E1-RW516A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.8 | 10 |
| 4E | 4E1-RW516-B | 4E1-RW516-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.9 | 10 |
| 4E | 4E1-RW516-B | 4E1-RW516-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 32.8 | 10 |
| 4E | 4E1-RW516-B | 4E1-RW516-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 83.5 | 10 |
| 4E | 4E1-RW516-B | 4E1-RW516-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.39 | 0.2 |
| 4E | 4E1-RW516-B | 4E1-RW516-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.46 | 0.2 |
| 4E | 4E1-RW516-C | 4E1-RW516-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E1-RW516-C | 4E1-RW516-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.9 | |
| 4E | 4E1-RW516-C | 4E1-RW516-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 52.7 | 10 |
| 4E | 4E1-RW516-C | 4E1-RW516-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.45 | 0.2 |
| 4E | 4E1-RW516-C | 4E1-RW516-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 179 | 10 |
| 4E | 4E1-RW516-C | 4E1-RW516-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.4 | 0.2 |
| 4E | 4E1-RW516-C | 4E1-RW516-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.64 | 0.2 |
| 4E | 4E1-RW516-C | 4E1-RW516-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.2 | 10 |
| 4E | 4E1-RW516-D | 4E1-RW516-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 40.5 | 10 |
| 4E | 4E1-RW516-D | 4E1-RW516-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.7 | 10 |
| 4E | 4E1-RW516-D | 4E1-RW516-D | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.41 | |
| 4E | 4E1-RW516-D | 4E1-RW516-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 27.9 | 10 |
| 4E | 4E1-RW516-D | 4E1-RW516-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E2-A | 4E2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 579 | 20 |
| 4E | 4E2-A | 4E2-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 35.9 | 2 |
| 4E | 4E2-A | 4E2-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.2 | 0.2 |
| 4E | 4E2-A | 4E2-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.9 | |
| 4E | 4E2-A | 4E2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E2-A | 4E2-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E2-B | 4E2-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 162 | 10 |
| 4E | 4E2-B | 4E2-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.09 | 0.2 |
| 4E | 4E2-B | 4E2-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.32 | 0.2 |
| 4E | 4E2-B | 4E2-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E2-B | 4E2-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E2-C | 4E2-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 62 | 10 |
| 4E | 4E2-C | 4E2-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.03 | 0.2 |
| 4E | 4E2-C | 4E2-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 22.8 | 10 |
| 4E | 4E2-C | 4E2-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.8 | 10 |
| 4E | 4E2-D | 4E2-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 234 | 10 |
| 4E | 4E2-D | 4E2-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.63 | 0.2 |
| 4E | 4E2-D | 4E2-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 50.2 | 10 |
| 4E | 4E2-D | 4E2-D-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.82 | 0.2 |
| 4E | 4E2-D | 4E2-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 23.3 | 10 |
| 4E | 4E2-E | 4E2-E-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 569 | 20 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4E | 4E2-E | 4E2-E-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 11.1 | 2 |
| 4E | 4E2-E | 4E2-E-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 4E | 4E2-E | 4E2-E-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 43.9 | 10 |
| 4E | 4E2-E | 4E2-E-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 58.7 | 10 |
| 4E | 4E2-E | 4E2-E-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.15 | 0.2 |
| 4E | 4E2-F | 4E2-F-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1580 | 100 |
| 4E | 4E2-F | 4E2-F-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37 | 10 |
| 4E | 4E2-F | 4E2-F-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E2-F | 4E2-F-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.47 | |
| 4E | 4E2-RW524-B | 4E2-RW524-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 40.8 | 10 |
| 4E | 4E2-RW524-B | 4E2-RW524-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.86 | |
| 4E | 4E2-RW524-B | 4E2-RW524-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 22.6 | 10 |
| 4E | 4E2-RW524-B | 4E2-RW524-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37.2 | 10 |
| 4E | 4E2-RW524-B | 4E2-RW524-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 48.3 | 10 |
| 4E | 4E2-RW524-C | 4E2-RW524-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33.1 | 10 |
| 4E | 4E2-RW524-C | 4E2-RW524-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 46.3 | 10 |
| 4E | 4E2-RW524-C | 4E2-RW524-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 39 | 10 |
| 4E | 4E2-RW524-C | 4E2-RW524-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.4 | 10 |
| 4E | 4E2-RW524-D | 4E2-RW524-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 431 | 10 |
| 4E | 4E2-RW524-D | 4E2-RW524-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20.4 | 2 |
| 4E | 4E2-RW524-D | 4E2-RW524-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 4E | 4E2-RW524-D | 4E2-RW524-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 45.5 | 10 |
| 4E | 4E2-RW524-D | 4E2-RW524-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 4E | 4E2-RW524-D | 4E2-RW524-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 63.5 | 10 |
| 4E | 4E2-RW524-D | 4E2-RW524-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.03 | 0.2 |
| 4E | 4E2-RW524-D | 4E2-RW524-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 5E | 5E1-A | 5E1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 90.4 | 10 |
| 5E | 5E1-A | 5E1-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 24.6 | 2 |
| 5E | 5E1-A | 5E1-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 5E | 5E1-A | 5E1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2600 | 100 |
| 5E | 5E1-A | 5E1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 54.5 | 10 |
| 5E | 5E1-A | 5E1-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.23 | 0.2 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 456 | 10 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.5 | 2 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.52 | |
| 5E | 5E1-RW530AB | 5E1-RW530AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 134 | 10 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 12 | 2 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 115 | 10 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.83 | 0.2 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.27 | |
| 5E | 5E1-RW530AB | 5E1-RW530AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E1-RW530AB | 5E1-RW530AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E1-RW530-B | 5E1-RW530-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1140 | 100 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5E | 5E1-RW530-B | 5E1-RW530-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1100 | 100 |
| 5E | 5E1-RW530-B | 5E1-RW530-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.95 | |
| 5E | 5E1-RW530-B | 5E1-RW530-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 251 | 10 |
| 5E | 5E1-RW530-B | 5E1-RW530-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 17 | 2 |
| 5E | 5E1-RW530-B | 5E1-RW530-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.32 | 0.2 |
| 5E | 5E1-RW530-C | 5E1-RW530-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 808 | 20 |
| 5E | 5E1-RW530-C | 5E1-RW530-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 42.9 | 2 |
| 5E | 5E1-RW530-C | 5E1-RW530-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 5E | 5E1-RW530-C | 5E1-RW530-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21 | 10 |
| 5E | 5E1-RW530-C | 5E1-RW530-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E1-RW530-C | 5E1-RW530-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.49 | |
| 5E | 5E2-A | 5E2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 363 | 10 |
| 5E | 5E2-A | 5E2-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.87 | 0.2 |
| 5E | 5E2-A | 5E2-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.25 | 0.2 |
| 5E | 5E2-A | 5E2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 149 | 10 |
| 5E | 5E2-A | 5E2-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.44 | 0.2 |
| 5E | 5E2-A | 5E2-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.6 | 10 |
| 5E | 5E2-B | 5E2-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 70.7 | 10 |
| 5E | 5E2-B | 5E2-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.42 | 0.2 |
| 5E | 5E2-B | 5E2-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E2-B | 5E2-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E2-C | 5E2-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 4020 | 100 |
| 5E | 5E2-C | 5E2-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 100 | 10 |
| 5E | 5E2-C | 5E2-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 83.2 | 10 |
| 5E | 5E2-C | 5E2-C-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.69 | 0.2 |
| 5E | 5E3-A | 5E3-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.9 | 10 |
| 5E | 5E3-A | 5E3-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.6 | 10 |
| 5E | 5E3-A | 5E3-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E4-A | 5E4-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.5 | 10 |
| 5E | 5E4-A | 5E4-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 35.2 | 10 |
| 5E | 5E4-B | 5E4-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 225 | 10 |
| 5E | 5E4-B | 5E4-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 11.7 | 2 |
| 5E | 5E4-B | 5E4-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 5E | 5E4-B | 5E4-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21.9 | 10 |
| 5E | 5E4-B | 5E4-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 24.3 | 10 |
| 5E | 5E5-A | 5E5-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 543 | 20 |
| 5E | 5E5-A | 5E5-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 16.4 | 2 |
| 5E | 5E5-A | 5E5-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.36 | 0.2 |
| 5E | 5E5-A | 5E5-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 9.93 | 10 |
| 5E | 5E5-A | 5E5-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 89.2 | 10 |
| 5E | 5E5-A | 5E5-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.14 | 0.2 |
| 5E | 5E5-A | 5E5-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 5E | 5E5-B | 5E5-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 17.6 | 10 |
| 5E | 5E5-B | 5E5-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E5-B | 5E5-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 5E | 5E5-C | 5E5-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5E | 5E5-C | 5E5-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 75 | 10 |
| 5E | 5E5-C | 5E5-C-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.57 | 0.2 |
| 5E | 5E5-C | 5E5-C-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.32 | 0.2 |
| 5E | 5E5-C | 5E5-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 6E | 6E1-A | 6E1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 78.6 | 10 |
| 6E | 6E1-A | 6E1-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 22.1 | 1 |
| 6E | 6E1-A | 6E1-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 6E | 6E1-A | 6E1-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.44 | |
| 6E | 6E1-A | 6E1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37.9 | 10 |
| 6E | 6E1-A | 6E1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 28.4 | 10 |
| 6E | 6E1-B | 6E1-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2060 | 100 |
| 6E | 6E1-B | 6E1-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1930 | 100 |
| 6E | 6E1-B | 6E1-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1450 | 100 |
| 6E | 6E1-C | 6E1-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 884 | 20 |
| 6E | 6E1-C | 6E1-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 48.6 | 2 |
| 6E | 6E1-C | 6E1-C-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.17 | 0.2 |
| 6E | 6E1-C | 6E1-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 75.4 | 10 |
| 6E | 6E1-C | 6E1-C-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 26.6 | 2 |
| 6E | 6E1-C | 6E1-C-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 6E | 6E1-C | 6E1-C-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.93 | |
| 6E | 6E1-C | 6E1-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 6E | 6E1-D | 6E1-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 410 | 10 |
| 6E | 6E1-D | 6E1-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 17.4 | 2 |
| 6E | 6E1-D | 6E1-D-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.22 | 0.2 |
| 6E | 6E1-D | 6E1-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 335 | 10 |
| 6E | 6E1-D | 6E1-D-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.2 | 0.2 |
| 6E | 6E1-D | 6E1-D-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.31 | 0.2 |
| 6E | 6E1-D | 6E1-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 29.9 | 10 |
| 6E | 6E1-E | 6E1-E-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 60.5 | 10 |
| 6E | 6E1-E | 6E1-E-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.56 | 0.2 |
| 6E | 6E1-E | 6E1-E-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 97.7 | 10 |
| 6E | 6E1-E | 6E1-E-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.22 | 0.2 |
| 6E | 6E1-E | 6E1-E-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 95.3 | 10 |
| 6E | 6E1-E | 6E1-E-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.92 | 0.2 |
| 6E | 6E1-E | 6E1-E-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.13 | |
| 6E | 6E1-F | 6E1-F-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 78.3 | 10 |
| 6E | 6E1-F | 6E1-F-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.2 | 0.2 |
| 6E | 6E1-F | 6E1-F-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 73.4 | 10 |
| 6E | 6E1-F | 6E1-F-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.76 | 0.2 |
| 6E | 6E1-F | 6E1-F-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 81.1 | 10 |
| 6E | 6E1-F | 6E1-F-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.54 | 0.2 |
| 6E | 6E1-G | 6E1-G-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 44.5 | 10 |
| 6E | 6E1-G | 6E1-G-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 73.4 | 10 |
| 6E | 6E1-G | 6E1-G-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.39 | 0.2 |
| 6E | 6E1-G | 6E1-G-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 45.5 | 10 |
| 6E | 6E1-H | 6E1-H-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 27.4 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6E | 6E1-H | 6E1-H-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 69.2 | 10 |
| 6E | 6E1-H | 6E1-H-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.43 | 0.2 |
| 6E | 6E1-H | 6E1-H-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 108 | 10 |
| 6E | 6E1-H | 6E1-H-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.72 | 0.2 |
| 6E | 6E1-I | 6E1-I-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 39.8 | 10 |
| 6E | 6E1-I | 6E1-I-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.6 | 10 |
| 6E | 6E1-I | 6E1-I-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.3 | 10 |
| 6E | 6E1-J | 6E1-J-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33.6 | 10 |
| 6E | 6E1-J | 6E1-J-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.47 | |
| 6E | 6E1-J | 6E1-J-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 62 | 10 |
| 6E | 6E1-J | 6E1-J-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.45 | 0.2 |
| 6E | 6E1-J | 6E1-J-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 107 | 10 |
| 6E | 6E1-J | 6E1-J-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.14 | 0.2 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 249 | 10 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.6 | 1 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 363 | 10 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 19.1 | 1 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.21 | 0.2 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 247 | 10 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 19 | 0.4 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.34 | 0.2 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 363 | 10 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 25 | 1 |
| 6E | 6E1-RW544AB | 6E1-RW544AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.23 | 0.2 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 603 | 20 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 39 | 1 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.36 | 0.2 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.88 | |
| 6E | 6E1-RW544-B | 6E1-RW544-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 854 | 20 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 45.5 | 1 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.32 | 0.2 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 177 | 10 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 11.9 | 0.4 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.27 | 0.2 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 120 | 10 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.7 | 0.2 |
| 6E | 6E1-RW544-B | 6E1-RW544-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 6E | 6E1-RW544-C | 6E1-RW544-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 307 | 10 |
| 6E | 6E1-RW544-C | 6E1-RW544-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.6 | 2 |
| 6E | 6E1-RW544-C | 6E1-RW544-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 6E | 6E1-RW544-C | 6E1-RW544-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 270 | 10 |
| 6E | 6E1-RW544-C | 6E1-RW544-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 11.1 | 2 |
| 6E | 6E1-RW544-C | 6E1-RW544-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 6E | 6E1-RW544-C | 6E1-RW544-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 6E | 6E1-RW544-C | 6E1-RW544-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.07 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6E | 6E1-RW544-D | 6E1-RW544-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 367 | 10 |
| 6E | 6E1-RW544-D | 6E1-RW544-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 13.1 | 2 |
| 6E | 6E1-RW544-D | 6E1-RW544-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.26 | 0.2 |
| 6E | 6E1-RW544-D | 6E1-RW544-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 75.1 | 10 |
| 6E | 6E1-RW544-D | 6E1-RW544-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.18 | 0.2 |
| 6E | 6E1-RW544-D | 6E1-RW544-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.31 | 0.2 |
| 6E | 6E1-RW544-D | 6E1-RW544-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 10.4 | 10 |
| 6E | 6E1-RW552-A | 6E1-RW552-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 42.5 | 10 |
| 6E | 6E1-RW552-A | 6E1-RW552-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 65.6 | 10 |
| 6E | 6E1-RW552-A | 6E1-RW552-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.31 | 0.2 |
| 6E | 6E1-RW552-A | 6E1-RW552-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.79 | |
| 6E | 6E1-RW552-A | 6E1-RW552-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 101 | 10 |
| 6E | 6E1-RW552-A | 6E1-RW552-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.09 | 0.2 |
| 6E | 6E1-RW552-A | 6E1-RW552-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 41.8 | 10 |
| 6E | 6E1-RW552-B | 6E1-RW552-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 47.3 | 10 |
| 6E | 6E1-RW552-B | 6E1-RW552-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 45.2 | 10 |
| 6E | 6E1-RW552-B | 6E1-RW552-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.1 | 10 |
| 6E | 6E1-RW552-B | 6E1-RW552-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37.4 | 10 |
| 6E | 6E1-RW552-C | 6E1-RW552-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 120 | 10 |
| 6E | 6E1-RW552-C | 6E1-RW552-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.87 | 0.2 |
| 6E | 6E1-RW552-C | 6E1-RW552-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.45 | 0.2 |
| 6E | 6E1-RW552-C | 6E1-RW552-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33.2 | 10 |
| 6E | 6E1-RW552-C | 6E1-RW552-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12 | 10 |
| 6E | 6E1-RW552-C | 6E1-RW552-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.75 | |
| 6E | 6E1-RW552-C | 6E1-RW552-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.3 | 10 |
| 6E | 6E1-RW552-D | 6E1-RW552-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 433 | 10 |
| 6E | 6E1-RW552-D | 6E1-RW552-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15 | 2 |
| 6E | 6E1-RW552-D | 6E1-RW552-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.6 | 0.2 |
| 6E | 6E1-RW552-D | 6E1-RW552-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 23.7 | 10 |
| 6E | 6E1-RW552-D | 6E1-RW552-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 6E | 6E1-RW552-D | 6E1-RW552-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 27.9 | 10 |
| 7E | 7E1-A | 7E1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 80.8 | 10 |
| 7E | 7E1-A | 7E1-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.46 | 0.2 |
| 7E | 7E1-A | 7E1-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E1-A | 7E1-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.25 | |
| 7E | 7E1-A | 7E1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 183 | 10 |
| 7E | 7E1-A | 7E1-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.4 | 2 |
| 7E | 7E1-A | 7E1-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.26 | 0.2 |
| 7E | 7E1-A | 7E1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 49.4 | 10 |
| 7E | 7E1-RW556AB | 7E1-RW556AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 83 | 10 |
| 7E | 7E1-RW556AB | 7E1-RW556AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.84 | 0.2 |
| 7E | 7E1-RW556AB | 7E1-RW556AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 59.4 | 10 |
| 7E | 7E1-RW556AB | 7E1-RW556AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.09 | 0.2 |
| 7E | 7E1-RW556AB | 7E1-RW556AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 49.4 | 10 |
| 7E | 7E1-RW556AB | 7E1-RW556AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 40.6 | 10 |
| 7E | 7E1-RW556-B | 7E1-RW556-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 68.4 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7E | 7E1-RW556-B | 7E1-RW556-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.21 | 0.2 |
| 7E | 7E1-RW556-B | 7E1-RW556-B | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.54 | |
| 7E | 7E1-RW556-B | 7E1-RW556-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 54.8 | 10 |
| 7E | 7E1-RW556-B | 7E1-RW556-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.98 | 0.2 |
| 7E | 7E1-RW556-B | 7E1-RW556-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 41 | 10 |
| 7E | 7E1-RW556-B | 7E1-RW556-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 22.3 | 10 |
| 7E | 7E1-RW556-C | 7E1-RW556-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 67.9 | 10 |
| 7E | 7E1-RW556-C | 7E1-RW556-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.49 | 0.2 |
| 7E | 7E1-RW556-C | 7E1-RW556-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 111 | 10 |
| 7E | 7E1-RW556-C | 7E1-RW556-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.18 | 0.2 |
| 7E | 7E1-RW556-C | 7E1-RW556-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 23.9 | 10 |
| 7E | 7E1-RW556-C | 7E1-RW556-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E1-RW556-D | 7E1-RW556-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 93.6 | 10 |
| 7E | 7E1-RW556-D | 7E1-RW556-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.62 | 0.2 |
| 7E | 7E1-RW556-D | 7E1-RW556-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E1-RW556-D | 7E1-RW556-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 115 | 10 |
| 7E | 7E1-RW556-D | 7E1-RW556-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.84 | 0.2 |
| 7E | 7E1-RW556-D | 7E1-RW556-D | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.32 | |
| 7E | 7E1-RW556-D | 7E1-RW556-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E1-RW556-D | 7E1-RW556-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.3 | 10 |
| 7E | 7E1-SW560AB | 7E1-SW560AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E1-SW560AB | 7E1-SW560AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E1-SW560AB | 7E1-SW560AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E1-SW560AB | 7E1-SW560AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E1-SW560-B | 7E1-SW560-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 50.7 | 10 |
| 7E | 7E1-SW560-B | 7E1-SW560-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.01 | 0.2 |
| 7E | 7E1-SW560-B | 7E1-SW560-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12.8 | 10 |
| 7E | 7E1-SW560-B | 7E1-SW560-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 12 | 10 |
| 7E | 7E1-SW560-B | 7E1-SW560-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.4 | 10 |
| 7E | 7E1-SW560-C | 7E1-SW560-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 803 | 20 |
| 7E | 7E1-SW560-C | 7E1-SW560-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 23.7 | 2 |
| 7E | 7E1-SW560-C | 7E1-SW560-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.46 | 0.2 |
| 7E | 7E1-SW560-C | 7E1-SW560-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.6 | 10 |
| 7E | 7E1-SW560-C | 7E1-SW560-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.9 | 10 |
| 7E | 7E1-SW560-C | 7E1-SW560-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.25 | |
| 7E | 7E1-SW560-C | 7E1-SW560-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.7 | 10 |
| 7E | 7E1-SW560-D | 7E1-SW560-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E1-SW560-D | 7E1-SW560-D | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.2 | |
| 7E | 7E1-SW560-D | 7E1-SW560-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E1-SW560-D | 7E1-SW560-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E2-A | 7E2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 421 | 10 |
| 7E | 7E2-A | 7E2-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.26 | 0.2 |
| 7E | 7E2-A | 7E2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E2-A | 7E2-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.73 | |
| 7E | 7E2-A | 7E2-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 16.6 | 10 |
| 7E | 7E3-A | 7E3-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 306 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7E | 7E3-A | 7E3-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 12.8 | 2 |
| 7E | 7E3-A | 7E3-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-A | 7E3-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 169 | 10 |
| 7E | 7E3-A | 7E3-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.45 | 0.2 |
| 7E | 7E3-A | 7E3-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-A | 7E3-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 11.6 | 10 |
| 7E | 7E3-A | 7E3-A-2 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.16 | |
| 7E | 7E3-B | 7E3-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.8 | 10 |
| 7E | 7E3-B | 7E3-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 328 | 10 |
| 7E | 7E3-B | 7E3-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.39 | 0.2 |
| 7E | 7E3-B | 7E3-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 67.2 | 10 |
| 7E | 7E3-B | 7E3-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.26 | 0.2 |
| 7E | 7E3-C | 7E3-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.6 | 10 |
| 7E | 7E3-C | 7E3-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 88.2 | 10 |
| 7E | 7E3-C | 7E3-C-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.05 | 0.2 |
| 7E | 7E3-C | 7E3-C-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-C | 7E3-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 100 | 10 |
| 7E | 7E3-C | 7E3-C-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.55 | 0.2 |
| 7E | 7E3-D | 7E3-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33.8 | 10 |
| 7E | 7E3-E | 7E3-E-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 72.1 | 10 |
| 7E | 7E3-E | 7E3-E-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.47 | 0.2 |
| 7E | 7E3-F | 7E3-F-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 34.2 | 10 |
| 7E | 7E3-F | 7E3-F-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.36 | |
| 7E | 7E3-G | 7E3-G-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 30.3 | 10 |
| 7E | 7E3-H | 7E3-H-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 20.7 | 10 |
| 7E | 7E3-RW570AB | 7E3-RW570AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 76.9 | 10 |
| 7E | 7E3-RW570AB | 7E3-RW570AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.11 | 0.2 |
| 7E | 7E3-RW570AB | 7E3-RW570AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 41.7 | 10 |
| 7E | 7E3-RW570AB | 7E3-RW570AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 57.8 | 10 |
| 7E | 7E3-RW570AB | 7E3-RW570AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.95 | 0.2 |
| 7E | 7E3-RW570-B | 7E3-RW570-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 42.8 | 10 |
| 7E | 7E3-RW570-B | 7E3-RW570-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 89.6 | 10 |
| 7E | 7E3-RW570-B | 7E3-RW570-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.32 | 0.2 |
| 7E | 7E3-RW570-B | 7E3-RW570-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 84.5 | 10 |
| 7E | 7E3-RW570-B | 7E3-RW570-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.7 | 0.2 |
| 7E | 7E3-RW570-C | 7E3-RW570-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 38.3 | 10 |
| 7E | 7E3-RW570-C | 7E3-RW570-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 62.4 | 10 |
| 7E | 7E3-RW570-C | 7E3-RW570-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.34 | 0.2 |
| 7E | 7E3-RW570-C | 7E3-RW570-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 66 | 10 |
| 7E | 7E3-RW570-C | 7E3-RW570-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.06 | 0.2 |
| 7E | 7E3-RW570-D | 7E3-RW570-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 67.9 | 10 |
| 7E | 7E3-RW570-D | 7E3-RW570-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.69 | 0.2 |
| 7E | 7E3-RW570-D | 7E3-RW570-D | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.76 | |
| 7E | 7E3-RW570-D | 7E3-RW570-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 66.4 | 10 |
| 7E | 7E3-RW570-D | 7E3-RW570-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.72 | 0.2 |
| 7E | 7E3-RW570-D | 7E3-RW570-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 49.7 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7E | 7E3-RW586-A | 7E3-RW586-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 620 | 20 |
| 7E | 7E3-RW586-A | 7E3-RW586-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 34.9 | 2 |
| 7E | 7E3-RW586-A | 7E3-RW586-A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.39 | 0.2 |
| 7E | 7E3-RW586-A | 7E3-RW586-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 32.1 | 10 |
| 7E | 7E3-RW586-A | 7E3-RW586-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 17.8 | 10 |
| 7E | 7E3-RW586-A | 7E3-RW586-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.22 | |
| 7E | 7E3-RW586-A | 7E3-RW586-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 26 | 10 |
| 7E | 7E3-RW586AB | 7E3-RW586AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 144 | 10 |
| 7E | 7E3-RW586AB | 7E3-RW586AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.23 | 0.2 |
| 7E | 7E3-RW586AB | 7E3-RW586AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.3 | 0.2 |
| 7E | 7E3-RW586AB | 7E3-RW586AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 57.8 | 10 |
| 7E | 7E3-RW586AB | 7E3-RW586AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW586AB | 7E3-RW586AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 29.5 | 10 |
| 7E | 7E3-RW586AB | 7E3-RW586AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 448 | 10 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 18.2 | 0.2 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 559 | 20 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 22.3 | 2 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.4 | 0.2 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 111 | 10 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.97 | 0.2 |
| 7E | 7E3-RW586-B | 7E3-RW586-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 39.9 | 10 |
| 7E | 7E3-RW586-C | 7E3-RW586-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 389 | 10 |
| 7E | 7E3-RW586-C | 7E3-RW586-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 15.9 | 0.2 |
| 7E | 7E3-RW586-C | 7E3-RW586-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.4 | 0.2 |
| 7E | 7E3-RW586-C | 7E3-RW586-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 60 | 10 |
| 7E | 7E3-RW586-C | 7E3-RW586-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.03 | 0.2 |
| 7E | 7E3-RW586-C | 7E3-RW586-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.2 | 0.2 |
| 7E | 7E3-RW586-C | 7E3-RW586-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.46 | |
| 7E | 7E3-RW586-C | 7E3-RW586-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 19.8 | 10 |
| 7E | 7E3-RW586-C | 7E3-RW586-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 21.7 | 10 |
| 7E | 7E3-RW68-A | 7E3-RW68-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 234 | 10 |
| 7E | 7E3-RW68-A | 7E3-RW68-A- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.1 | 0.2 |
| 7E | 7E3-RW68-A | 7E3-RW68-A- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW68-A | 7E3-RW68-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 78.9 | 10 |
| 7E | 7E3-RW68-A | 7E3-RW68-A- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.49 | 0.2 |
| 7E | 7E3-RW68-A | 7E3-RW68-A- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW68-A | 7E3-RW68-A- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.22 | |
| 7E | 7E3-RW68ABT | 7E3-RW68AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 568 | 20 |
| 7E | 7E3-RW68ABT | 7E3-RW68AB | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 28 | 2 |
| 7E | 7E3-RW68ABT | 7E3-RW68AB | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW68ABT | 7E3-RW68AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 175 | 10 |
| 7E | 7E3-RW68ABT | 7E3-RW68AB | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.61 | 0.2 |
| 7E | 7E3-RW68ABT | 7E3-RW68AB | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW68-B | 7E3-RW68-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 665 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7E | 7E3-RW68-B | 7E3-RW68-B- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 47.7 | 2 |
| 7E | 7E3-RW68-B | 7E3-RW68-B- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW68-B | 7E3-RW68-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 245 | 10 |
| 7E | 7E3-RW68-B | 7E3-RW68-B- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 12.5 | 2 |
| 7E | 7E3-RW68-B | 7E3-RW68-B- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW68-B | 7E3-RW68-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 7E | 7E3-RW68-C | 7E3-RW68-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 392 | 10 |
| 7E | 7E3-RW68-C | 7E3-RW68-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 19.8 | 2 |
| 7E | 7E3-RW68-C | 7E3-RW68-C- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 7E | 7E3-RW68-C | 7E3-RW68-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 254 | 10 |
| 7E | 7E3-RW68-C | 7E3-RW68-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.8 | 0.2 |
| 7E | 7E3-RW68-C | 7E3-RW68-C- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E1-A | 8E1-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 4620 | 100 |
| 8E | 8E1-A | 8E1-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1500 | 100 |
| 8E | 8E1-A | 8E1-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.24 | |
| 8E | 8E1-A | 8E1-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 2540 | 100 |
| 8E | 8E1-RW590AB | 8E1-RW590AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1050 | 100 |
| 8E | 8E1-RW590AB | 8E1-RW590AI | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.32 | |
| 8E | 8E1-RW590AB | 8E1-RW590AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 228 | 10 |
| 8E | 8E1-RW590AB | 8E1-RW590AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 12.8 | 2 |
| 8E | 8E1-RW590AB | 8E1-RW590AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.23 | 0.2 |
| 8E | 8E1-RW590AB | 8E1-RW590AI | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 280 | 10 |
| 8E | 8E1-RW590AB | 8E1-RW590AI | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 16.1 | 0.4 |
| 8E | 8E1-RW590AB | 8E1-RW590AI | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E1-RW590-B | 8E1-RW590-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 671 | 20 |
| 8E | 8E1-RW590-B | 8E1-RW590-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 34.6 | 1 |
| 8E | 8E1-RW590-B | 8E1-RW590-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.46 | 0.2 |
| 8E | 8E1-RW590-B | 8E1-RW590-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 85.9 | 10 |
| 8E | 8E1-RW590-B | 8E1-RW590-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.98 | 0.2 |
| 8E | 8E1-RW590-B | 8E1-RW590-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E1-RW590-B | 8E1-RW590-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 17 | 10 |
| 8E | 8E1-RW590-B | 8E1-RW590-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 14.4 | 10 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 472 | 10 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 37.4 | 1 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.31 | 0.2 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 155 | 10 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 11.8 | 0.4 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.28 | 0.2 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 101 | 10 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.17 | 0.2 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 963 | 10 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.73 | 0.2 |
| 8E | 8E1-RW590-C | 8E1-RW590-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.23 | 0.2 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 674 | 20 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 47.7 | 2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8E | 8E1-RW590-D | 8E1-RW590-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 96.1 | 10 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.84 | 0.2 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 105 | 10 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.3 | 0.2 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 98.6 | 10 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 12.2 | 2 |
| 8E | 8E1-RW590-D | 8E1-RW590-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E2-A | 8E2-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 713 | 20 |
| 8E | 8E2-A | 8E2-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 17.6 | 2 |
| 8E | 8E2-A | 8E2-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E2-A | 8E2-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 41.3 | 10 |
| 8E | 8E3-A | 8E3-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 724 | 20 |
| 8E | 8E3-A | 8E3-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 81.8 | 2 |
| 8E | 8E3-A | 8E3-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.38 | 0.2 |
| 8E | 8E3-A | 8E3-A-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 5.23 | |
| 8E | 8E3-A | 8E3-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 207 | 10 |
| 8E | 8E3-A | 8E3-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.7 | 2 |
| 8E | 8E3-A | 8E3-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E3-A | 8E3-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 122 | 10 |
| 8E | 8E3-A | 8E3-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.43 | 0.2 |
| 8E | 8E4-A | 8E4-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 505 | 10 |
| 8E | 8E4-A | 8E4-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 19.5 | 2 |
| 8E | 8E4-A | 8E4-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E4-A | 8E4-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 117 | 10 |
| 8E | 8E4-A | 8E4-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.72 | 0.2 |
| 8E | 8E4-A | 8E4-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 82.5 | 10 |
| 8E | 8E4-A | 8E4-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.24 | 0.2 |
| 8E | 8E4-B | 8E4-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1010 | 50 |
| 8E | 8E4-B | 8E4-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 272 | 10 |
| 8E | 8E4-B | 8E4-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.5 | 0.2 |
| 8E | 8E4-B | 8E4-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 54.3 | 10 |
| 8E | 8E4-B | 8E4-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.35 | 0.2 |
| 8E | 8E5-A | 8E5-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1240 | 50 |
| 8E | 8E5-A | 8E5-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 345 | 10 |
| 8E | 8E5-A | 8E5-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.4 | 0.2 |
| 8E | 8E5-A | 8E5-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E5-A | 8E5-A-1 | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 8.06 | |
| 8E | 8E5-B | 8E5-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 482 | 10 |
| 8E | 8E5-B | 8E5-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 36.7 | 2 |
| 8E | 8E5-B | 8E5-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.48 | 0.2 |
| 8E | 8E5-B | 8E5-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 735 | 20 |
| 8E | 8E5-B | 8E5-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 40.6 | 2 |
| 8E | 8E5-B | 8E5-B-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.51 | 0.2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8E | 8E5-B | 8E5-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 64.7 | 10 |
| 8E | 8E5-B | 8E5-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.11 | 0.2 |
| 8E | 8E5-B | 8E5-B-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.42 | 0.2 |
| 8E | 8E5-C | 8E5-C-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 62.6 | 10 |
| 8E | 8E5-C | 8E5-C-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.71 | 0.2 |
| 8E | 8E5-C | 8E5-C-SF | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.91 | |
| 8E | 8E5-C | 8E5-C-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.2 | 10 |
| 8E | 8E5-C | 8E5-C-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 8E | 8E5-D | 8E5-D-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 557 | 20 |
| 8E | 8E5-D | 8E5-D-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 34.7 | 2 |
| 8E | 8E5-D | 8E5-D-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.46 | 0.2 |
| 8E | 8E5-D | 8E5-D-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 103 | 10 |
| 8E | 8E5-D | 8E5-D-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E5-D | 8E5-D-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 8E | 8E5-E | 8E5-E-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 73.1 | 10 |
| 8E | 8E5-E | 8E5-E-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.86 | 0.2 |
| 8E | 8E5-E | 8E5-E-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E5-E | 8E5-E-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 26.3 | 10 |
| 8E | 8E5-E | 8E5-E-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 101 | 10 |
| 8E | 8E5-E | 8E5-E-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.84 | 0.2 |
| 8E | 8E5-RW100-A | 8E5-RW100-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 75.2 | 10 |
| 8E | 8E5-RW100-A | 8E5-RW100-A | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.5 | 0.2 |
| 8E | 8E5-RW100-A | 8E5-RW100-A | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.48 | 0.2 |
| 8E | 8E5-RW100-A | 8E5-RW100-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 15.1 | 10 |
| 8E | 8E5-RW100-A | 8E5-RW100-A | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.45 | |
| 8E | 8E5-RW100-A | 8E5-RW100-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 8E | 8E5-RW100-A | 8E5-RW100-A | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.3 | 10 |
| 8E | 8E5-RW100-B | 8E5-RW100-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 332 | 10 |
| 8E | 8E5-RW100-B | 8E5-RW100-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 16.5 | 2 |
| 8E | 8E5-RW100-B | 8E5-RW100-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E5-RW100-B | 8E5-RW100-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 329 | 10 |
| 8E | 8E5-RW100-B | 8E5-RW100-B | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 17.3 | 2 |
| 8E | 8E5-RW100-B | 8E5-RW100-B | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E5-RW100-B | 8E5-RW100-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 8E | 8E5-RW100-B | 8E5-RW100-B | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 13.1 | 10 |
| 8E | 8E5-RW100-C | 8E5-RW100-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 139 | 10 |
| 8E | 8E5-RW100-C | 8E5-RW100-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.7 | 0.2 |
| 8E | 8E5-RW100-C | 8E5-RW100-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 109 | 10 |
| 8E | 8E5-RW100-C | 8E5-RW100-C | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.39 | 0.2 |
| 8E | 8E5-RW100-C | 8E5-RW100-C | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E5-RW100-C | 8E5-RW100-C | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 8E | 8E5-RW100-C | 8E5-RW100-C | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.41 | |
| 8E | 8E5-RW100-D | 8E5-RW100-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 738 | 20 |
| 8E | 8E5-RW100-D | 8E5-RW100-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.3 | 0.4 |
| 8E | 8E5-RW100-D | 8E5-RW100-D | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E5-RW100-D | 8E5-RW100-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 60.4 | 10 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8E | 8E5-RW100-D | 8E5-RW100-D | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.49 | 0.2 |
| 8E | 8E5-RW100-D | 8E5-RW100-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 37 | 10 |
| 8E | 8E5-RW100-D | 8E5-RW100-D | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 5 | 10 |
| 8E | 8E6-A | 8E6-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 322 | 10 |
| 8E | 8E6-A | 8E6-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 16 | 2 |
| 8E | 8E6-A | 8E6-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.82 | 0.2 |
| 8E | 8E6-A | 8E6-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 148 | 10 |
| 8E | 8E6-A | 8E6-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.38 | 0.2 |
| 8E | 8E6-A | 8E6-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E6-A | 8E6-A-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 105 | 10 |
| 8E | 8E6-A | 8E6-A-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.94 | 0.2 |
| 8E | 8E6-A | 8E6-A-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E6-B | 8E6-B-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 189 | 10 |
| 8E | 8E6-B | 8E6-B-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.83 | 0.2 |
| 8E | 8E6-B | 8E6-B-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.26 | 0.2 |
| 8E | 8E6-B | 8E6-B-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 131 | 10 |
| 8E | 8E6-B | 8E6-B-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.95 | 0.2 |
| 8E | 8E6-B | 8E6-B-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.31 | 0.2 |
| 8E | 8E6-B | 8E6-B-2 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 63.8 | 10 |
| 8E | 8E6-B | 8E6-B-2 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 6.13 | 0.2 |
| 8E | 8E6-B | 8E6-B-2 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E6-RW58ABT | 8E6-RW58AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 82 | 10 |
| 8E | 8E6-RW58ABT | 8E6-RW58AB | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.49 | 0.2 |
| 8E | 8E6-RW58ABT | 8E6-RW58AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 77.9 | 10 |
| 8E | 8E6-RW58ABT | 8E6-RW58AB | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.76 | 0.2 |
| 8E | 8E6-RW58ABT | 8E6-RW58AB | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 33 | 10 |
| 8E | 8E6-RW58-B | 8E6-RW58-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 189 | 10 |
| 8E | 8E6-RW58-B | 8E6-RW58-B- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 7.21 | 0.2 |
| 8E | 8E6-RW58-B | 8E6-RW58-B- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E6-RW58-B | 8E6-RW58-B- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.18 | |
| 8E | 8E6-RW58-B | 8E6-RW58-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 183 | 10 |
| 8E | 8E6-RW58-B | 8E6-RW58-B- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 10.7 | 0.2 |
| 8E | 8E6-RW58-B | 8E6-RW58-B- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.38 | 0.2 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 129 | 10 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.58 | 0.2 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 64.4 | 10 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 3.13 | 0.2 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 73.8 | 10 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 2.7 | 0.2 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 64 | 10 |
| 8E | 8E6-RW58-C | 8E6-RW58-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 1.33 | 0.2 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 148 | 10 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.61 | 0.2 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.21 | 0.2 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 137 | 10 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8E | 8E6-RW58-D | 8E6-RW58-D- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.34 | 0.2 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 177 | 10 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.38 | 0.2 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 0.28 | 0.2 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.42 | |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 137 | 10 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.12 | 0.2 |
| 8E | 8E6-RW58-D | 8E6-RW58-D- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E7-A | 8E7-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 183 | 10 |
| 8E | 8E7-A | 8E7-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.8 | 0.2 |
| 8E | 8E7-A | 8E7-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E7-A | 8E7-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 146 | 10 |
| 8E | 8E7-A | 8E7-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 9.84 | 0.2 |
| 8E | 8E7-A | 8E7-A-1 | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E8-A | 8E8-A-SF | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 120 | 10 |
| 8E | 8E8-A | 8E8-A-SF | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.13 | 0.2 |
| 8E | 8E8-A | 8E8-A-SF | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 8E | 8E8-A | 8E8-A-1 | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 162 | 10 |
| 8E | 8E8-A | 8E8-A-1 | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 4.36 | 0.2 |
| 9E | 9E-RW621-A | 9E-RW621-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 1230 | 50 |
| 9E | 9E-RW621-A | 9E-RW621-A- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 6.94 | |
| 9E | 9E-RW621-A | 9E-RW621-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 107 | 10 |
| 9E | 9E-RW621-A | 9E-RW621-A- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 21.6 | 2 |
| 9E | 9E-RW621-A | 9E-RW621-A- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-A | 9E-RW621-A- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 139 | 10 |
| 9E | 9E-RW621-A | 9E-RW621-A- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.53 | 0.2 |
| 9E | 9E-RW621-A | 9E-RW621-A- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-B | 9E-RW621-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 598 | 20 |
| 9E | 9E-RW621-B | 9E-RW621-B- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 74.6 | 2 |
| 9E | 9E-RW621-B | 9E-RW621-B- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-B | 9E-RW621-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 116 | 10 |
| 9E | 9E-RW621-B | 9E-RW621-B- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14.7 | 0.4 |
| 9E | 9E-RW621-B | 9E-RW621-B- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-B | 9E-RW621-B- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.72 | |
| 9E | 9E-RW621-B | 9E-RW621-B- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 141 | 10 |
| 9E | 9E-RW621-B | 9E-RW621-B- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 5.37 | 0.2 |
| 9E | 9E-RW621-B | 9E-RW621-B- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-C | 9E-RW621-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 352 | 10 |
| 9E | 9E-RW621-C | 9E-RW621-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 14.4 | 0.4 |
| 9E | 9E-RW621-C | 9E-RW621-C- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-C | 9E-RW621-C- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.66 | |
| 9E | 9E-RW621-C | 9E-RW621-C- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 275 | 10 |
| 9E | 9E-RW621-C | 9E-RW621-C- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 20.1 | 0.4 |
| 9E | 9E-RW621-C | 9E-RW621-C- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-D | 9E-RW621-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 899 | 50 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9E | 9E-RW621-D | 9E-RW621-D- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 54.9 | 2 |
| 9E | 9E-RW621-D | 9E-RW621-D- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-D | 9E-RW621-D- | TTLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/kg | Lead | 138 | 10 |
| 9E | 9E-RW621-D | 9E-RW621-D- | STLC | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | 8.98 | 0.2 |
| 9E | 9E-RW621-D | 9E-RW621-D- | STLC (DI) | 7000 | soil | 04/10/2001 | Associated Lab. | mg/l | Lead | ND | 0.2 |
| 9E | 9E-RW621-D | 9E-RW621-D- | pH | 7000 | soil | 04/10/2001 | Associated Lab. | | Lead | 7.3 | |

# APPENDIX E

# LABORATORY REPORTS

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

RECEIVED
MAY 3 2001
NINYO & MOORE
ORANGE COUNTY OFFICE

LAB REQUEST 69147
REPORTED 04/05/2001
RECEIVED 03/09/2001

PROJECT CalTrans/I-10/Pb Inv.

SUBMITTER Client

COMMENTS Added TCLP Lead to order #251135, 139, 152 on 4/12/01.
Added pH to order #251140 on 4/17/01.
Added TCLP Pb to order #251136 on 4/25/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251119 | 1W1-C-2 |
| 251120 | 7E3-A-SF |
| 251121 | 7E3-A-1 |
| 251122 | 7E3-A-2 |
| 251123 | 4E2-D-SF |
| 251124 | 4E2-D-1 |
| 251125 | 4E2-D-2 |
| 251126 | 4E2-E-SF |
| 251127 | 4E2-E-1 |
| 251128 | 4E2-E-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69147

REPORTED 04/05/2001

RECEIVED 03/09/2001

PROJECT CalTrans/I-10/Pb Inv.

SUBMITTER Client

COMMENTS Added TCLP Lead to order #251135, 139, 152 on 4/12/01.
Added pH to order #251140 on 4/17/01.
Added TCLP Pb to order #251136 on 4/25/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251129 | 3W6-B-SF |
| 251130 | 3W6-B-1 |
| 251131 | 3W6-B-2 |
| 251132 | 3W6-A-SF |
| 251133 | 3W6-A-1 |
| 251134 | 3W6-A-2 |
| 251135 | 3W2-B-SF |
| 251136 | 8E4-B-SF |
| 251137 | 8E4-B-1 |
| 251138 | 8E4-B-2 |
| 251139 | 8E5-A-SF |
| 251140 | 8E5-A-1 |
| 251141 | 8E4-A-SF |
| 251142 | 8E4-A-1 |
| 251143 | 8E4-A-2 |
| 251144 | 8E3-A-SF |
| 251145 | 8E3-A-1 |
| 251146 | 8E3-A-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*Chemical*
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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69147

REPORTED 04/05/2001

RECEIVED 03/09/2001

PROJECT CalTrans/I-10/Pb Inv.

SUBMITTER Client

COMMENTS Added TCLP Lead to order #251135, 139, 152 on 4/12/01.
Added pH to order #251140 on 4/17/01.
Added TCLP Pb to order #251136 on 4/25/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251147 | 8E2-A-SF |
| 251148 | 8E2-A-1 |
| 251149 | 3W2-B-1 |
| 251150 | 3W2-B-2 |
| 251151 | 1W1-K-SF |
| 251152 | 1W1-K-1 |
| 251153 | 1W1-K-2 |
| 251154 | 3W4-A-SF |
| 251155 | 3W4-A-1 |
| 251156 | 3W4-A-2 |
| 251157 | 3W3-A-SF |
| 251158 | 3W3-A-1 |
| 251159 | 3W3-A-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 251119 **Client Sample ID:** 1W1-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.01 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 865 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.30 | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 37.4 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251120 **Client Sample ID:** 7E3-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 306 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 12.8 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251121 **Client Sample ID:** 7E3-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 169 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.45 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251122 **Client Sample ID:** 7E3-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.16 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 11.6 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251123 **Client Sample ID:** 4E2-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 234 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.63 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251124 **Client Sample ID:** 4E2-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 50.2 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 0.82 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251125 **Client Sample ID:** 4E2-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 23.3 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251126 **Client Sample ID:** 4E2-E-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 569 | 20.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 11.1 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251127 **Client Sample ID:** 4E2-E-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 43.9 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251128 **Client Sample ID:** 4E2-E-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 58.7 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.15 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251129 **Client Sample ID:** 3W6-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 453 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 15.8 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251130 **Client Sample ID:** 3W6-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 56.6 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.14 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251131 **Client Sample ID:** 3W6-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.27 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 38.9 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251132 **Client Sample ID:** 3W6-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 74.7 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.77 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 251133 **Client Sample ID:** 3W6-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 16.5 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251134 **Client Sample ID:** 3W6-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 20.8 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251135 **Client Sample ID:** 3W2-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 0.28 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 95.5 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | ND | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251136 **Client Sample ID:** 8E4-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 0.782 | 0.1 | mg/L | 04/26/01 | HN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,010 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251137 **Client Sample ID:** 8E4-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 272 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 STLC Lead by AA**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 4.50 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251138 **Client Sample ID:** 8E4-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 54.3 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.35 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251139 **Client Sample ID:** 8E5-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 3.56 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,240 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251140 **Client Sample ID:** 8E5-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.06 | | NA | 04/18/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 345 | 10.0 | mg/Kg | 03/30/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 10.4 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251141 **Client Sample ID:** 8E4-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 505 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 19.5 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251142 **Client Sample ID:** 8E4-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 117 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.72 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251143 **Client Sample ID:** 8E4-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 82.5 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.24 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251144 **Client Sample ID:** 8E3-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 5.23 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 724 | 20.0 | mg/Kg | 03/17/01 | Kn |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.38 | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 81.8 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251145 **Client Sample ID:** 8E3-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 207 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.7 | 2.0 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251146 **Client Sample ID:** 8E3-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 122 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.43 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 251147 **Client Sample ID:** 8E2-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 713 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 17.6 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 251148 **Client Sample ID:** 8E2-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 41.3 | 10.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251149 **Client Sample ID:** 3W2-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 41.2 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251150 **Client Sample ID:** 3W2-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 34.7 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251151 **Client Sample ID:** 1W1-K-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 2,340 | 50.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251152 **Client Sample ID:** 1W1-K-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 2.12 | 0.1 | mg/L | 04/19/01 NK |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 2,120 | 50.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251153 **Client Sample ID:** 1W1-K-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,110 | 50.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251154 **Client Sample ID:** 3W4-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.88 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 83.8 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 13.1 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 251155 **Client Sample ID:** 3W4-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251156 **Client Sample ID:** 3W4-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251157 **Client Sample ID:** 3W3-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 135 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.19 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 251158 **Client Sample ID:** 3W3-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251159 **Client Sample ID:** 3W3-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**150.1 pH**

| | | | | | |
|---|---|---|---|---|---|
| pH | 8.36 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69060
REPORTED 03/29/2001
RECEIVED 03/08/2001

PROJECT CalTrans/I-10 Lead Investigation

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250558 | 3W10-RW595-C-1 |
| 250559 | 3W10-RW595-C-2 |
| 250560 | 3W10-RW595-C-4.5 |
| 250561 | 3W9-A-SF |
| 250562 | 3W9-A-1 |
| 250563 | 3W9-A-2 |
| 250564 | 3W10-RW595ABT-A-SF |
| 250565 | 3W10-RW595ABT-A-1 |
| 250566 | 3W9-B-SF |
| 250567 | 3W9-B-1 |
| 250568 | 3W9-B-2 |
| 250569 | 3W7-RW49ABT-D-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69060
REPORTED 03/29/2001
RECEIVED 03/08/2001

PROJECT CalTrans/I-10 Lead Investigation

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250570 | 3W7-RW49ABT-D-1 |
| 250571 | 3W7-RW49ABT-D-2 |
| 250572 | 8E5E-SF |
| 250573 | 8E5E-1 |
| 250574 | 8E5E-2 |
| 250575 | 3W7-RW49-B-SF |
| 250576 | 3W7-RW49-B-1 |
| 250577 | 3W7-RW49-B-2 |
| 250578 | 3W7-RW49-B-3 |
| 250579 | 8E5-RW100-D-SF |
| 250580 | 8E5-RW100-D-1 |
| 250581 | 8E5-RW100-D-2 |
| 250582 | 8E5-RW100-D-5 |
| 250583 | 1W1-RW505-ABT-E-SF |
| 250584 | 1W1-RW505-ABT-E-1.0 |
| 250585 | 1W1-RW505-ABT-E-2.0 |
| 250586 | 1W1-G-SF |
| 250587 | 1W1-G-1.0 |
| 250588 | 1W1-G-2.0 |
| 250589 | 1W1-RW505-D-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69060

REPORTED 03/29/2001

RECEIVED 03/08/2001

PROJECT CalTrans/I-10 Lead Investigation

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250590 | 1W1-RW505-D-1.0 |
| 250591 | 1W1-RW505-D-2.0 |
| 250592 | 1W1-RW505-D-3.0 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Microbiological*
*Environmental*

**Order #:** 250558 **Client Sample ID:** 3W10-RW595-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 42.9 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250559 **Client Sample ID:** 3W10-RW595-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 20.2 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250560 **Client Sample ID:** 3W10-RW595-C-4.5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.7 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250561 **Client Sample ID:** 3W9-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 151 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.60 | 0.2 | mg/L | 03/20/01 | KN |

**Order #:** 250562 **Client Sample ID:** 3W9-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 6.79 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 93.3 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.13 | 0.2 | mg/L | 03/20/01 | kN |

**Order #:** 250563 **Client Sample ID:** 3W9-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 158 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 14.3 | 0.4 | mg/L | 03/20/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250564 **Client Sample ID:** 3W10-RW595ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 90.5 | 10.0 | mg/Kg | 03/15/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.47 | 0.2 | mg/L | 03/20/01 kN |

**Order #:** 250565 **Client Sample ID:** 3W10-RW595ABT-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 37.0 | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 250566 **Client Sample ID:** 3W9-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 965 | 100.0 | mg/Kg | 03/15/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 134 | 4.0 | mg/L | 03/20/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250567 **Client Sample ID:** 3W9-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 250568 **Client Sample ID:** 3W9-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 21.1 | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 250569 **Client Sample ID:** 3W7-RW49ABT-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 250570 **Client Sample ID:** 3W7-RW49ABT-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 15.8 | 10.0 | mg/Kg | 03/15/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250571 **Client Sample ID:** 3W7-RW49ABT-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 250572 **Client Sample ID:** 8E5E-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 73.1 | 10.0 | mg/Kg | 03/15/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 6.86 | 0.2 | mg/L | 03/20/01 KN |

**Order #:** 250573 **Client Sample ID:** 8E5E-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 26.3 | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 250574 **Client Sample ID:** 8E5E-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 101 | 10.0 | mg/Kg | 03/15/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.84 | 0.2 | mg/L | 03/20/01 | KN |

**Order #:** 250575 **Client Sample ID:** 3W7-RW49-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 191 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.21 | 0.2 | mg/L | 03/29/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.65 | 0.2 | mg/L | 03/20/01 | KN |

**Order #:** 250576 **Client Sample ID:** 3W7-RW49-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 20.6 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250577 **Client Sample ID:** 3W7-RW49-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 252 | 10.0 | mg/Kg | 03/15/01 | NK |

**7420 DI-STLC Lead by AA**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 14.0 | 0.4 | mg/L | 03/20/01 | KN |

**Order #:** 250578 **Client Sample ID:** 3W7-RW49-B-3 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 46.3 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250579 **Client Sample ID:** 8E5-RW100-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 738 | 20.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.3 | 0.4 | mg/L | 03/20/01 | KN |

**Order #:** 250580 **Client Sample ID:** 8E5-RW100-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 60.4 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.49 | 0.2 | mg/L | 03/20/01 | KN |

**Order #:** 250581 **Client Sample ID:** 8E5-RW100-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 37.0 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250582 **Client Sample ID:** 8E5-RW100-D-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250583 **Client Sample ID:** 1W1-RW505-ABT-E-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 880 | 20.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 46.1 | 2.0 | mg/L | 03/20/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250584 **Client Sample ID:** 1W1-RW505-ABT-E-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 465 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 33.7 | 2.0 | mg/L | 03/20/01 | KN |

**Order #:** 250585 **Client Sample ID:** 1W1-RW505-ABT-E-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 10.8 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250586 **Client Sample ID:** 1W1-G-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,430 | 20.0 | mg/Kg | 04/23/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 80.0 | 2.0 | mg/L | 03/20/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250587 **Client Sample ID:** 1W1-G-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 184 | 10.0 | mg/Kg | 03/15/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 10.0 | 0.2 | mg/L | 03/20/01 KN |

**Order #:** 250588 **Client Sample ID:** 1W1-G-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 16.8 | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 250589 **Client Sample ID:** 1W1-RW505-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 414 | 10.0 | mg/Kg | 03/15/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 03/29/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 29.9 | 2.0 | mg/L | 03/20/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250590 **Client Sample ID:** 1W1-RW505-D-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 15.2 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250591 **Client Sample ID:** 1W1-RW505-D-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 18.3 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 250592 **Client Sample ID:** 1W1-RW505-D-3.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69093 - 250782

Matrix: STLC

Prep. Date: 03/23/01

Analysis Date: 04/03/01

Lab ID#'s in Batch: LR 69093, 69060

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.67 | | 2 | 4.98 | 4.99 | 115.5 | 116.0 | 0.2 |

*NC = Not Calculated*

*ND = "U" - Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69060 - 250560

Matrix: SOLID

Prep. Date: 03/14/01

Analysis Date: 03/15/01

ID#'s in Batch: LR 69060

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 12.70 | | 16.50 | | 26.0 | 92.5 | 106.0 | 100.9 |
| Lead | 7420 | 15.90 | | 14.90 | | 6.5 | 92.0 | 105.0 | 96.8 |
| Lead | 7420 | 60.50 | | 57.70 | | 4.7 | 93.3 | 159.0 | 105.6 |
| Lead | 7420 | 15.30 | | 14.60 | | 4.7 | 95.3 | 110.0 | 99.4 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031401SO78910 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 104 | 100 | 104.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 103 | 100 | 103.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 105 | 100 | 105.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69060

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 24 of _____

CLIENT CALTRANS

ADDRESS _____

PROJECT NAME CALTRANS I-10 LEAD INV.

PROJECT MANAGER DAVID SHALER

PHONE NUMBER (949) 472 5444

SAMPLERS: (Signature)

Samples Intact Yes ✓ No _____
County Seals Intact Yes _____ No ✓
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular ✓ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W10 RW 595-C-1 | I10 OFFRAMP | | | | | | | | |
| 3W10 RW 595-C-2 | | | | | | | | | |
| 3W10 - RW 595 -C-4.5 | | | | | | | | | |
| 3W-9-A-SF | | | | | | | | | |
| 3W9-A-1 | | | | | | | | | |
| 3W9-A-2 | | | | | | | | | |
| 3W10 RW 595 ABT-A-SF | | | | | | | | | |
| 3W10 RW 595 ABT-A-1 | | | | | | | | | |
| 3W10 RW595 ABT | | | | | | | | | |
| 3W9-B-SF | | | | | | | | | |
| 3W9-B-1 | | | | | | | | | |
| 3W9-B-2 | | | | | | | | | |
| 3W7- RW49 ABT-D-SF | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| | | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time 3-8-01 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69060

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 25 of _____

CLIENT CALTRANS

ADDRESS _____

PROJECT NAME CALTRANS I-10 Pb INVESTIGATION

PROJECT MANAGER DAVID SHALER

PHONE NUMBER (949) 472 5444

SAMPLERS: (Signature)

Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ✓
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ____ 24 Hr. ____
Regular ✓ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W7-RW49 ABT-D-1 | I10 ON RAMP | 3/8/01 | | | | X | 1 | Pb | |
| 3W7-RW49 ABT-D-2 | | | | | | X | 1 | Pb | |
| 8E5E-SF | | | | | | X | 1 | Pb | |
| 8E5E-1 | | | | | | X | 1 | Pb | |
| 8E5E-2 | | | | | | X | 1 | Pb | |
| 3W7-RW49 B-SF | | | | | | X | 1 | Pb | |
| 3W7-RW49 B-1 | | | | | | X | 1 | Pb | |
| 3W7-RW49 B-2 | | | | | | X | 1 | Pb | |
| 3W7-RW49 B-3 | | | | | | X | 1 | Pb | |
| 8E5-RW 100-D-SF | | | | | | X | 1 | Pb | |
| 8E5-RW 100-D-1 | | | | | | X | 1 | Pb | |
| 8E5-RW 100-D-2 | | | | | | X | 1 | Pb | |
| 8E5-RW 100-D-5 | | | | | | X | 1 | Pb | |

Relinquished by: (Signature) F. L

Received by: (Signature)

Date/Time 3-8-01

Relinquished by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 3-8-01

Special Instructions:

I hereby autorize the performance of the above indicated work.

F. L

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

090060

## CHAIN OF CUSTODY RECORD

Date ~~Feb~~ Mar 0801 Page 26 of _____

CLIENT _____

ADDRESS _____

Job # 202887-01

PROJECT NAME
CALTRANS/I-10

PROJECT MANAGER

PHONE NUMBER

SAMPLERS: (Signature) Michael J LaStrada

Samples Intact Yes ✓ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ✓ Frozen ___
Same Day _____ 24 Hr. _____
Regular ✓ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| IWI-RW505-ABT-E-SE | Soil Sample | 3-8-01 | | N/A | N/A | | X | 1 | Lead Trace Series |
| " " | 1.0 | | | | | | | | |
| " " | 2.0 | | | | | | | | |
| X " | NOT OBTAINED | | | | | | | | NOT OBTAINED Refused |
| IWI-G-SF | | | | | | | | | |
| IWI-G-1.0 | | | | | | | | | |
| IWI-G-2.0 | | | | | | | | | |
| ~~IWI-G~~ | NOT REQUIRED | | | | | | | | |
| IWI-RW505-D-SE | | | | | | | | | |
| | 1.0 | | | | | | | | |
| | 2.0 | | | | | | | | |
| | 3.0 | | | | | | | | HOLD |
| | | | | | | | | | |

| | | |
|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) Ken Muisey | Date/Time 3-8-01 |
| Special Instructions: | | |

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69055
REPORTED 04/03/2001
RECEIVED 03/08/2001

PROJECT CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250396, 400 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250379 | 3W7-RW571-D-2 |
| 250380 | 3W7-RW571-D-3 |
| 250381 | 3W7-RW567ABT-D-SF |
| 250382 | 3W7-RW567ABT-D-1 |
| 250383 | 3W7-RW567-C-SF |
| 250384 | 3W7-RW567-C-1 |
| 250385 | 3W7-RW567-C-2 |
| 250386 | 3W7-RW567-B-SF |
| 250387 | 3W7-RW567-B-1 |
| 250388 | 3W7-RW567-B-2 |
| 250389 | 3W7-RW567-A-SF |
| 250390 | 3W7-RW567-A-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69055

REPORTED 04/03/2001

RECEIVED 03/08/2001

PROJECT CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250396, 400 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250391 | 3W7-RW567-A-2 |
| 250392 | 3W7-RW571ABT-A-SF |
| 250393 | 3W7-RW571ABT-A-1 |
| 250394 | 3W7-RW571ABT-A-2 |
| 250395 | 3W7-RW571ABT-A-3.5 |
| 250396 | 3W7-RW571-B-SF |
| 250397 | 3W7-RW571-B-1 |
| 250398 | 3W7-RW571-B-2 |
| 250399 | 3W7-RW571-C-SF |
| 250400 | 3W7-RW571-C-1 |
| 250401 | 3W7-RW571-C-2 |
| 250402 | 3W7-RW571-C-3 |
| 250403 | 3W7-RW571-D-SF |
| 250404 | 3W7-RW571-D-1 |
| 250405 | 2W3-A-1 |
| 250406 | 2W3-A-2 |
| 250407 | 2W2-A-SF |
| 250408 | 2W2-A-1 |
| 250409 | 2W2-A-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
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*Microbiological*
*Environmental*

**Order #:** 250379 **Client Sample ID:** 3W7-RW571-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 203 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 14.8 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250380 **Client Sample ID:** 3W7-RW571-D-3 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 163 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 13.3 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250381 **Client Sample ID:** 3W7-RW567ABT-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 108 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 30.8 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250382 **Client Sample ID:** 3W7-RW567ABT-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250383 **Client Sample ID:** 3W7-RW567-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 143 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.4 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250384 **Client Sample ID:** 3W7-RW567-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 366 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 20.0 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250385 **Client Sample ID:** 3W7-RW567-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.44 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 97.7 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.64 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250386 **Client Sample ID:** 3W7-RW567-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 49.1 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250387 **Client Sample ID:** 3W7-RW567-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 60.1 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.54 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250388 **Client Sample ID:** 3W7-RW567-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 71.8 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.64 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250389 **Client Sample ID:** 3W7-RW567-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.86 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 114 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.49 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250390 **Client Sample ID:** 3W7-RW567-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 99.4 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 4.50 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250391 **Client Sample ID:** 3W7-RW567-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 13.2 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250392 **Client Sample ID:** 3W7-RW571ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 194 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.19 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250393 **Client Sample ID:** 3W7-RW571ABT-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 186 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 7.47 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250394 **Client Sample ID:** 3W7-RW571ABT-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 140 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 14.4 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250395 **Client Sample ID:** 3W7-RW571ABT-A-3.5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 55.0 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.57 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250396 **Client Sample ID:** 3W7-RW571-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead TCLP | 7.18 | 0.1 | mg/L | 04/19/01 | NK |

**150.1 pH**

| | | | | | |
|---|---|---|---|---|---|
| pH | 6.09 | | NA | 03/16/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 3,000 | 100.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250397 **Client Sample ID:** 3W7-RW571-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 901 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.21 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 79.4 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250398 **Client Sample ID:** 3W7-RW571-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 316 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 32.6 | 2.0 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250399 **Client Sample ID:** 3W7-RW571-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 30.2 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250400 **Client Sample ID:** 3W7-RW571-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 5.34 | 0.1 | mg/L | 04/19/01 | NK |
| **150.1 pH** | | | | | |
| pH | 5.91 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 3,350 | 100.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250401 **Client Sample ID:** 3W7-RW571-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 616 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.37 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 43.4 | 2.0 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250402 **Client Sample ID:** 3W7-RW571-C-3 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 556 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.34 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 45.8 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250403 **Client Sample ID:** 3W7-RW571-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 69.7 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.20 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250404 **Client Sample ID:** 3W7-RW571-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 76.5 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 5.01 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250405 **Client Sample ID:** 2W3-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 17.2 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250406 **Client Sample ID:** 2W3-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.28 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 17.5 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250407 **Client Sample ID:** 2W2-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 24.4 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250408 **Client Sample ID:** 2W2-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.63 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.3 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250409 **Client Sample ID:** 2W2-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.2 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250318

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69053, 69055, 69057, 69061, 69092, 69094, 69139, 69147

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 9.51 | | 2.0 | 11.9 | 11.7 | NC | NC | 1.7 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP1 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.280 | 2 | 114.0 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69055 - 250387

Matrix: STLC

Prep. Date: 03/26/01

Analysis Date: 03/29/01

Lab ID#'s in Batch: LR 69055

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 3.54 | | 2 | 5.32 | 5.47 | 89.0 | 96.5 | 2.8 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69055 - 250397

Matrix: STLC (DI)

Prep. Date: 04/02/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 69055

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.21 | | 2 | 2.23 | 2.21 | 101.0 | 100.0 | 0.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
## QA REPORT FORM (MS/MSD)

QC Sample: LR 69055 - 250380

Matrix: SOLID

Prep. Date: 03/17/01

Analysis Date: 03/17/01

ID#'s in Batch: LR 69055

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 172.00 | | 198.00 | | 14.1 | 97.1 | 293.0 | 124.6 |
| Lead | 7420 | 99.00 | | 113.00 | | 13.2 | 97.0 | 191.0 | 94.8 |
| Lead | 7420 | 335.00 | | 339.00 | | 1.2 | 94.0 | 406.0 | 75.5 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 99.0 | 110.0 | 111.1 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031701SO1234 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 183 | 200 | 91.5 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 209 | 200 | 104.5 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 206 | 200 | 103.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 203 | 200 | 101.5 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

L9055

# CHAIN OF CUSTODY RECORD

Date 3-8-01 Page 4 of ____

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618
PROJECT NAME Caltrans/I-10 HOV/Soil sampling
PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ____ Cooled ✓ Frozen ____
Same Day ✓ 24 Hr. ____
Regular ____ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| IW7-RW57L-D-2 | I-10 | 3-8-01 | | | | X | 1 | | Lead 7000 Series |
| " D-3 | | | | | | | | | |
| SW7-RW57ABT-D-SF | | | | | | | | | |
| " D-1 | | | | | | | | | |
| SW7-RW567-C-SF | | | | | | | | | |
| " C-1 | | | | | | | | | |
| " C-2 | | | | | | | | | |
| SW7-RW567-B-SF | | | | | | | | | |
| " B-1 | | | | | | | | | |
| " B-2 | | | | | | | | | |
| SW7-RW567-A-SF | | | | | | | | | |
| " A-1 | | | | | | | | | |
| " A-2 | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time 4:15 3-8-01 |
|---|---|---|
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time 3809 |
| Special Instructions: | | |

I hereby autorize the performance of the above indicated work.

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L9057J

CHAIN OF CUSTODY RECORD
Date 3-8-01 Page 6 of _____

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618
PROJECT NAME Caltrans/I-10 HOV/Soil Sampling

PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes _____ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular _____ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W7-RW571ABT-A-5F | I-10 | 3-8-01 | | | | X | 1 | | Lead 7000 Series |
| A-1 | | | | | | | | | |
| A-2 | | | | | | | | | |
| A-3 | | | | | | | | | |
| 3W7-RW571-B-5F | | | | | | | | | |
| B-1 | | | | | | | | | |
| B-2 | | | | | | | | | |
| 3W7-RW571-C-5F | | | | | | | | | |
| 3W7-RW571-C-1 | | | | | | | | | |
| C-2 | | | | | | | | | |
| C-3 | | | | | | | | | |
| 3W7-RW571-D-5F | | | | | | | | | |
| D-1 | | | | | | | | | |

| | | |
|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time 1430 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time 3-8-01 |
| Special Instructions: | | |

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# CHAIN OF CUSTODY RECORD

09055

Date 3/8/01 Page 6 of ____

CLIENT Nanyo + Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, Ca. 92618
PROJECT NAME 202887-01
Caltrans / I-10 HOV / Soil Sampling

PROJECT MANAGER Dave Shuler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ✓
Sample Ambient ____ Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular ✓ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2W3-A-1 | I-10 | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| " A-2 | " | " | | | | " | " | | " |
| 2W2-A-SF | " | " | | | | " | " | | " |
| " A-1 | " | " | | | | " | " | | " |
| " A-2 | " | " | | | | " | " | | " |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Relinquished by: (Signature) [signature]
Received by: (Signature) [signature]
Date/Time 3-8-01

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature) [signature]
Date/Time 3-8-01

Special Instructions:

I hereby autorize the performance of the above indicated work.
[signature]

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69092
REPORTED 04/03/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans/I-10 HOV /Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250744 | 1W1-RW515-ABT-A-1 |
| 250745 | 1W1-RW515-ABT-A-2 |
| 250746 | 1W1-RW515-ABT-A-4 |
| 250747 | 1W1-H-SF |
| 250748 | 1W1-H-1 |
| 250749 | 1W1-H-2 |
| 250750 | 1W1-J-2 |
| 250751 | 1W1-RW523-A-SF |
| 250752 | 1W1-RW523-A-1 |
| 250753 | 1W1-RW523-A-2 |
| 250754 | 1W1-RW523-A-5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Microbiological*
*Environmental*

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Irvine, CA 92618

LAB REQUEST 69092
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RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans/I-10 HOV /Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250755 | 1W1-I-SF |
| 250756 | 1W1-I-1 |
| 250757 | 1W1-I-2 |
| 250758 | 1W1-RW515-B-SF |
| 250759 | 1W1-RW515-B-1 |
| 250760 | 1W1-RW515-B-2 |
| 250761 | 1W1-RW515-B-5 |
| 250762 | 1W1-RW515-ABT-A-SF |
| 250763 | 3W6-RW547-A-SF |
| 250764 | 3W6-RW547-A-1 |
| 250765 | 3W6-RW547-A-2 |
| 250766 | 3W6-RW547-A-5 |
| 250767 | 3W6-RW547-B-SF |
| 250768 | 3W6-RW547-B-1 |
| 250769 | 3W6-RW547-B-2 |
| 250770 | 3W6-RW547-B-5 |
| 250771 | 3W2-A-SF |
| 250772 | 3W2-A-1 |
| 250773 | 3W2-A-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

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Vice President

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69092
REPORTED 04/03/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans/I-10 HOV /Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250774 | 1W1-J-SF |
| 250775 | 1W1-J-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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**Order #:** 250744 **Client Sample ID:** 1W1-RW515-ABT-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 14.9 | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250745 **Client Sample ID:** 1W1-RW515-ABT-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250747 **Client Sample ID:** 1W1-H-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 306 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 HK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 26.6 | 2.0 | mg/L | 03/23/01 NK |

**Order #:** 250748 **Client Sample ID:** 1W1-H-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 10.1 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250749 **Client Sample ID:** 1W1-H-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 545 | 20.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 15.3 | 0.4 | mg/L | 03/23/01 | NK |

**Order #:** 250750 **Client Sample ID:** 1W1-J-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 20.8 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250751 **Client Sample ID:** 1W1-RW523-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 262 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 26.5 | 2.0 | mg/L | 03/23/01 | NK |

**Order #:** 250752 **Client Sample ID:** 1W1-RW523-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250753 **Client Sample ID:** 1W1-RW523-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.64 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250754 **Client Sample ID:** 1W1-RW523-A-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250755 **Client Sample ID:** 1W1-I-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 3,980 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250756 **Client Sample ID:** 1W1-I-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 9.80 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250757 **Client Sample ID:** 1W1-I-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,150 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250758 **Client Sample ID:** 1W1-RW515-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 6.09 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,610 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250759 **Client Sample ID:** 1W1-RW515-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250760 **Client Sample ID:** 1W1-RW515-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 25.1 | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250761 **Client Sample ID:** 1W1-RW515-B-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 22.4 | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250762 **Client Sample ID:** 1W1-RW515-ABT-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,620 | 100.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250763 **Client Sample ID:** 3W6-RW547-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 177 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 9.97 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 250764 **Client Sample ID:** 3W6-RW547-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 15.1 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250765 **Client Sample ID:** 3W6-RW547-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.91 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250766 **Client Sample ID:** 3W6-RW547-A-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250767 **Client Sample ID:** 3W6-RW547-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 171 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.25 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.5 | 0.4 | mg/L | 03/23/01 | NK |

**Order #:** 250768 **Client Sample ID:** 3W6-RW547-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 83.3 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.41 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 250769 **Client Sample ID:** 3W6-RW547-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250770 **Client Sample ID:** 3W6-RW547-B-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 138 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 0.43 | 0.2 | mg/L | 03/23/01 NK |

**Order #:** 250771 **Client Sample ID:** 3W2-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 866 | 20.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/02/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 70.7 | 2.0 | mg/L | 03/23/01 NK |

**Order #:** 250772 **Client Sample ID:** 3W2-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.25 | | NA | 03/15/01 NJ |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | |
| Mercury | 0.35 | 0.12 | mg/Kg | 03/20/10 MDJ |

**6010B ICP CAM Metals Only (16 Metals)**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Antimony | ND | 1.5 | mg/Kg | 03/21/01 | KN |
| Arsenic | 2.39 | 0.25 | mg/Kg | 03/23/01 | HN |
| Barium | 44.7 | 0.2 | mg/Kg | 03/21/01 | KN |
| Beryllium | ND | 0.1 | mg/Kg | 03/21/01 | KN |
| Cadmium | ND | 0.3 | mg/Kg | 03/21/01 | KN |
| Chromium | 7.30 | 0.5 | mg/Kg | 03/21/01 | KN |
| Cobalt | 5.70 | 0.5 | mg/Kg | 03/21/01 | KN |
| Copper | 20.3 | 0.5 | mg/Kg | 03/21/01 | KN |
| Lead | 26.2 | 0.25 | mg/Kg | 03/23/01 | HN |
| Molybdenum | ND | 0.65 | mg/Kg | 03/21/01 | KN |
| Nickel | 6.50 | 0.6 | mg/Kg | 03/21/01 | KN |
| Selenium | ND | 0.20 | mg/Kg | 03/23/01 | HN |
| Silver | ND | 0.5 | mg/Kg | 03/21/01 | KN |
| Thallium | ND | 0.40 | mg/Kg | 03/23/01 | HN |
| Vanadium | 16.3 | 0.2 | mg/Kg | 03/21/01 | KN |
| Zinc | 30.7 | 0.3 | mg/Kg | 03/21/01 | KN |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250773 **Client Sample ID:** 3W2-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 433 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.44 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 33.9 | 2.0 | mg/L | 03/23/01 | NK |

**Order #:** 250774 **Client Sample ID:** 1W1-J-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 3,570 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250775 **Client Sample ID:** 1W1-J-1 **Log Date:** 03/12/20

**Matrix:** SOLID

**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69092 - 250750

Matrix: SOLID

Prep. Date: 03/13/01

Analysis Date: 03/14/01

ID#'s in Batch: LR 69092

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 20.80 | | 22.90 | | 9.6 | 95.0 | 125.0 | 109.7 |
| Lead | 7420 | 25.10 | | 23.90 | | 4.9 | 99.0 | 118.0 | 93.8 |
| Lead | 7420 | 13.80 | | 12.40 | | 10.7 | 96.8 | 105.0 | 94.2 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031301SO123 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 102 | 100 | 102.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 109 | 100 | 109.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 110 | 100 | 110.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69092 - 250749

Matrix: STLC

Prep. Date: 03/20/01

Analysis Date: 03/23/01

Lab ID#'s in Batch: LR 69092

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 15.3 | | 2 | 16.6 | 17.2 | NC | NC | 3.6 |

*NC = Not Calculated*

*ND = "U" - Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69092 - 250749

Matrix: STLC (DI)

Prep. Date: 04/02/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 69092, 69153

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.31 | | 2 | 2.40 | 2.46 | 120.0 | 123.0 | 2.5 |

*NC = Not Calculated*

*ND = "U" - Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 69145 - 251102

Matrix: SOLID

Prep. Date: 03/20/01

Analysis Date: 03/20/01

ID#'s in Batch: LR 69145, 69498, 69092, 69093, 69526

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| MERCURY | 245.5 / 7471A | 0.30 | 0.73 | 0.99 | 0.98 | 94.5 | 93.2 | 1.0 |

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *%REC LIMITS = 75 - 125* |
| *RPD LIMITS = 20* |

## PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| PREP BLK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | True | %Rec | L.Limit | H.Limit |
| ND | 0.74 | 0.77 | 96.1 | 80% | 120% |

*Value = Preparation Blank Value; ND = Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

5

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69092

## CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 7 of _____

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, Ste 128A
Irvine, CA 92618
PROJECT NAME #202867-01
CALTRANS I-10 HOV / Soil sampling

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes _____ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular _____ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| TW1-RW5ISABT-A-1 | Soil Sample | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| " | -2 | " | | | | " | " | | " |
| " | -4 | " | | | | " | " | | Hold |
| TW1-H-SF | | " | | | | " | " | | " |
| " | -1 | " | | | | " | " | | " |
| " | -2 | " | | | | " | " | | " |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Relinquished by: (Signature) T.
Received by: (Signature)
Date/Time 3-8-01

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature) Ken Hulsey
Date/Time 3-8-01 11:30

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

69092

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

## CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 8 of _____

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine, CA 92618
PROJECT NAME # 202887-01
CALTRANS / I-10 HOV / Soil Sampling

PROJECT MANAGER DAVID SHALEL
PHONE NUMBER (949) 4725444
SAMPLERS: (Signature)

Samples Intact Yes _____ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular _____ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 1-W1-J-2 | Soil sample | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| 1W1-RW523-A-SF | | | | | | | | | |
| | -1 | | | | | | | | |
| | -2 | | | | | | | | |
| | -5 | | | | | | | | |
| 1W1-I-SF | | | | | | | | | |
| 1W1-I-1 | | | | | | | | | |
| ↓ -2 | | | | | | | | | |
| 1W1-RW515-B-SF | | | | | | | | | |
| 1W1-RW515-B- 1 | | | | | | | | | |
| | -2 | | | | | | | | |
| | -5 | | | | | | | | |
| 1W1-RW515 ABT-A-SF | | | | | | ✓ | ✓ | | |

| | | |
|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) Ken Hulsey | Date/Time 3-8-01 |
| Special Instructions: | | |

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**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

64092

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 1 of 9

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, Ste 127A
Irvine, CA 92618
PROJECT NAME 202887-01
CALTRANS / I-10 HOV / Soil Sampling

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes ____ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ____ 24 Hr. ____
Regular ____ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W6-RW547- | A-SF Soil Sample | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| | -1 | | | | | | | | |
| | -2 | | | | | | | | |
| | -5 | | | | | | | | |
| 3W6-RW547 - | B-SF | | | | | | | | |
| | -1 | | | | | | | | |
| | -2 | | | | | | | | |
| | -5 | | | | | | | | |
| 3W2 - A | -SF | | | | | | | | |
| | -1 | | | | | | | | |
| | -2 | | | | | | | | |
| IW1-J-SF | | | | | | | | | |
| -1 | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| | | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) Ken Nunley | Date/Time 3-8-01 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69063
REPORTED 04/03/2001
RECEIVED 03/08/2001

PROJECT CalTrans / I-10

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250623 | 3W7-RW591ABT-A-SF |
| 250624 | 3W7-RW591ABT-A-1.0 |
| 250625 | 3W7-RW587ABT-D-SF |
| 250626 | 3W7-RW587ABT-D-1.0 |
| 250627 | 3W7-RW587ABT-D-2.0 |
| 250628 | 3W7-RW587ABT-D-5.0 |
| 250629 | 3W7-RW587-C-SF |
| 250630 | 3W7-RW587-C-1.0 |
| 250631 | 3W7-RW587-C-2.0 |
| 250632 | 3W7-RW591-D-SF |
| 250633 | 3W7-RW591-D-1.0 |
| 250634 | 3W7-RW591-D-2.0 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69063

REPORTED 04/03/2001

RECEIVED 03/08/2001

PROJECT CalTrans / I-10

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250635 | 3W7-RW591-C-SF |
| 250636 | 3W7-RW591-C-1.0 |
| 250637 | 3W7-RW591-C-2.0 |
| 250638 | 3W7-RW591-C-3.0 |
| 250639 | 3W7-RW591-B-SF |
| 250640 | 3W7-RW591-B-1.0 |
| 250641 | 3W7-RW591-B-2.0 |
| 250642 | 4E1-RW20-C-SF |
| 250643 | 4E1-RW20-C-1 |
| 250644 | 4E1-RW20-C-2 |
| 250645 | 4E1-RW20-B-SF |
| 250646 | 4E1-RW20-B-1 |
| 250647 | 4E1-RW20-B-2 |
| 250648 | 4E1-RW20-D-SF |
| 250649 | 4E1-RW20-D-1 |
| 250650 | 4E1-RW20-D-2 |
| 250651 | 4E1-RW20-C-5 |
| 250652 | 4E1-RW20-B-5 |
| 250653 | 4E1-RW20-D-5 |
| 250654 | 4E2-C-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69063

REPORTED 04/03/2001

RECEIVED 03/08/2001

PROJECT CalTrans / I-10

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250655 | 4E2-C-1 |
| 250656 | 4E2-C-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 250623 **Client Sample ID:** 3W7-RW591ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 61.4 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.35 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250624 **Client Sample ID:** 3W7-RW591ABT-A-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250625 **Client Sample ID:** 3W7-RW587ABT-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 224 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 13.8 | 0.4 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250626 **Client Sample ID:** 3W7-RW587ABT-D-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 173 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 13.8 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250627 **Client Sample ID:** 3W7-RW587ABT-D-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 33 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250628 **Client Sample ID:** 3W7-RW587ABT-D-5.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 11.7 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250629 **Client Sample ID:** 3W7-RW587-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 175 | 10.0 | mg/Kg | 03/16/01 | NK |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 13.1 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250630 **Client Sample ID:** 3W7-RW587-C-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 207 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 15.2 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250631 **Client Sample ID:** 3W7-RW587-C-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 199 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.82 | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250632 **Client Sample ID:** 3W7-RW591-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 184 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 11.7 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250633 **Client Sample ID:** 3W7-RW591-D-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 95.3 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.80 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250634 **Client Sample ID:** 3W7-RW591-D-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.85 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 32.4 | 10.0 | mg/Kg | 03/16/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250635 **Client Sample ID:** 3W7-RW591-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 18.0 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250636 **Client Sample ID:** 3W7-RW591-C-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 127 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 6.19 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250637 **Client Sample ID:** 3W7-RW591-C-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 98.4 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 8.08 | 0.2 | mg/L | 03/29/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250639 **Client Sample ID:** 3W7-RW591-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 208 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 13.0 | 0.4 | mg/L | 03/29/01 NK |

**Order #:** 250640 **Client Sample ID:** 3W7-RW591-B-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 202 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 11.8 | 0.4 | mg/L | 03/29/01 NK |

**Order #:** 250641 **Client Sample ID:** 3W7-RW591-B-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.38 | | NA | 03/16/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 2.60 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250642 **Client Sample ID:** 4E1-RW20-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250643 **Client Sample ID:** 4E1-RW20-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250644 **Client Sample ID:** 4E1-RW20-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250645 **Client Sample ID:** 4E1-RW20-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.95 | | NA | 03/16/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 27.0 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250646 **Client Sample ID:** 4E1-RW20-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 13.7 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250647 **Client Sample ID:** 4E1-RW20-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250648 **Client Sample ID:** 4E1-RW20-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 35.4 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250649 **Client Sample ID:** 4E1-RW20-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.90 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250650 **Client Sample ID:** 4E1-RW20-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 13.3 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250651 **Client Sample ID:** 4E1-RW20-C-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250652 **Client Sample ID:** 4E1-RW20-B-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250653 **Client Sample ID:** 4E1-RW20-D-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250654 **Client Sample ID:** 4E2-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 62.0 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.03 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250655 **Client Sample ID:** 4E2-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 22.8 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250656 **Client Sample ID:** 4E2-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 16.8 | 10.0 | mg/Kg | 03/16/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69063 - 250632

Matrix: SOLID

Prep. Date: 03/13/01

Analysis Date: 03/16/01

ID#'s in Batch: LR 69063

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 184.00 | | 187.00 | | 1.6 | 91.6 | 286.0 | 111.4 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 97.0 | 105.0 | 108.2 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 97.6 | 111.0 | 113.7 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031301SO567 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 109 | 100 | 109.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 115 | 100 | 115.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 108 | 100 | 108.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69055 - 250387

Matrix: STLC

Prep. Date: 03/26/01

Analysis Date: 03/29/01

Lab ID#'s in Batch: LR 69055, 69063

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 3.54 | | 2 | 5.32 | 5.47 | 89.0 | 96.5 | 2.8 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69063 - 250640

Matrix: STLC (DI)

Prep. Date: 04/02/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 69063

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 10 | U | 2 | 2.05 | 2.05 | NC | NC | 0.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

(2)

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69063

## CHAIN OF CUSTODY RECORD

Date Feb 0801 Page 30 of _____

CLIENT Ninyo & Moore

ADDRESS _____

Job # 202887-01

PROJECT NAME
CALTRANS/I-10

PROJECT MANAGER

PHONE NUMBER

SAMPLERS (Signature) Michael J. LoStracco

Samples Intact Yes ✓ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular ✓ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W7-RW591 ABT-A-SF | Soil Sample | 3-8-01 | | N/A | N/A | | X | 1 | LEAD 7000 SERIES |
| | 1.0 | | | | | | | | |
| X | NOT OBTAINED | | | | | | | | NOT OBTAINED |
| X | NOT OBTAINED | | | | | | | | NOT OBTAINED |
| 3W7-RW587 ABT-D | | | | | | | | | |
| | 1.0 | | | | | | | | |
| | 2.0 | | | | | | | | |
| | 5.0 | | | | | | | | Good |
| 3W7-RW587-C-SF | | | | | | | | | |
| | 1.0 | | | | | | | | |
| | 2.0 | | | | | | | | |
| X | NOT OBTAINED | | | | | | | | NOT OBTAINED. |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| F. Lau | [signature] | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time |
| | [signature] | 3-8-01 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

F. Lau

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69063

# CHAIN OF CUSTODY RECORD

Date ~~Feb~~ MAR 08 01 Page 31 of ____

CLIENT ____
ADDRESS ____
Job# 202887-01
PROJECT NAME
CALTRANS/I-10

PROJECT MANAGER
PHONE NUMBER
SAMPLERS: (Signature) Michael J. LeDuc / Michael LeStrace

Samples Intact Yes ____ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ____ 24 Hr. ____
Regular ____ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W7-RW591-D-SF | Soil Sample | 3-8-01 | | N/A | N/A | | X | 1 | LEAD 7000 SERIES |
| | -1.0 | | | | | | | | |
| | -2.0 | | | | | | | | |
| ~~3W7-RW591-D~~ N/A | | | | | | | | | NOT OBTAINED |
| 3W7-RW591-C-SF | | | | | | | | | |
| | 1.0 | | | | | | | | |
| | 2.0 | | | | | | | | |
| | 3.0 | | | | | | | | HOLD |
| 3W7-RW591-B-SF | | | | | | | | | |
| | 1.0 | | | | | | | | |
| | 2.0 | | | | | | | | |
| N/A | NONE | | | | | | | | NOT OBTAINED |

10

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) Ken Mussey | Date/Time 3-8-2001 |

Special Instructions:

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[signature]

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# ASSOCIATED LABORATORIES

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69063

## CHAIN OF CUSTODY RECORD

Date 3/8/01 Page ~~3 of 3~~

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo Rd, Ste 123-A
Irvine, CA 92618
PROJECT NAME

PROJECT MANAGER David Shaleit
PHONE NUMBER 949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| SF HEI-RW20-C | Soil SAMPLE | 3/8/01 | | | | X | 1 | | LEAD 7000 SERIES |
| -1 | | | | | | X | 1 | | |
| -2 | | | | | | X | 1 | | |
| SF HEI-RW20-B | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| -2 | | | | | | X | 1 | | |
| SF HEI-RW20-D | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| -2 | | | | | | X | 1 | | |
| HEI-RW20-C -5 | | | | | | X | 1 | | |
| HEI-RW20-B -5 | | | | | | X | 1 | | |
| HEI-RW20-D -5 | | | | | | X | 1 | | |
| | | | | | | | | | |

Relinquished by: (Signature) F. L
Received by: (Signature)
Date/Time 3-8-01

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature)
Date/Time 3-8-01

Special Instructions:

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F. L

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# ASSOCIATED LABORATORIES

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## CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 33 of 57

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO RD, STE 123A
IRVINE CA 92618
PROJECT NAME

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature) Vince Hunt

Samples Intact Yes ____ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ____ 24 Hr. ____
Regular ✓ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 4E2-C SF | SOIL SAMPLE | 3/8/01 | | | | X | 1 | | LEAD 7000 SERIES |
| -1 | 1 | 1 | | | | X | 1 | | 1 |
| -2 | 1 | 1 | | | | X | 1 | | 1 |
| | | | | | | | | | |
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Relinquished by: (Signature) [signature]
Received by: (Signature) [signature] Date/Time 3-8-01

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature) [signature] Date/Time 3-8-01

Special Instructions:

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[signature]

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**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69153
REPORTED 04/03/2001
RECEIVED 03/09/2001

PROJECT #202887-01
I-10/CalTrans/Lead Invest.

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251203 | 6E1-F-1 |
| 251204 | 6E1-F-2 |
| 251205 | 6E1-G-SF |
| 251206 | 6E1-G-1 |
| 251207 | 6E1-G-2 |
| 251208 | 6E1-H-SF |
| 251209 | 6E1-H-1 |
| 251210 | 6E1-H-2 |
| 251211 | 6E1-I-SF |
| 251212 | 6E1-I-1 |
| 251213 | 6E1-I-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69153

REPORTED 04/03/2001

RECEIVED 03/09/2001

PROJECT #202887-01
I-10/CalTrans/Lead Invest.

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251214 | 6E1-J-SF |
| 251215 | 6E1-J-1 |
| 251216 | 2E1-A-SF |
| 251217 | 2E1-A-1 |
| 251218 | 2E1-A-2 |
| 251219 | 2E1-B-SF |
| 251220 | 2E1-B-1 |
| 251221 | 2E1-B-2 |
| 251222 | 2E1-C-SF |
| 251223 | 2E1-C-1 |
| 251224 | 2E1-C-2 |
| 251225 | 2E1-D-SF |
| 251226 | 2E1-D-1 |
| 251227 | 2E1-D-2 |
| 251228 | 2E1-E-SF |
| 251229 | 3W5-C-SF |
| 251230 | 3W5-C-1 |
| 251231 | 3W5-C-2 |
| 251232 | 3W5-B-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

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Vice President

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REPORTED 04/03/2001

RECEIVED 03/09/2001

PROJECT #202887-01
I-10/CalTrans/Lead Invest.

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251233 | 3W5-B-1 |
| 251234 | 3W5-B-2 |
| 251235 | 3W5-A-SF |
| 251236 | 3W5-A-1 |
| 251237 | 3W5-A-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 251203 **Client Sample ID:** 6E1-F-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 73.4 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.76 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251204 **Client Sample ID:** 6E1-F-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 81.1 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.54 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251205 **Client Sample ID:** 6E1-G-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 44.5 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251206 **Client Sample ID:** 6E1-G-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 73.4 | 10.0 | mg/Kg | 03/15/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.39 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251207 **Client Sample ID:** 6E1-G-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 45.5 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251208 **Client Sample ID:** 6E1-H-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 27.4 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251209 **Client Sample ID:** 6E1-H-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 69.2 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.43 | 0.2 | mg/L | 03/23/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251210 **Client Sample ID:** 6E1-H-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 108 | 10.0 | mg/Kg | 03/15/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.72 | 0.2 | mg/L | 03/23/01 NK |

**Order #:** 251211 **Client Sample ID:** 6E1-I-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 39.8 | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 251212 **Client Sample ID:** 6E1-I-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 30.6 | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 251213 **Client Sample ID:** 6E1-I-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 20.3 | 10.0 | mg/Kg | 03/15/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251214 **Client Sample ID:** 6E1-J-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.47 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 33.6 | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 251215 **Client Sample ID:** 6E1-J-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 62.0 | 10.0 | mg/Kg | 03/15/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.45 | 0.2 | mg/L | 03/23/01 NK |

**Order #:** 251216 **Client Sample ID:** 2E1-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 194 | 10.0 | mg/Kg | 03/15/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 8.57 | 0.2 | mg/L | 03/23/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251217 **Client Sample ID:** 2E1-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.47 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 91.3 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.49 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251218 **Client Sample ID:** 2E1-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 72.5 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.85 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251219 **Client Sample ID:** 2E1-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251220 **Client Sample ID:** 2E1-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 21.0 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251221 **Client Sample ID:** 2E1-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251222 **Client Sample ID:** 2E1-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 58.2 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.36 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251223 **Client Sample ID:** 2E1-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 40.5 | 10.0 | mg/Kg | 03/15/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251224 **Client Sample ID:** 2E1-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 34.0 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251225 **Client Sample ID:** 2E1-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 57.3 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.22 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251226 **Client Sample ID:** 2E1-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 27.8 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251227 **Client Sample ID:** 2E1-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 84.4 | 10.0 | mg/Kg | 03/15/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 7.37 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251228 **Client Sample ID:** 2E1-E-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 37.3 | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251229 **Client Sample ID:** 3W5-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 182 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.21 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.74 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251230 **Client Sample ID:** 3W5-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.49 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**
DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251231 **Client Sample ID:** 3W5-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 251232 **Client Sample ID:** 3W5-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 10.4 | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 251233 **Client Sample ID:** 3W5-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 NK |

**Order #:** 251234 **Client Sample ID:** 3W5-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251235 **Client Sample ID:** 3W5-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 134 | 10.0 | mg/Kg | 03/15/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.68 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 251236 **Client Sample ID:** 3W5-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 | NK |

**Order #:** 251237 **Client Sample ID:** 3W5-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/15/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69092 - 250749

Matrix: STLC (DI)

Prep. Date: 04/02/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 69092, 69153

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.31 | | 2 | 2.40 | 2.46 | 120.0 | 123.0 | 2.5 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69153 - 251218

Matrix: STLC

Prep. Date: 03/20/01

Analysis Date: 03/23/01

Lab ID#'s in Batch: LR 69153

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 1.85 | | 2 | 3.42 | 3.47 | 78.5 | 81.0 | 1.5 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69153 - 251210

Matrix: SOLID

Prep. Date: 03/14/01

Analysis Date: 03/15/01

ID#'s in Batch: LR 69153

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 108.00 | | 106.00 | | 1.9 | 95.8 | 212.0 | 108.6 |
| Lead | 7420 | 20.90 | | 20.60 | | 1.4 | 95.1 | 116.0 | 100.0 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 96.3 | 105.0 | 109.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031401SO11-12-13 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 104 | 100 | 104.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 103 | 100 | 103.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 97 | 100 | 97.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 17 of _____

LA9153

CLIENT Ninyo + Moore
ADDRESS 5272 Jeronimo Rd, #211
Irvine, CA, 92618
PROJECT NAME 202857-01
I-10 Caltrans, Lead Invest

PROJECT MANAGER D. Skaler
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature) F. [signature]

Samples Intact Yes X No _____
County Seals Intact Yes _____ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular X 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 6E1-F-1 | | 3/9/01 | | | | X | 1 | | Lead 7000 Series |
| 6E1-F-2 | | | | | | | | | |
| 6E1-G-SF | | | | | | | | | |
| @ 6E1-G-1 | | | | | | | | | |
| 6E1-G-2 | | | | | | | | | |
| 6E1-H-SF | | | | | | | | | |
| 6E1-H-1 | | | | | | | | | |
| 6E1-H-2 | | | | | | | | | |
| 6E1-I-SF | | | | | | | | | |
| 6E1-I-1 | | | | | | | | | |
| 6E1-I-2 | | | | | | | | | |
| 6E1-J-SF | | | | | | | | | |
| 6E1-J-1 | | | | | | | | | |

| | | |
|---|---|---|
| Relinquished by: (Signature) F. [signature] | Received by: (Signature) [signature] | Date/Time 3-9-01 4 PM |
| Relinquished by: (Signature) [signature] | Received by Laboratory for analysis: (Signature) Ken Mulsq | Date/Time 6-9-01 1700 |
| Special Instructions: | | |

I hereby autorize the performance of the above indicated work.

F. [signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 18 of ____

69153

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Road, 123A
Irvine, CA 92618
PROJECT NAME 202887-01
1-101 Caltrans, Lead Invest.

PROJECT MANAGER D. Shaler
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature) F. [signature]

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2E1-A-SF | | 3/9/01 | | | | X | 1 | | Lead 7000 Series |
| " "-1 | | | | | | | | | |
| " "-2 | | | | | | | | | |
| 2E1-B-SF | | | | | | | | | |
| " "-1 | | | | | | | | | |
| " "-2 | | | | | | | | | |
| 2E1-C-SF | | | | | | | | | |
| " "-1 | | | | | | | | | |
| " "-2 | | | | | | | | | |
| 2E1-D-SF | | | | | | | | | |
| " "-1 | | | | | | | | | |
| " "-2 | | | | | | | | | |
| 2E1-E-SF | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| F. [signature] | LaVonne Jones | 3-9-01 4 DN |
| Relinquished by: (Signature) LaVonne Jones | Received by Laboratory for analysis: (Signature) [signature] | Date/Time 3-9-01 1700 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

F. [signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

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## CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 19 of _____

69153

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, 123A
Irvine, CA 92618

PROJECT NAME 202887-01

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) Steve Rau

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W5-C-SF | | 3-9-01 | | | | X | 1 | | Lead 7000 Series |
| -1 | | ↓ | | | | X | 1 | | ↓ |
| -2 | | | | | | X | 1 | | |
| 3W5-B-SF | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| -2 | | | | | | X | 1 | | |
| 3W5-A-SF | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| -2 | | ↓ | | | | X | 1 | | ↓ |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Relinquished by: (Signature) Steve Rau
Received by: (Signature) LaVon Jones
Date/Time 3-9-01

Relinquished by: (Signature) LaVon Jones
Received by Laboratory for analysis: (Signature) Ken Twist
Date/Time 1700 3-9-01

Special Instructions:

I hereby autorize the performance of the above indicated work.

Steve Rau

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68941
REPORTED 04/05/2001
RECEIVED 03/07/2001

PROJECT CalTrans I-10 Lead Investigation

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249768, 783 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249762 | 3E2-A-SF |
| 249763 | 3E2-A-1 |
| 249764 | 3E2-A-2 |
| 249765 | 3E1-RW496-ABT-A-SF |
| 249766 | 3E1-RW496-ABT-A-1 |
| 249767 | 3E1-RW496-ABT-A-2 |
| 249768 | 3E1-RW496-B-SF |
| 249769 | 3E1-RW496-B-1 |
| 249770 | 3E1-RW496-B-2 |
| 249771 | 3E1-RW496-B-5 |
| 249772 | 3E1-A-SF |
| 249773 | 3E1-A-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Chemical*
*Microbiological*
*Environmental*

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ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68941

REPORTED 04/05/2001

RECEIVED 03/07/2001

PROJECT CalTrans I-10 Lead Investigation

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249768, 783 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249774 | 3E1-A-2 |
| 249775 | 3E1-B-SF |
| 249776 | 3E1-B-1 |
| 249777 | 3E1-B-2 |
| 249778 | 3E1-RW496-C-SF |
| 249779 | 3E1-RW496-C-1 |
| 249780 | 3E1-RW496-C-2 |
| 249781 | 3E1-RW496-C-5 |
| 249782 | 3E1-RW496-D-SF |
| 249783 | 3E1-RW496-D-1 |
| 249784 | 3E1-RW496-D-2 |
| 249785 | 3E1-RW496-D-5 |
| 249786 | 4E2-B-SF |
| 249787 | 4E2-B-1 |
| 249788 | 4E2-B-2 |
| 249789 | 6E1-RW544-D-SF |
| 249790 | 6E1-RW544-D-1 |
| 249791 | 6E1-RW544-D-2 |
| 249792 | 7E3A-SF |
| 249793 | 7E3A-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

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Vice President

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*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68941

REPORTED 04/05/2001

RECEIVED 03/07/2001

PROJECT CalTrans I-10 Lead Investigation

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249768, 783 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249794 | 7E3A-2 |
| 249795 | 6E1-D-SF |
| 249796 | 6E1-D-1 |
| 249797 | 6E1-D-2 |
| 249798 | 6E1-C-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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**Order #:** 249762 **Client Sample ID:** 3E2-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.08 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 583 | 20.0 | mg/Kg | 03/12/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/12/01 HN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 25.9 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249763 **Client Sample ID:** 3E2-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249764 **Client Sample ID:** 3E2-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 17.4 | 10.0 | mg/Kg | 03/12/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249765 **Client Sample ID:** 3E1-RW496-ABT-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 235 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/12/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 20.0 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249766 **Client Sample ID:** 3E1-RW496-ABT-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 42.5 | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249767 **Client Sample ID:** 3E1-RW496-ABT-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 16.7 | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249768 **Client Sample ID:** 3E1-RW496-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**1311/7420 TCLP Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead TCLP | 1.12 | 0.1 | mg/L | 04/19/01 | NK |

**150.1 pH**

| | | | | | |
|---|---|---|---|---|---|
| pH | 6.70 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,910 | 100.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249769 **Client Sample ID:** 3E1-RW496-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 151 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.90 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249770 **Client Sample ID:** 3E1-RW496-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 30.5 | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249771 **Client Sample ID:** 3E1-RW496-B-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249772 **Client Sample ID:** 3E1-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 11.4 | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249773 **Client Sample ID:** 3E1-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.09 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249774 **Client Sample ID:** 3E1-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249775 **Client Sample ID:** 3E1-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 64.8 | 10.0 | mg/Kg | 03/12/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.88 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249776 **Client Sample ID:** 3E1-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 15.7 | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249777 **Client Sample ID:** 3E1-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249778 **Client Sample ID:** 3E1-RW496-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 722 | 20.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.30 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 46.5 | 2.0 | mg/L | 04/02/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249779 **Client Sample ID:** 3E1-RW496-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 27.9 | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249780 **Client Sample ID:** 3E1-RW496-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 631 | 20.0 | mg/Kg | 03/12/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.42 | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 38.9 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249781 **Client Sample ID:** 3E1-RW496-C-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 11.6 | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249782 **Client Sample ID:** 3E1-RW496-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,390 | 100.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249783 **Client Sample ID:** 3E1-RW496-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 3.71 | 0.1 | mg/L | 04/19/01 | NK |
| **150.1 pH** | | | | | |
| pH | 7.35 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,130 | 100.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249784 **Client Sample ID:** 3E1-RW496-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 725 | 20.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.29 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 31.2 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249785 **Client Sample ID:** 3E1-RW496-D-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 97.7 | 10.0 | mg/Kg | 03/12/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.12 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249786 **Client Sample ID:** 4E2-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 162 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.32 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.09 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249787 **Client Sample ID:** 4E2-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249788 **Client Sample ID:** 4E2-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249789 **Client Sample ID:** 6E1-RW544-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 367 | 10.0 | mg/Kg | 03/12/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.26 | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 13.1 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249790 **Client Sample ID:** 6E1-RW544-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 75.1 | 10.0 | mg/Kg | 03/12/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.18 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249791 **Client Sample ID:** 6E1-RW544-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 10.4 | 10.0 | mg/Kg | 03/12/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249792 **Client Sample ID:** 7E3A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 214 | 10.0 | mg/Kg | 03/12/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.33 | 0.2 | mg/L | 04/09/10 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.90 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249793 **Client Sample ID:** 7E3A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 41.4 | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249794 **Client Sample ID:** 7E3A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 15.0 | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249795 **Client Sample ID:** 6E1-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 410 | 10.0 | mg/Kg | 03/12/01 | NK |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.22 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 17.4 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249796 **Client Sample ID:** 6E1-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 335 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.2 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249797 **Client Sample ID:** 6E1-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 29.9 | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249798 **Client Sample ID:** 6E1-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 884 | 20.0 | mg/Kg | 03/12/01 | NK |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 1.17 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 48.6 | 2.0 | mg/L | 04/02/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250806

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69058, 69093, 68919, 68921, 68970, 68974, 68941

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 6.84 | | 2.0 | 9.10 | 9.14 | 113.0 | 115.0 | 0.4 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP2 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.210 | 2 | 110.5 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68941 - 249769

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 68941

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.37 | 2.28 | 118.5 | 114.0 | 3.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 68941 - 249777

Matrix: SOLID

Prep. Date: 03/09/01

Analysis Date: 03/12/01

ID#'s in Batch: LR 68941

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 99.0 | 96.0 | 97.0 |
| Lead | 7420 | 725.00 | | 736.00 | | 1.5 | 97.9 | 708.0 | 17.4 |
| Lead | 7420 | 410.00 | | 400.00 | | 2.5 | 96.9 | 465.0 | 56.8 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H030901SO567 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 102 | 100 | 102.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 102 | 100 | 102.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 105 | 100 | 105.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68941 - 249785

Matrix: STLC

Prep. Date: 04/02/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 68941, 68974

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 3.12 | | 2 | 4.63 | 4.62 | 75.5 | 75.0 | 0.2 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

(1)

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

L089411

## CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 1 of 5

CLIENT ~~CALTRANS~~ Ninyo & Moore
ADDRESS 9272 Jeronimo Rd
Irvine, CA

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

PROJECT NAME
CALTRANS I-10 LEAD INVESTIGATION

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3E2-A-SF | I-10 ONRAMP - GRANADA AVE | 3/7/01 | | | | X | 1 | Pb | Lead 7000 |
| 3E2-A-1 | | | | | | X | 1 | Pb | |
| 3E2-A-2 | | | | | | X | 1 | Pb | |
| 3E1-RW496-ABT-A-SF | | | | | | X | 1 | Pb | |
| 3E1-RW496-ABT-A-1 | | | | | | X | 1 | Pb | |
| 3E1-RW496-ABT-A-2 | | | | | | X | 1 | Pb | |
| 3E1-RW496-B-SF | | | | | | X | 1 | Pb | |
| 3E1-RW496-B-1 | | | | | | X | 1 | Pb | |
| 3E1-RW496-B-2 | | | | | | X | 1 | Pb | |
| 3E1-RW496-B-5 | | | | | | X | 1 | Pb | |
| 3E1-A-SF | | | | | | X | 1 | Pb | |
| 3E1-A-1 | | | | | | X | 1 | Pb | |
| 3E1-A-2 | | | | | | X | 1 | Pb | |

Relinquished by: (Signature) Received by: (Signature) Date/Time 3-7-01 1PM

Relinquished by: (Signature) Received by Laboratory for analysis: (Signature) Date/Time 3-7-01

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

L8941

# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 2 of 3

CLIENT CALTRANS Ninyo + Moore
ADDRESS 9272 Jeronimo Rd
Irvine, CA
PROJECT NAME CALTRANS I-10 LEAD INVESTIGATION
PROJECT MANAGER DAVID SHAFER
PHONE NUMBER 949 472 5744
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3E1-B-SF | I-10 ONRAMP - GRANADA AVE | 3/7/01 | | | | X | 1 | Pb | Lead 7000 |
| 3E1-B-1 | | | | | | X | 1 | Pb | |
| 3E1-B-2 | | | | | | X | 1 | Pb | |
| 3E1-RW 496-C-SF | | | | | | X | 1 | Pb | |
| 3E1-RW 496-C-1 | | | | | | X | 1 | Pb | |
| 3E1-RW 496-C-2 | | | | | | X | 1 | Pb | |
| 3E1-RW 496-C-5 | | | | | | X | 1 | Pb | |
| 3E1-RW 496-D-SF | | | | | | X | 1 | Pb | |
| 3E1-RW 496-D-1 | | | | | | X | 1 | Pb | |
| 3E1-RW 496-D-2 | | | | | | X | 1 | Pb | |
| 3E1-RW 496-D-5 | | | | | | X | 1 | PB | |

Relinquished by: (Signature)
Received by: (Signature)
Date/Time 3-7-01 1024

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature)
Date/Time 3-7-01

Special Instructions:

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DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

68941

# CHAIN OF CUSTODY RECORD

Date 3-7-01 Page 3 of 5

CLIENT ~~CALTRANS~~ Ninyo + Moore
ADDRESS 9272 Jeronimo Rd
Irvine, CA

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) [signature]

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

PROJECT NAME CALTRANS I-10 LEAD INVESTIGATION

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 4E2-B-SF | I-10 OFFRAMP PECK ST. | 3-7-01 | | | | X | 1 | Pb | Lead 7000 |
| 4E2-B-1 | | | | | | X | 1 | Pb | |
| 4E2-B-2 | | | | | | X | 1 | Pb | |
| 6E1-RW544-D-SF | I-10 EASTBOUND | | | | | X | 1 | Pb | |
| 6E1-RW544-D-1 | | | | | | X | 1 | Pb | |
| 6E1-RW544-D-2 | | | | | | X | 1 | Pb | |
| 7E3A-SF | | 3/7/01 | | | | X | 1 | Pb | |
| 7E3A-1 | | 3/7/01 | | | | X | 1 | Pb | |
| 7E3A-2 | | 3/7/01 | | | | X | 1 | Pb | |
| 6E1-D-SF | | 3/7/01 | | | | X | 1 | Pb | |
| 6E1-D-1 | | 3/7/01 | | | | X | 1 | Pb | |
| 6E1-D-2 | | 3/7/01 | | | | X | 1 | Pb | |
| 6E1-CSF | | 3/7/01 | | | | X | 1 | Pb | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-7-01 5:PM |
| Relinquished by: (Signature) [signature] | Received by Laboratory for analysis: (Signature) [signature] | Date/Time 3-7-01 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

[signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900*
*FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68919
REPORTED 04/05/2001
RECEIVED 03/07/2001

PROJECT #202887-01

SUBMITTER Client

COMMENTS Added TLCP Lead to order #249622, 623, 627 on 4/12/01.
Added pH to order #249618, 623, 631, 633 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249600 | 1E-RW64-A-SF |
| 249601 | 1E-RW64-A-1.0 |
| 249602 | 1E-RW-64-A-2.0 |
| 249603 | 1E-RW64-B-SF |
| 249604 | 1E-RW64-B-1.0 |
| 249605 | 1E-RW64-B-2.0 |
| 249606 | 1E-RW64-C-SF |
| 249607 | 1E-RW64-C-1.0 |
| 249608 | 1E-RW64-C-2.0 |
| 249609 | 1E-RW64-C-5.0 |
| 249610 | 1E-RW64-ABT-D-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68919

REPORTED 04/05/2001

RECEIVED 03/07/2001

PROJECT #202887-01

SUBMITTER Client

COMMENTS Added TLCP Lead to order #249622, 623, 627 on 4/12/01.
Added pH to order #249618, 623, 631, 633 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249611 | 1E-RW64-ABT-D-1.0 |
| 249612 | 1E-RW64-ABT-D-2.0 |
| 249613 | 1E-RW64-B-5.0 |
| 249614 | 1E-RW64-ABT-D-5.0 |
| 249615 | 1E-3-D-SF |
| 249616 | 1E-3-D-1.0 |
| 249617 | 1E-3-D-2.0 |
| 249618 | 5EI-RW530-ABT-A-SF |
| 249619 | 5EI-RW530-ABT-A-1.0 |
| 249620 | 5EI-RW530-ABT-A-2.0 |
| 249621 | 5EI-RW530-ABT-A-3.0 |
| 249622 | 5EI-RW530-B-SF |
| 249623 | 5EI-RW530-B-1.0 |
| 249624 | 5EI-RW530-B-2.0 |
| 249625 | 5EI-RW530-B-3.0 |
| 249626 | 5EI-A-SF |
| 249627 | 5EI-A-1.0 |
| 249628 | 5EI-A-2.0 |
| 249629 | 5EI-RW530-C-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68919

REPORTED 04/05/2001

RECEIVED 03/07/2001

PROJECT #202887-01

SUBMITTER Client

COMMENTS Added TLCP Lead to order #249622, 623, 627 on 4/12/01.
Added pH to order #249618, 623, 631, 633 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249630 | 5EI-RW530-C-1.0 |
| 249631 | 5EI-RW530-C-2.0 |
| 249632 | 5EI-RW530-C-3.0 |
| 249633 | 5EI-RW530-ABT-D-SF |
| 249634 | 5EI-RW530-ABT-D-1.0 |
| 249635 | 5EI-RW530-ABT-D-2.0 |
| 249636 | 5EI-RW530-ABT-D-3.0 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 249600 **Client Sample ID:** 1E-RW64-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 09:25

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.40 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 231 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.34 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249601 **Client Sample ID:** 1E-RW64-A-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 09:33

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 13.8 | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249602 **Client Sample ID:** 1E-RW-64-A-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 09:38

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249603 **Client Sample ID:** 1E-RW64-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 09:58

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 227 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.2 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249604 **Client Sample ID:** 1E-RW64-B-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 10:01

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.49 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249605 **Client Sample ID:** 1E-RW64-B-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 10:07

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249606 **Client Sample ID:** 1E-RW64-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 10:20

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.66 | | NA | 03/15/10 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 150 | 10.0 | mg/Kg | 03/12/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 6.50 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249607 **Client Sample ID:** 1E-RW64-C-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 10:25

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 13.3 | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249608 **Client Sample ID:** 1E-RW64-C-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 10:30

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249609 **Client Sample ID:** 1E-RW64-C-5.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 10:40

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249610 **Client Sample ID:** 1E-RW64-ABT-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 11:00

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 196 | 10.0 | mg/Kg | 03/12/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 9.12 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249611 **Client Sample ID:** 1E-RW64-ABT-D-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 11:10

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.26 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 10.6 | 10.0 | mg/Kg | 03/12/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249612 **Client Sample ID:** 1E-RW64-ABT-D-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 11:20

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249613 **Client Sample ID:** 1E-RW64-B-5.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 10:13

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 26.4 | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249614 **Client Sample ID:** 1E-RW64-ABT-D-5.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 11:30

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 31.5 | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249615 **Client Sample ID:** 1E-3-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 11:44

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 433 | 10.0 | mg/Kg | 03/12/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 17.0 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249616 **Client Sample ID:** 1E-3-D-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 11:55

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 117 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.22 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 19.2 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249617 **Client Sample ID:** 1E-3-D-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 12:00

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249618 **Client Sample ID:** 5EI-RW530-ABT-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 13:30

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 5.52 | | NA | 04/17/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 456 | 10.0 | mg/Kg | 03/12/01 | NK |

**7420 DI-STLC Lead by AA**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 18.5 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249619 **Client Sample ID:** 5EI-RW530-ABT-A-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 13:49

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 134 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 12.0 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249620 **Client Sample ID:** 5EI-RW530-ABT-A-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 13:53

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249622 **Client Sample ID:** 5EI-RW530-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:07

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 1.35 | 0.1 | mg/L | 04/19/01 | HN |
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,140 | 100.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249623 **Client Sample ID:** 5EI-RW530-B-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:11

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 1.33 | 0.1 | mg/L | 04/19/01 | HN |
| **150.1 pH** | | | | | |
| pH | 5.95 | | NA | 04/17/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,100 | 100.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249624 **Client Sample ID:** 5EI-RW530-B-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:15

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 251 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.32 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 17.0 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249626 **Client Sample ID:** 5EI-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:28

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 90.4 | 10.0 | mg/Kg | 03/12/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 24.6 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249627 **Client Sample ID:** 5EI-A-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:30

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 12.4 | 1.0 | mg/L | 04/19/01 | HN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,600 | 100.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249628 **Client Sample ID:** 5EI-A-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:33

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 54.5 | 10.0 | mg/Kg | 03/12/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.23 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249629 **Client Sample ID:** 5EI-RW530-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:36

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 808 | 20.0 | mg/Kg | 03/12/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 42.9 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249630 **Client Sample ID:** 5EI-RW530-C-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:40

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 21.0 | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249631 **Client Sample ID:** 5EI-RW530-C-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:50

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.49 | | NA | 04/17/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 | NK |

**Order #:** 249633 **Client Sample ID:** 5EI-RW530-ABT-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 14:57

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 6.27 | | NA | 04/17/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 115 | 10.0 | mg/Kg | 03/12/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 4.83 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249634 **Client Sample ID:** 5EI-RW530-ABT-D-1.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 15:00

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 NK |

**Order #:** 249635 **Client Sample ID:** 5EI-RW530-ABT-D-2.0 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 02/07/2001
**Time Sampled:** 15:05

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/12/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250806

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69058, 69093, 68919, 68921, 68970, 68974

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 6.84 | | 2.0 | 9.10 | 9.14 | 113.0 | 115.0 | 0.4 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP2 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.210 | 2 | 110.5 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 68921 - 249649

Matrix: SOLID

Prep. Date: 03/15/01

Analysis Date: 03/17/01

ID#'s in Batch: LR 68921

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 221.00 | | 215.00 | | 2.8 | 93.4 | 308.0 | 93.1 |
| Lead | 7420 | 0.25 | U | 0.02 | U | 170.4 | 91.2 | 103.0 | 112.9 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 91.0 | 98.3 | 108.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031501SO456 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 197 | 200 | 98.5 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 220 | 200 | 110.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 201 | 200 | 100.5 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68921 - 249645

Matrix: STLC

Prep. Date: 04/03/01

Analysis Date: 04/03/01

Lab ID#'s in Batch: LR 68921

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.51 | | 2 | 4.48 | 4.47 | 98.5 | 98.0 | 0.2 |
| Lead | 7420 | 0.33 | | 2 | 2.07 | 2.07 | 87.0 | 87.0 | 0.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68921 - 249640

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 68921

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.39 | 2.34 | 119.5 | 117.0 | 2.1 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 68919 - 249613

Matrix: SOLID

Prep. Date: 03/09/01

Analysis Date: 03/09/01

ID#'s in Batch: LR 68919, 68988

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 26.40 | | 30.70 | | 15.1 | 92.7 | 121.0 | 102.0 |
| Lead | 7420 | 117.00 | | 165.00 | | 34.0 | 100.0 | 248.0 | 131.0 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 97.6 | 106.0 | 108.6 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 97.7 | 99.7 | 102.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H030901SO1234 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 104 | 100 | 104.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 107 | 100 | 107.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 104 | 100 | 104.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 103 | 100 | 103.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68919 - 249626

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 68919

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.29 | 2.33 | 114.5 | 116.5 | 1.7 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68919 - 249626

Matrix: STLC

Prep. Date: 04/02/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 68919

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 24.6 | | 2 | 26.2 | 27.6 | NC | NC | 5.2 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

(7)

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

68921

## CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 1 of 4

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine, CA 92618
PROJECT NAME # 202887-01
CALTRANS I-10 HOV SOIL SAMPLING

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| IE2-A-SF | Soil Sample | 3/7/01 | | | | X | 1 | | Lead 7000 Series |
| " -1 | | " | | | | " | " | | " |
| " -2 | | " | | | | " | " | | " |
| IE2-B-SF | | " | | | | " | " | | " |
| " -1 | | " | | | | " | " | | " |
| " -2 | | " | | | | " | " | | " |
| IE1-B-SF | | " | | | | " | " | | " |
| IE1-B-1 | | " | | | | " | " | | " |
| " -2 | | " | | | | " | " | | " |
| IE3-A-SF | | " | | | | " | " | | " |
| " -1 | | " | | | | " | " | | " |
| " -2 | | " | | | | " | " | | " |
| IE3-B-SF | | " | | | | " | " | | " |

Relinquished by: (Signature)

Received by: (Signature) Laura Jones

Date/Time 3-7-01 5:00

Relinquished by: (Signature) Laura Jones

Received by Laboratory for analysis: (Signature) Albert Vargas

Date/Time 3-7-01

Special Instructions:

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# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 2 of 4

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine, CA 92618
PROJECT NAME/# 202887-01
CALTRANS / I-10 HOV / SOIL SAMPLING

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| E3-B-1 | SOIL SAMPLE | 3/7/01 | | | | X | 1 | | Lead 7000 Series |
| ↓ -2 | | | | | | | | | |
| ~~3E3-504~~ RW504 ABT-A-SF | | | | | | | | | |
| BE3-RW504ABT-A-1 | | | | | | | | | |
| -2 | | | | | | | | | |
| BE3-RW504-B-SF | | | | | | | | | |
| ↓ -1 | | | | | | | | | |
| -2 | | | | | | | | | |
| BE3-RW504-C-SF | | | | | | | | | |
| -1 | | | | | | | | | |
| -2 | | | | | | | | | |
| BE3-RW504-D-SF | | | | | | | | | |
| ↓ -1 | | | | | | | | | |

Relinquished by: (Signature)
Relinquished by: (Signature)
Special Instructions:

Received by: (Signature)
Received by Laboratory for analysis: (Signature)

Date/Time 3-7-01 5:10 PM
Date/Time 3-7-01

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CHAIN OF CUSTODY RECORD
Date 3/07/01 Page 3 of 4

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO RD. STE. 123A
IRVINE CA. 92618
PROJECT NAME 202887-01
CALTRANS / I-10 HOV / SOIL SAMPLING

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) Steve Ro

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 4E2-RW524-D-SF | SOIL SAMPLES | 3/7/01 | | | | X | 1 | | LEAD 7000 SERIES |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 3' | | | | | | | | | |
| 4E2-F-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 7E3-RW586-A-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 5' | | | | | | | | | |
| 8E3-RW586-B-SF | | | | | | | | | |
| 1' | | | | | | | | | |

Relinquished by: (Signature) Steve Ro
Received by: (Signature) Kelvin D Jones
Date/Time 3-7-01 @ 1PM

Relinquished by: (Signature) Kelvin D Jones
Received by Laboratory for analysis: (Signature) Albert Vargas
Date/Time 3-7-01

Special Instructions:

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Steve Ro

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## CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 4 of 4

CLIENT NINYO & MOORE

ADDRESS 9272 JERONIMO RD. STE 123A
IRVINE CA. 92618

PROJECT NAME 202887-01
CALTRANS/I-10 HOV/SOIL SAMPLING

PROJECT MANAGER DAVID SHAFER

PHONE NUMBER 949-472-5444

SAMPLERS: (Signature) Stan Rau

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| TE3-RW586-B-2' | SOIL SAMPLES | 3/7/01 | | | | X | 1 | | LEAD 7000 SERIES |
| 4' | | | | | | | | | |
| TE3-RW586-C-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 3.5' | | | | | | | | | |
| TE3-RW586ABT-D-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 5' | | | | | | | | | |

Relinquished by: (Signature) Stan Rau

Received by: (Signature) Louis D Jones

Date/Time 3-7-01 5:1.PM

Relinquished by: (Signature) Louis D Jones J.

Received by Laboratory for analysis: (Signature) Mark Vargas

Date/Time 3-7-01

Special Instructions:

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Stan Rau

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**ASSOCIATED LABORATORIES**
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68974
REPORTED 04/05/2001
RECEIVED 03/07/2001

PROJECT #202887-01
Cal-Trans/1-10 HDV/Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250100, 117, 119, 132 on 4/12/01.
Added pH to order #250120 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250100 | 3E3-A-SF |
| 250101 | 3E3-A-1 |
| 250102 | 3E3-A-2 |
| 250103 | 3E3-RW98-A-SF |
| 250104 | 3E3-RW98-A-1 |
| 250105 | 3E3-RW98-A-2 |
| 250106 | 3E3-RW98-A-5 |
| 250107 | 3E3-B-SF |
| 250108 | 3E3-B-1 |
| 250109 | 3E3-B-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68974

REPORTED 04/05/2001

RECEIVED 03/07/2001

PROJECT #202887-01
Cal-Trans/1-10 HDV/Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250100, 117, 119, 132 on 4/12/01.
Added pH to order #250120 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250110 | 6E1-A-SF |
| 250111 | 6E1-A-1 |
| 250112 | 6E1-A-2 |
| 250113 | 6E1-RW544ABT-A-SF |
| 250114 | 6E1-RW544ABT-A-1 |
| 250115 | 6E1-RW544ABT-A-2 |
| 250116 | 6E1-RW544ABT-A-4.5 |
| 250117 | 6E1-B-SF |
| 250118 | 6E1-B-1 |
| 250119 | 6E1-B-2 |
| 250120 | 6E1-RW544B-SF |
| 250121 | 6E1-RW544B-1 |
| 250122 | 6E1-RW544B-2 |
| 250123 | 6E1-RW544B-4 |
| 250124 | 8E1-RW590-B-SF |
| 250125 | 8E1-RW590-B-1 |
| 250126 | 8E1-RW590-B-2 |
| 250127 | 8E1-RW590-B-3 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68974

REPORTED 04/05/2001

RECEIVED 03/07/2001

PROJECT #202887-01
Cal-Trans/1-10 HDV/Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250100, 117, 119, 132 on 4/12/01.
Added pH to order #250120 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250128 | 8E1-RW590-C-SF |
| 250129 | 8E1-RW590-C-1 |
| 250130 | 8E1-RW590-C-2 |
| 250131 | 8E1-RW590-C-2.5 |
| 250132 | 8E1-RW590-ABT-A-SF |
| 250133 | 8E1-RW590-ABT-A-1 |
| 250134 | 8E1-RW590-ABT-A-1..5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*Environmental*

**Order #:** 250100 **Client Sample ID:** 3E3-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 09:50

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 2.08 | 0.1 | mg/L | 04/17/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,200 | 100.0 | mg/Kg | 03/14/10 | NK |

**Order #:** 250101 **Client Sample ID:** 3E3-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 09:55

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.79 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 50.8 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.07 | 0.2 | mg/L | 03/30/01 | KN |

**Order #:** 250102 **Client Sample ID:** 3E3-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 10:00

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 312 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 14.0 | 0.4 | mg/L | 03/30/01 | KN |

**Order #:** 250103 **Client Sample ID:** 3E3-RW98-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 10:05

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 5.74 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 51.8 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.96 | 0.2 | mg/L | 03/30/01 | KN |

**Order #:** 250104 **Client Sample ID:** 3E3-RW98-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 10:10

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 302 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 14.4 | 0.2 | mg/L | 03/30/01 | KN |

**Order #:** 250105 **Client Sample ID:** 3E3-RW98-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 10:15

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 61.7 | 10.0 | mg/Kg | 03/14/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.33 | 0.2 | mg/L | 03/30/01 | KN |

**Order #:** 250107 **Client Sample ID:** 3E3-B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 10:30

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 38.9 | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250108 **Client Sample ID:** 3E3-B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 10:40

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 46.1 | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250109 **Client Sample ID:** 3E3-B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001
**Time Sampled:** 10:50

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 51.7 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.92 | 0.2 | mg/L | 03/30/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250110 **Client Sample ID:** 6E1-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.44 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 78.6 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 22.1 | 1.0 | mg/L | 03/30/01 KN |

**Order #:** 250111 **Client Sample ID:** 6E1-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 37.9 | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250112 **Client Sample ID:** 6E1-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 28.4 | 10.0 | mg/Kg | 03/14/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250113 **Client Sample ID:** 6E1-RW544ABT-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 249 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 18.6 | 1.0 | mg/L | 03/30/01 | KN |

**Order #:** 250114 **Client Sample ID:** 6E1-RW544ABT-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 363 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.21 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 19.1 | 1.0 | mg/L | 03/30/01 | KN |

**Order #:** 250115 **Client Sample ID:** 6E1-RW544ABT-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 247 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.34 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 19.0 | 0.4 | mg/L | 03/30/01 | KN |

**Order #:** 250116 **Client Sample ID:** 6E1-RW544ABT-A-4.5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 363 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 25.0 | 1.0 | mg/L | 03/30/01 | KN |

**Order #:** 250117 **Client Sample ID:** 6E1-B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 6.00 | 0.1 | mg/L | 04/17/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,060 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250118 **Client Sample ID:** 6E1-B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,930 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250119 **Client Sample ID:** 6E1-B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 8.35 | 0.1 | mg/L | 04/17/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,450 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250120 **Client Sample ID:** 6E1-RW544B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.88 | | NA | 04/17/10 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 603 | 20.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.36 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 39.0 | 1.0 | mg/L | 03/30/01 | KN |

**Order #:** 250121 **Client Sample ID:** 6E1-RW544B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 854 | 20.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.32 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 45.5 | 1.0 | mg/L | 03/30/01 | KN |

**Order #:** 250122 **Client Sample ID:** 6E1-RW544B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 177 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.27 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 11.9 | 0.4 | mg/L | 03/30/01 | KN |

**Order #:** 250123 **Client Sample ID:** 6E1-RW544B-4 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 120 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.70 | 0.2 | mg/L | 03/30/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250124 **Client Sample ID:** 8E1-RW590-B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 671 | 20.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.46 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 34.6 | 1.0 | mg/L | 03/30/01 | KN |

**Order #:** 250125 **Client Sample ID:** 8E1-RW590-B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 85.9 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.98 | 0.2 | mg/L | 03/30/01 | KN |

**Order #:** 250126 **Client Sample ID:** 8E1-RW590-B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 17.0 | 10.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250127 **Client Sample ID:** 8E1-RW590-B-3 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 14.4 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250128 **Client Sample ID:** 8E1-RW590-C-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 472 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 37.4 | 1.0 | mg/L | 03/30/01 | KN |

**Order #:** 250129 **Client Sample ID:** 8E1-RW590-C-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 155 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.28 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 11.8 | 0.4 | mg/L | 03/30/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250130 **Client Sample ID:** 8E1-RW590-C-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 101 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.17 | 0.2 | mg/L | 03/30/01 | KN |

**Order #:** 250131 **Client Sample ID:** 8E1-RW590-C-2.5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 963 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.73 | 0.2 | mg/L | 03/30/01 | KN |

**Order #:** 250132 **Client Sample ID:** 8E1-RW590-ABT-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 0.62 | 0.1 | mg/L | 04/17/01 | NK |
| **150.1 pH** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| pH | 5.32 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,050 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250133 **Client Sample ID:** 8E1-RW590-ABT-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 228 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 12.8 | 2.0 | mg/L | 04/04/01 | NK |

**Order #:** 250134 **Client Sample ID:** 8E1-RW590-ABT-A-1..5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 280 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 16.1 | 0.4 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 68974 - 250129

Matrix: SOLID

Prep. Date: 03/08/01

Analysis Date: 03/13/01

ID#'s in Batch: LR 68974

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 155.0 | | 138.0 | | 11.6 | 97.0 | 207.0 | 53.6 |
| Lead | 7420 | 1454.0 | | 1723.0 | | 16.9 | 97.7 | 1637.0 | NC |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H030801SO67 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 108 | 100 | 108.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 68974 - 250109

Matrix: SOLID

Prep. Date: 03/08/01

Analysis Date: 03/15/01

Lab ID#'s in Batch: LR 68974

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/Kg

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 48.8 | | 91.5 | 141 | 143 | 100.8 | 103.0 | 1.4 |
| Lead | 7420 | 225.0 | | 99.0 | 338 | 345 | 114.1 | 121.2 | 2.0 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H030801SO56 Prep. Metho 3050

LCS Source(s) QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 1ml/100ml

Lab Control Sample (LCS)

| | | | | | | | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | PB | ND |
| Lead | 7420 | 93 | 100 | 93.0 | 80% | 120% | 10 | U |
| Lead | 7420 | 92 | 100 | 92.0 | 80% | 120% | 10 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68941 - 249785

Matrix: STLC

Prep. Date: 04/02/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 68941, 68974

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 3.12 | | 2 | 4.63 | 4.62 | 75.5 | 75.0 | 0.2 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68974 - 250110

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 68974

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 1.91 | 1.85 | 95.5 | 92.5 | 3.2 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250806

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69058, 69093, 68919, 68921, 68970, 68974

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 6.84 | | 2.0 | 9.10 | 9.14 | 113.0 | 115.0 | 0.4 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP2 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.210 | 2 | 110.5 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

(3) 68974

## CHAIN OF CUSTODY RECORD

Date 3.7.01 Page 1 of 3

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO RD SUITE 123A
IRVINE CA 92618
PROJECT NAME 202887-01
CAL-TRANS/I-10 HOV/SOIL SAMPLING
PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature) JAC

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3E3-A SF | E/B I-10 SOIL SAMPLE SF | 3-7-01 | 0950 | | | X | 1 | | LEAD 7000 SERIES |
| 3E3-A-1 | 1 | | 0955 | | | X | | | |
| 3E3-A-2 | 2 | | 1000 | | | X | | | |
| 3E3 RW98-A SF | SF | | 1005 | | | X | | | |
| 3E3 RW98-A1 | 1 | | 1010 | | | X | | | |
| 3E3 RW98-A2 | 2 | | 1015 | | | X | | | |
| 3E3 RW98-A | (Refu. @ 2.5') 5 | | 1025 | | | | | | |
| 3E3-B SF | SF | | 10:30 | | | X | | | |
| 3E3-B-1 | 1 | | 10:40 | | | X | | | |
| 3E3-B-2 | 2 | | 10:50 | | | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Relinquished by: (Signature) Stan Rom
Received by: (Signature) LaVonne Jones
Date/Time 3-7-01 5:11 PM

Relinquished by: (Signature) LaVonne Jones
Received by Laboratory for analysis: (Signature)
Date/Time

Special Instructions:

I hereby autorize the performance of the above indicated work.

Stan Rom

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

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**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

# CHAIN OF CUSTODY RECORD

Date 3.7.01 Page 2 of 3

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO RD
SUTE 123A IRVINE CA 92618

PROJECT NAME

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature) JAL, REJ

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| GE1-A SF | SOIL SAMPLE | 3/7/01 | | | | X | 1 | | LEAD 7000 SERIES |
| -1 | | 3/7/01 | | | | X | 1 | | |
| -2 | | 3/7/01 | | | | X | 1 | | |
| GE1-RW544ABT-A, SF | | 3/7/01 | | | | X | 1 | | |
| | -1 | 3/7/01 | | | | X | 1 | | |
| | -2 | 3.7.01 | | | | X | 1 | | |
| | -4.5 | 3.7.01 | | | | X | 1 | | |
| GE1-B SF | | 3.7.01 | | | | X | 1 | | |
| -1 | | 3.7.01 | | | | X | 1 | | |
| -2 | | 3.7.01 | | | | X | 1 | | |
| GE1RW544B SF | | 3.7.01 | | | | X | 1 | | |
| -1 | | 3.7.01 | | | | X | 1 | | |
| -2 3-4 | | 3.7.01 / 3.7.01 | | | | X / X | 1 / 1 | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | LaVoris D Jones Jr | 3-7-01 5 PM |
| Relinquished by: (Signature) LaVoris D Jones Jr. | Received by Laboratory for analysis: (Signature) | Date/Time |

Special Instructions:

I hereby autorize the performance of the above indicated work.

[signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

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68974

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

# CHAIN OF CUSTODY RECORD

Date 3.07.01 Page 3 of 3

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO RD
SUITE 123A IRVINE CA 92618
PROJECT NAME 202887-01
CAL TRANS / I-10 HOV/SOIL SAMPLING

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature) JAC, REJ

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient ___ Cooled ___ Frozen ___
Same Day X 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 8E1-RW590B SF | | 3.7.01 | | | | X | 1 | | 7000 SERIES LEAD |
| -1 | | 3.7.01 | | | | X | 1 | | |
| -2 | | 3.7.01 | | | | X | 1 | | |
| -3 | | 3.7.01 | | | | X | 1 | | |
| 8E1-RW590C SF | | 3.7.01 | | | | X | 1 | | |
| -1 | | 3.7.01 | | | | X | 1 | | |
| -2 | | 3.7.01 | | | | X | 1 | | |
| -2.5 | | 3.7.01 | | | | X | 1 | | |
| 8E1-RW590A SF BT-A | | 3.7.01 | | | | X | 1 | | |
| | -1 | 3.7.01 | | | | X | 1 | | |
| -1.5 | | 3.7.01 | | | | X | 1 | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-7-01 5 PM |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time |
| [signature] | | |

Special Instructions:

I hereby autorize the performance of the above indicated work.

[signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68921
REPORTED 04/05/2001
RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249670 on 4/12/01.
Added pH to order #249641, 654 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249640 | IE2-A-SF |
| 249641 | IE2-A-1 |
| 249642 | IE2-A-2 |
| 249643 | IE2-B-SF |
| 249644 | IE2-B-1 |
| 249645 | IE2-B-2 |
| 249646 | IE1-B-SF |
| 249647 | IE1-B-1 |
| 249648 | IE1-B-2 |
| 249649 | IE3-A-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68921

REPORTED 04/05/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249670 on 4/12/01.
Added pH to order #249641, 654 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249650 | IE3-A-1 |
| 249651 | IE3-A-2 |
| 249652 | IE3-B-SF |
| 249653 | IE3-B-1 |
| 249654 | IE3-B-2 |
| 249655 | 3E3-RW504ABT-A-SF |
| 249656 | 3E3-RW504ABT-A-1 |
| 249657 | 3E3-RW504ABT-A-2 |
| 249658 | 3E3-RW504-B-SF |
| 249659 | 3E3-RW504-B-1 |
| 249660 | 3E3-RW504-B-2 |
| 249661 | 3E3-RW504-C-SF |
| 249662 | 3E3-RW504-C-1 |
| 249663 | 3E3-RW504-C-2 |
| 249664 | 3E3-RW504-D-SF |
| 249665 | 3E3-RW504-D-1 |
| 249666 | 4E2-RW524-D-SF |
| 249667 | 4E2-RW524-D-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

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Vice President

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PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249670 on 4/12/01.
Added pH to order #249641, 654 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249668 | 4E2-RW524-D-2 |
| 249669 | 4E2-RW524-D-3 |
| 249670 | 4E2-F-SF |
| 249671 | 4E2-F-1 |
| 249672 | 4E2-F-2 |
| 249673 | 7E3-RW586-A-SF |
| 249674 | 7E3-RW586-A-1 |
| 249675 | 7E3-RW586-A-2 |
| 249676 | 7E3-RW586-A-5 |
| 249677 | 7E3-RW586-B-SF |
| 249678 | 7E3-RW586-B-1 |
| 249679 | 7E3-RW586-B-2 |
| 249680 | 7E3-RW586-B-4 |
| 249681 | 7E3-RW586-C-SF |
| 249682 | 7E3-RW586-C-1 |
| 249683 | 7E3-RW586-C-2 |
| 249684 | 7E3-RW586-C-3.5 |
| 249685 | 7E3-RW586-ABT-D-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

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LAB REQUEST 68921

REPORTED 04/05/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249670 on 4/12/01.
Added pH to order #249641, 654 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249686 | 7E3-RW586-ABT-D-1 |
| 249687 | 7E3-RW586-ABT-D-2 |
| 249688 | 7E3-RW586-ABT-D-5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

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**Order #:** 249640 **Client Sample ID:** IE2-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 237 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 18.5 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249641 **Client Sample ID:** IE2-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.70 | | NA | 04/18/01 LN |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249642 **Client Sample ID:** IE2-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249643 **Client Sample ID:** IE2-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 476 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 24.3 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249644 **Client Sample ID:** IE2-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249645 **Client Sample ID:** IE2-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 53.3 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.51 | 0.2 | mg/L | 04/02/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249646 **Client Sample ID:** IE1-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 518 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.40 | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 20.0 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249647 **Client Sample ID:** IE1-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 225 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.39 | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 14.7 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249648 **Client Sample ID:** IE1-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 278 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.68 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.65 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249649 **Client Sample ID:** IE3-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 221 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.40 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249650 **Client Sample ID:** IE3-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 35.8 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249651 **Client Sample ID:** IE3-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 16.2 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249652 **Client Sample ID:** IE3-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 90.7 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.35 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249653 **Client Sample ID:** IE3-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 73.0 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.27 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249654 **Client Sample ID:** IE3-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.51 | | NA | 04/18/01 LN |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 70.7 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| Lead STLC | 2.59 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249655 **Client Sample ID:** 3E3-RW504ABT-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 30.3 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249656 **Client Sample ID:** 3E3-RW504ABT-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 20.6 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249657 **Client Sample ID:** 3E3-RW504ABT-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 24.0 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249658 **Client Sample ID:** 3E3-RW504-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 139 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| Lead STLC | 0.95 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249659 **Client Sample ID:** 3E3-RW504-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 20.3 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249660 **Client Sample ID:** 3E3-RW504-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 19.9 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249661 **Client Sample ID:** 3E3-RW504-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 19.4 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249662 **Client Sample ID:** 3E3-RW504-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.89 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 77.8 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.08 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249663 **Client Sample ID:** 3E3-RW504-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 15.4 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249664 **Client Sample ID:** 3E3-RW504-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 12.2 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249665 **Client Sample ID:** 3E3-RW504-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 13.2 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249666 **Client Sample ID:** 4E2-RW524-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 431 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 20.4 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249667 **Client Sample ID:** 4E2-RW524-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 45.5 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249668 **Client Sample ID:** 4E2-RW524-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249669 **Client Sample ID:** 4E2-RW524-D-3 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 63.5 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.03 | 0.2 | mg/L | 04/02/01 | NK |

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**Order #:** 249670 **Client Sample ID:** 4E2-F-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 4.37 | 0.1 | mg/L | 04/19/01 NK |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,580 | 100.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249671 **Client Sample ID:** 4E2-F-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 37.0 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249672 **Client Sample ID:** 4E2-F-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.47 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 249673 **Client Sample ID:** 7E3-RW586-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 620 | 20.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.39 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 34.9 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249674 **Client Sample ID:** 7E3-RW586-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 32.1 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249675 **Client Sample ID:** 7E3-RW586-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.22 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 17.8 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249676 **Client Sample ID:** 7E3-RW586-A-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 26.0 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249677 **Client Sample ID:** 7E3-RW586-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 448 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/12/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 18.2 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249678 **Client Sample ID:** 7E3-RW586-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 559 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.40 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 22.3 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249679 **Client Sample ID:** 7E3-RW586-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 111 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 4.97 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249680 **Client Sample ID:** 7E3-RW586-B-4 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 39.9 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249681 **Client Sample ID:** 7E3-RW586-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 389 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.40 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 15.9 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249682 **Client Sample ID:** 7E3-RW586-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.46 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 60.0 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.20 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 5.03 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249683 **Client Sample ID:** 7E3-RW586-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 19.8 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249684 **Client Sample ID:** 7E3-RW586-C-3.5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 21.7 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 249685 **Client Sample ID:** 7E3-RW586-ABT-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 144 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.30 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.23 | 0.2 | mg/L | 04/02/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249686 **Client Sample ID:** 7E3-RW586-ABT-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 57.8 | 10.0 | mg/Kg | 03/17/01 Kn |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | ND | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249687 **Client Sample ID:** 7E3-RW586-ABT-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 29.5 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249688 **Client Sample ID:** 7E3-RW586-ABT-D-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250806

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69093, 68921

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 6010 | 6.84 | | 2.0 | 9.10 | 9.14 | 113.0 | 115.0 | 0.4 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP2 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 6010 | 2.210 | 2 | 110.5 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69094
REPORTED 04/05/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans/I-10/HOV/Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250824, 827, 836 on 4/12/01.
Added pH to order #250830, 831, 849 on 4/17/01.
Added pH to order #250819 on 4/18/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250814 | 8E8-A-SF |
| 250815 | 8E8-A-1 |
| 250816 | 8E7-A-SF |
| 250817 | 8E7-A-1 |
| 250818 | 2W1-RW-D-SF |
| 250819 | 2W1-RW-D-1 |
| 250820 | 2W1-RW29-C-SF |
| 250821 | 2W1-RW29-C-1 |
| 250822 | 2W1-RW29-C-2 |
| 250823 | 2W1-RW29-C-3 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

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Irvine, CA 92618

LAB REQUEST 69094
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RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans/I-10/HOV/Soil Sampling

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Added pH to order #250830, 831, 849 on 4/17/01.
Added pH to order #250819 on 4/18/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250824 | 2W1-A-SF |
| 250825 | 2W1-A-1 |
| 250826 | 2W1-A-2 |
| 250827 | 2W1-B-SF |
| 250828 | 2W1-B-1 |
| 250829 | 2W1-B-2 |
| 250830 | 2W1-RW29-B-SF |
| 250831 | 2W1-RW29-B-1 |
| 250832 | 2W1-RW29-B-1.5 |
| 250833 | 1W1-RW523-B-SF |
| 250834 | 1W1-RW523-B-1 |
| 250835 | 1W1-RW523-B-1.5 |
| 250836 | 1W1-RW523ABT-C-SF |
| 250837 | 1W1-RW523ABT-C-1 |
| 250838 | 1W1-RW523ABT-C-2 |
| 250839 | 1W1-RW523ABT-C-5 |
| 250840 | 8E6-A-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

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Vice President

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ATTN: David Shaler
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LAB REQUEST 69094
REPORTED 04/05/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans/I-10/HOV/Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250824, 827, 836 on 4/12/01.
Added pH to order #250830, 831, 849 on 4/17/01.
Added pH to order #250819 on 4/18/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250841 | 8E6-A-1 |
| 250842 | 8E6-A-2 |
| 250843 | 8E6-RW58-C-SF |
| 250844 | 8E6-RW58-C-1 |
| 250845 | 8E6-RW58-C-2 |
| 250846 | 8E6-RW58-C-2.5 |
| 250847 | 8E6-RW58D-SF |
| 250848 | 8E6-RW58D-1 |
| 250849 | 8E6-RW58D-2 |
| 250850 | 8E6-RW58D-2.5 |
| 250851 | 8E6-B-SF |
| 250852 | 8E6-B-1 |
| 250853 | 8E6-B-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

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Vice President

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*Chemical*
*Microbiological*
*Environmental*

**Order #:** 250814 **Client Sample ID:** 8E8-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 120 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 HN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.13 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250815 **Client Sample ID:** 8E8-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 162 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.36 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250816 **Client Sample ID:** 8E7-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 183 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 HN |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 5.80 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250817 **Client Sample ID:** 8E7-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 146 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.84 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250818 **Client Sample ID:** 2W1-RW-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 235 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 13.3 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250819 **Client Sample ID:** 2W1-RW-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| pH | 6.57 | | NA | 04/17/01 | LN |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 56.6 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.08 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250820 **Client Sample ID:** 2W1-RW29-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 6.58 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 351 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 18.5 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250821 **Client Sample ID:** 2W1-RW29-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 371 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 15.4 | 2.0 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250822 **Client Sample ID:** 2W1-RW29-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 316 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 HN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 18.8 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 250823 **Client Sample ID:** 2W1-RW29-C-3 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 159 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/04/01 HN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 10.3 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 250824 **Client Sample ID:** 2W1-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 1.29 | 0.1 | mg/L | 04/19/10 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**150.1 pH**

| | | | | | |
|---|---|---|---|---|---|
| pH | 6.32 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,090 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250825 **Client Sample ID:** 2W1-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 396 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.24 | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 13.6 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250826 **Client Sample ID:** 2W1-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 214 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.25 | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.6 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250827 **Client Sample ID:** 2W1-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 1.79 | 0.1 | mg/L | 04/19/01 NK |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,010 | 50.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250828 **Client Sample ID:** 2W1-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 759 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.24 | 0.2 | mg/L | 04/04/01 HN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 43.3 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 250829 **Client Sample ID:** 2W1-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 332 | | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.35 | 0.2 | mg/L | 04/04/01 HN |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 12.9 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250830 **Client Sample ID:** 2W1-RW29-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 5.77 | | NA | 04/17/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 794 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.21 | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 42.7 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250831 **Client Sample ID:** 2W1-RW29-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 5.84 | | NA | 04/17/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 814 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.33 | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 20.6 | 2.0 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250832 **Client Sample ID:** 2W1-RW29-B-1.5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 757 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 HN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 34.2 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 250833 **Client Sample ID:** 1W1-RW523-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 804 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 HN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 13.5 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 250834 **Client Sample ID:** 1W1-RW523-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 225 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 9.04 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250835 **Client Sample ID:** 1W1-RW523-B-1.5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 359 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 30.2 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250836 **Client Sample ID:** 1W1-RW523ABT-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**1311/7420 TCLP Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead TCLP | 0.37 | 0.1 | mg/L | 04/19/01 | NK |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,130 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250837 **Client Sample ID:** 1W1-RW523ABT-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 238 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 12.9 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250838 **Client Sample ID:** 1W1-RW523ABT-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 128 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.70 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250839 **Client Sample ID:** 1W1-RW523ABT-C-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 127 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.54 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250840 **Client Sample ID:** 8E6-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 322 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 4.82 | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 16.0 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250841 **Client Sample ID:** 8E6-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 148 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.38 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250842 **Client Sample ID:** 8E6-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 105 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.94 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250843 **Client Sample ID:** 8E6-RW58-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 129 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.58 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250844 **Client Sample ID:** 8E6-RW58-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 64.4 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.13 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250845 **Client Sample ID:** 8E6-RW58-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 73.8 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.70 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250846 **Client Sample ID:** 8E6-RW58-C-2.5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 64.0 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.33 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250847 **Client Sample ID:** 8E6-RW58D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 148 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.21 | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.61 | 0.2 | mg/L | 03/30/01 | Nk |

**Order #:** 250848 **Client Sample ID:** 8E6-RW58D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 137 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 5.34 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250849 **Client Sample ID:** 8E6-RW58D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 6.42 | | NA | 04/17/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 177 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.28 | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.38 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250850 **Client Sample ID:** 8E6-RW58D-2.5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 137 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.12 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250851 **Client Sample ID:** 8E6-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 189 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.26 | 0.2 | mg/L | 04/04/01 | Hn |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.83 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250852 **Client Sample ID:** 8E6-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 131 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/04/01 | HN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.95 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250853 **Client Sample ID:** 8E6-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 63.8 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | HN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 6.13 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250318

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69053, 69055, 69057, 69061, 69092, 69094, 69139, 69147

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 9.51 | | 2.0 | 11.9 | 11.7 | NC | NC | 1.7 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP1 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.280 | 2 | 114.0 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69094 - 250825

Matrix: STLC

Prep. Date: 03/30/01

Analysis Date: 03/30/01

Lab ID#'s in Batch: LR 69094

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 13.6 | | 2 | 14.7 | 14.8 | NC | NC | 0.7 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69094 - 250821

Matrix: STLC (DI)

Prep. Date: 04/04/01

Analysis Date: 04/04/01

Lab ID#'s in Batch: LR 69094

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.13 | 2.07 | 106.5 | 103.5 | 2.9 |
| Lead | 7420 | 0.2 | U | 2 | 2.24 | 2.13 | 112.0 | 106.5 | 5.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69094 - 250820

Matrix: SOLID

Prep. Date: 03/16/01

Analysis Date: 03/17/01

ID#'s in Batch: LR 69094

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 351.00 | | 373.00 | | 6.1 | 98.0 | 483.0 | 134.7 |
| Lead | 7420 | 794.00 | | 788.00 | | 0.8 | 99.0 | 874.0 | 80.8 |
| Lead | 7420 | 322.00 | | 337.00 | | 4.6 | 99.8 | 357.0 | 35.1 |
| Lead | 7420 | 138.00 | | 182.00 | | 27.5 | 95.0 | 210.0 | 75.8 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031601SO12-13-14-15-16 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 206 | 200 | 103.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 215 | 200 | 107.5 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 222 | 200 | 111.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 208 | 200 | 104.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

**ASSOCIATED LABORATORIES**
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69058
REPORTED 04/05/2001
RECEIVED 03/08/2001

PROJECT CalTrans I-10 Pb Investigation

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250544 on 04/12/2001.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250517 | 1W1-A-SF |
| 250518 | 1W1-A-1 |
| 250519 | 1W1-A-2 |
| 250520 | 1W1-RW489-A-SF |
| 250521 | 1W1-RW489-A-1 |
| 250522 | 1W1-RW489-A-2 |
| 250523 | 1W1-RW489-A-5 |
| 250524 | 1W1-RW489-B-SF |
| 250525 | 1W1-RW489-B-1 |
| 250526 | 1W1-RW489-B-2 |
| 250527 | 1W1-RW489-B-5 |
| 250528 | 1W1-RW489-C-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69058

REPORTED 04/05/2001

RECEIVED 03/08/2001

PROJECT CalTrans I-10 Pb Investigation

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250544 on 04/12/2001.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250529 | 1W1-RW489-C-1 |
| 250530 | 1W1-RW489-C-2 |
| 250531 | 1W1-RW489-C-5 |
| 250532 | 1W1-RW489ABT-D-SF |
| 250533 | 1W1-RW489ABT-D-1 |
| 250534 | 1W1-RW489ABT-D-2 |
| 250535 | 1W1-RW489ABT-D-5 |
| 250536 | 1W1-RW497-B-SF |
| 250537 | 1W1-RW497-B-1 |
| 250538 | 1W1-RW497-B-2 |
| 250539 | 1W1-RW497-B-5 |
| 250540 | 1W1-RW497AGTA-SF |
| 250541 | 1W1-RW497AGT-A-1 |
| 250542 | 1W1-RW497AGT-A-2 |
| 250543 | 1W1-RW497AGT-A-5 |
| 250544 | 1W1-RW497-D-SF |
| 250545 | 1W1-RW497-D-1 |
| 250546 | 1W1-RW497-D-2 |
| 250547 | 1W1-RW497-D-5 |
| 250548 | 3W10-RW595-D-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69058

REPORTED 04/05/2001

RECEIVED 03/08/2001

PROJECT CalTrans I-10 Pb Investigation

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250544 on 04/12/2001.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250549 | 3W10-RW595-D-1 |
| 250550 | 3W10-RW595-D-2 |
| 250551 | 3W10-RW595-B-SF |
| 250552 | 3W10-RW595-B-1 |
| 250553 | 3W10-RW595-B-2 |
| 250554 | 3W10-RW595-B-4 |
| 250555 | 3W10-RW595-C-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Environmental*

**Order #:** 250517 **Client Sample ID:** 1W1-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.23 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 80.8 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.53 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250518 **Client Sample ID:** 1W1-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 601 | 20.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 1.01 | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 26.9 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250519 **Client Sample ID:** 1W1-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 91.6 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 4.25 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250520 **Client Sample ID:** 1W1-RW489-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.63 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 420 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.28 | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.79 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250521 **Client Sample ID:** 1W1-RW489-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 100 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.69 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250522 **Client Sample ID:** 1W1-RW489-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| Lead | 18.5 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250523 **Client Sample ID:** 1W1-RW489-A-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 252 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 9.42 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250524 **Client Sample ID:** 1W1-RW489-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.50 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 93.6 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 3.03 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250525 **Client Sample ID:** 1W1-RW489-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 334 | 10.0 | mg/Kg | 03/16/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.36 | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 16.5 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250526 **Client Sample ID:** 1W1-RW489-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 202 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.35 | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.76 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250527 **Client Sample ID:** 1W1-RW489-B-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.0 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250528 **Client Sample ID:** 1W1-RW489-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 382 | 10.0 | mg/Kg | 03/16/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.28 | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 21.7 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250529 **Client Sample ID:** 1W1-RW489-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.15 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 30.3 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250530 **Client Sample ID:** 1W1-RW489-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 13.1 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250531 **Client Sample ID:** 1W1-RW489-C-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250532 **Client Sample ID:** 1W1-RW489ABT-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 454 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 9.54 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250533 **Client Sample ID:** 1W1-RW489ABT-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 175 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.84 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250534 **Client Sample ID:** 1W1-RW489ABT-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 49.2 | 10.0 | mg/Kg | 03/16/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250535 **Client Sample ID:** 1W1-RW489ABT-D-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 12.7 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250536 **Client Sample ID:** 1W1-RW497-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 144 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.32 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250537 **Client Sample ID:** 1W1-RW497-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 196 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 8.58 | 0.2 | mg/L | 03/30/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250538 **Client Sample ID:** 1W1-RW497-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 33.0 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250539 **Client Sample ID:** 1W1-RW497-B-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250540 **Client Sample ID:** 1W1-RW497AGTA-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 116 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 3.96 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250541 **Client Sample ID:** 1W1-RW497AGT-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 877 | 20.0 | mg/Kg | 03/16/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 24.5 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250542 **Client Sample ID:** 1W1-RW497AGT-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 454 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.27 | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 22.9 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250543 **Client Sample ID:** 1W1-RW497AGT-A-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 143 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.11 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250544 **Client Sample ID:** 1W1-RW497-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead TCLP | 13.4 | 1.0 | mg/L | 04/19/01 | HN |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,160 | 100.0 | mg/Kg | 03/16/10 | NK |

**Order #:** 250545 **Client Sample ID:** 1W1-RW497-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250546 **Client Sample ID:** 1W1-RW497-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.36 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.8 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250547 **Client Sample ID:** 1W1-RW497-D-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 41.1 | 10.0 | mg/Kg | 03/16/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250548 **Client Sample ID:** 3W10-RW595-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 60.6 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 3.07 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 250549 **Client Sample ID:** 3W10-RW595-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 23.2 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250550 **Client Sample ID:** 3W10-RW595-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 27.2 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250551 **Client Sample ID:** 3W10-RW595-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.88 | | NA | 03/15/01 NJ |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 37.5 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250552 **Client Sample ID:** 3W10-RW595-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 46.2 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250553 **Client Sample ID:** 3W10-RW595-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 18.4 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250554 **Client Sample ID:** 3W10-RW595-B-4 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 16.8 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250555 **Client Sample ID:** 3W10-RW595-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 37.6 | 10.0 | mg/Kg | 03/16/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250806

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69058, 69093, 68919, 68921, 68970, 68974

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 6.84 | | 2.0 | 9.10 | 9.14 | 113.0 | 115.0 | 0.4 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP2 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 2.210 | 2 | 110.5 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69058 - 250540

Matrix: SOLID

Prep. Date: 03/13/01

Analysis Date: 03/16/01

ID#'s in Batch: LR 69058

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 116.00 | | 134.00 | | 14.4 | 96.9 | 233.0 | 120.7 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 92.1 | 97.7 | 106.1 |
| Lead | 7420 | 420.00 | | 311.00 | | 29.8 | 91.5 | 513.0 | 101.6 |
| Lead | 7420 | 27.20 | | 25.80 | | 5.3 | 97.0 | 116.0 | 91.5 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031601SO5678 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 99 | 100 | 99.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 102 | 100 | 102.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 100 | 100 | 99.5 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69058 - 250525

Matrix: STLC

Prep. Date: 03/19/01

Analysis Date: 03/30/01

Lab ID#'s in Batch: LR 69058

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 16.5 | | 2 | 24.7 | 24.0 | NC | NC | 2.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68943 - 249818

Matrix: STLC (DI)

Prep. Date: 04/04/01

Analysis Date: 04/04/01

Lab ID#'s in Batch: LR 68943, 69058

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.19 | 2.19 | 109.5 | 109.5 | 0.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

# CHAIN OF CUSTODY RECORD

69068

Date _____ Page 23 of _____

CLIENT CALTRANS

ADDRESS

PROJECT NAME
CALTRANS I-10 LEAD INVESTIGATIO

PROJECT MANAGER DAVID SHALER

PHONE NUMBER (949) 472 5444

SAMPLERS: (Signature)

Samples Intact Yes ____ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular _____ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 1W1 RW497 AGT-A-S | I-10 ON RAMP | 3/8/01 | 3/8/01 | | | X | 1 | Pb | 7000 Lead |
| 1W1 RW497 D-SF | | | | | | X | 1 | Pb | |
| 1W1 RW497 D-1 | | | | | | X | 1 | Pb | |
| 1W1 RW 497 D-2 | | | | | | X | 1 | Pb | |
| 1W1 RW497 D-S | | | | | | X | 1 | Pb | |
| 3W10 RW 595 D-SF | | | | | | X | 1 | Pb | |
| 3W10 RW 595 D-1 | | | | | | X | 1 | Pb | |
| 3W10 RW 595-D-2 | | | | | | X | 1 | Pb | |
| 3W10 RW 595-B-SF | | | | | | X | 1 | Pb | |
| 3W10 RW 595-B-1 | | | | | | X | 1 | Pb | |
| 3W10 RW 595-B-2 | | | | | | X | 1 | Pb | |
| 3W10 RW 595 B-4 | | | | | | X | 1 | Pb | |
| 3W10 RW595 C-SF | | | | | | X | 1 | Pb | |

Relinquished by: (Signature) — Received by: (Signature) — Date/Time 3-8-01

Relinquished by: (Signature) — Received by Laboratory for analysis: (Signature) — Date/Time 3-8-01

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69058

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 22 of _____

CLIENT CALTRANS

ADDRESS _____

PROJECT MANAGER DAVID SHALER

PHONE NUMBER (949) 472 5444

SAMPLERS: (Signature)

PROJECT NAME
CALTRANS LEAD INVESTIGATION

Samples Intact Yes ✓ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ✓ Frozen ___
Same Day ✓ 24 Hr. _____
Regular ✓ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 1W1-RW 489-C-2 | I-10 ON RAMP | | 3/8/01 | | | X | 1 | Pb | |
| 1W1-RW 489-C-5 | | | | | | X | 1 | Pb | |
| 1W1-RW 489 ABT-D-SF | | | | | | X | 1 | Pb | |
| 1W1-RW 489 ABT-D-1 | | | | | | X | 1 | Pb | |
| 1W1-RW 489 ABT-D-2 | | | | | | X | 1 | Pb | |
| 1W1-RW 489 ABT-D-3 | | | | | | X | 1 | Pb | |
| 1W1-RW 489 ABT-D-5 | | | | | | X | 1 | Pb | |
| 1W1-RW 497-B-SF | | | | | | X | 1 | Pb | |
| 1W1-RW 497-B-1 | | | | | | X | 1 | Pb | |
| 1W1-RW 497-B-2 | | | | | | X | 1 | Pb | |
| 1W1-RW 497-B-5 | | | | | | X | 1 | Pb | |
| 1W1-RW497 AGFA-SF | | | | | | X | 1 | Pb | |
| 1W1-RW497 AGT-A-1 | | | | | | X | 1 | Pb | |
| 1W1-RW497 AGT-A-2 | | | | | | X | 1 | Pb | |

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 3-8-01

Relinquished by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 3-8-01

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69058

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 2/ of _____

CLIENT CALTRANS
ADDRESS _____

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472 5444
SAMPLERS: (Signature)

PROJECT NAME
CALTRANS I-10 Pb INVESTIGATION

Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ____ 24 Hr. ____
Regular ✓ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 1W1-A-SF | I10 ON RAMP | 3/8/01 | | | | X | 1 | Pb | |
| 1W1-A-1 | I10 ON RAMP | | | | | X | 1 | Pb | |
| 1W1-A-2 | | | | | | X | 1 | Pb | |
| 1W1-RW 489-A-SF | | | | | | X | 1 | Pb | |
| 1W1-RW 489-A-1 | | | | | | X | 1 | Pb | |
| 1W1-RW 489-A-2 | | | | | | X | 1 | Pb | |
| 1W1-RW 489-A-5 | | | | | | X | 1 | Pb | |
| 1W1-RW 489-B-SF | | | | | | X | 1 | Pb | |
| 1W1-RW 489-B-1 | | | | | | X | 1 | Pb | |
| 1W1-RW 489-B-2 | | | | | | X | 1 | Pb | |
| 1W1-RW 489-B-5 | | | | | | X | 1 | Pb | |
| 1W1-RW 489-C-SF | | | | | | X | 1 | Pb | |
| 1W1-RW 489-C-1 | | | | | | X | 1 | Pb | |

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 3-8-01

Relinquished by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 3-8-01

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69067
REPORTED 04/05/2001
RECEIVED 03/09/2001

PROJECT #202887-01

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250687 | RHR-N-SW-1 |
| 250688 | RHR-N-SW-2 |
| 250689 | RHR-S-SW-1 |
| 250690 | RHR-S-SW-2 |
| 250691 | RHR-S-SED-1 |
| 250692 | RHR-S-SED-2 |
| 250693 | SGR-N-SED-1 |
| 250694 | SGR-N-SED-2 |
| 250695 | SGR-N-SED-3 |
| 250696 | SGR-S-SED-1 |
| 250697 | SGR-S-SED-2 |
| 250698 | SGR-S-SED-3 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69067

REPORTED 04/05/2001

RECEIVED 03/09/2001

PROJECT #202887-01

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250699 | TB |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 250687
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **150.1 pH** | | | | | | |
| pH | 7.41 | 1 | | NA | 03/10/01 | KK |
| **160.1 Filterable Residue (TDS)** | | | | | | |
| Filterable Residue (TDS) | 120 | 1 | 6.0 | mg/L | 03/16/01 | LN |
| **160.2 Total Suspended Solids (TSS)** | | | | | | |
| Total Suspended Solids | 36 | 1 | 5.0 | mg/L | 03/12/01 | LN |
| **160.5 Settleable Solids** | | | | | | |
| Settleable Solids | 0.6 | 1 | 0.1 | ml/L | 03/17/01 | LN |
| **180.1 Turbidity** | | | | | | |
| Turbidity | 44.2 | 1 | 0.05 | NTU | 03/17/01 | LN |
| **200.7 ICP Total Metals - Water Only** | | | | | | |
| Arsenic | 0.004 | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Boron | 0.061 | 1 | 0.010 | mg/L | 03/16/01 | KN |
| Cadmium | ND | 1 | 0.003 | mg/L | 03/16/01 | KN |
| Chromium | 0.003 | 1 | 0.003 | mg/L | 03/16/01 | KN |
| Copper | 0.049 | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Lead | 0.022 | 1 | 0.002 | mg/L | 03/16/01 | KN |
| Selenium | ND | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Silver | ND | 1 | 0.005 | mg/L | 03/16/01 | KN |
| Zinc | 0.114 | 1 | 0.002 | mg/L | 03/16/01 | KN |
| **245.1 Mercury in Water by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.0004 | mg/L | 03/16/01 | MDJ |
| **300.0 Chloride by Ion Chromatography** | | | | | | |
| Chloride | 4.0 | 1 | 1.0 | mg/L | 03/15/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250687
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **300.0 Nitrate as N by Ion Chromatography** | | | | | | |
| Nitrate (as N) | 5.7 | 1 | 0.1 | mg/L | 03/15/01 | CM |
| Nitrite (as N) | ND | 1 | 0.2 | mg/L | 03/15/01 | CM |
| Sulfate | 12 | 1 | 1.0 | mg/L | 03/15/01 | CM |
| **405.1 Biochemical Oxygen Demand (BOD)** | | | | | | |
| BOD | 12 | 1 | 3.0 | mg/L | 03/10/01 | KK |
| **418.1 Total Recoverable Petroleum Hydrocarbons** | | | | | | |
| Total Recoverable Petroleum Hydrocarbons | 1.6 | 1 | 1.0 | mg/L | 03/14/01 | TN |
| **420.1Total Phenolics** | | | | | | |
| Total Phenolics | ND | 1 | 0.01 | mg/L | 03/16/01 | JA |
| **4500-S Soluble Sulfide in Water** | | | | | | |
| Soluble Sulfide | ND | 1 | 0.1 | mg/L | 03/12/01 | LN |
| **5520B Oil and Grease, Gravimetric** | | | | | | |
| Total Oil and Grease | 13 | 1 | 5.0 | mg/L | 03/19/01 | LN |
| **601- Purgeable Halocarbons by GC** | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1,2-Trichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1-Dichloroethane | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| 1,1-Dichloroethene | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| 1,2-Dichlorobenzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| 1,2-Dichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,2-Dichloropropane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,3-Dichlorobenzene | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| 1,4-Dichlorobenzene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 2-Chloroethylvinyl ether | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250687
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **601- Purgeable Halocarbons by GC** | | | | | | |
| Bromodichloromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Bromoform | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Bromomethane | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Carbon tetrachloride | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Chlorobenzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Chloroethane | ND | 1 | 2.5 | ug/L | 03/20/01 | CH |
| Chloroform | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Chloromethane | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Dibromochloromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Dichlorodifluoromethane | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Methylene chloride | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Tetrachloroethene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Trichloroethene | ND | 1 | 0.6 | ug/L | 03/20/01 | CH |
| Trichlorofluoromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Vinyl chloride | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| cis-1,2-Dichloroethene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| cis-1,3-Dichloropropene | ND | 1 | 1.5 | ug/L | 03/20/01 | CH |
| trans-1,2-Dichloroethene | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| trans-1,3-Dichloropropene | ND | 1 | 1.5 | ug/L | 03/20/01 | CH |
| **602 - Purgeable Aromatics by GC** | | | | | | |
| Benzene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Ethyl benzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Methyl t-Butyl Ether | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Toluene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Xylene, M + P | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Xylene, O | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Xylene, Total | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250687
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,3-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250687
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Benzoic Acid | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Chrysene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Fluorene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Isophorone | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Naphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Phenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |

**8015M - Total Petroleum Hydrocarbons**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250687
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 1.0 | mg/L | 03/31/01 | CH |
| Gasoline | ND | 1 | 100 | ug/L | 03/17/01 | HP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250688
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **150.1 pH** | | | | | | |
| pH | 7.49 | 1 | | NA | 03/10/01 | KK |
| **160.1 Filterable Residue (TDS)** | | | | | | |
| Filterable Residue (TDS) | 120 | 1 | 6.0 | mg/L | 03/16/01 | LN |
| **160.2 Total Suspended Solids (TSS)** | | | | | | |
| Total Suspended Solids | 60 | 1 | 5.0 | mg/L | 03/12/01 | LN |
| **160.5 Settleable Solids** | | | | | | |
| Settleable Solids | 0.5 | 1 | 0.1 | ml/L | 03/17/01 | LN |
| **180.1 Turbidity** | | | | | | |
| Turbidity | 40.5 | 1 | 0.05 | NTU | 03/17/01 | LN |
| **200.7 ICP Total Metals - Water Only** | | | | | | |
| Arsenic | ND | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Boron | 0.053 | 1 | 0.010 | mg/L | 03/16/01 | KN |
| Cadmium | 0.010 | 1 | 0.003 | mg/L | 03/16/01 | KN |
| Chromium | 0.008 | 1 | 0.003 | mg/L | 03/16/01 | KN |
| Copper | 0.049 | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Lead | 0.018 | 1 | 0.002 | mg/L | 03/16/01 | KN |
| Selenium | ND | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Silver | ND | 1 | 0.005 | mg/L | 03/16/01 | KN |
| Zinc | 0.110 | 1 | 0.002 | mg/L | 03/16/01 | KN |
| **245.1 Mercury in Water by Manual Cold Vapor** | | | | | | |
| Mercury | 0.0006 | 1 | 0.0004 | mg/L | 03/16/01 | MDJ |
| **300.0 Chloride by Ion Chromatography** | | | | | | |
| Chloride | 4.0 | 1 | 1.0 | mg/L | 03/15/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250688
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **300.0 Nitrate as N by Ion Chromatography** | | | | | | |
| Nitrate (as N) | 5.5 | 1 | 0.1 | mg/L | 03/15/01 | CM |
| Nitrite (as N) | ND | 1 | 0.2 | mg/L | 03/15/01 | CM |
| Sulfate | 11 | 1 | 1.0 | mg/L | 03/15/01 | CM |
| **405.1 Biochemical Oxygen Demand (BOD)** | | | | | | |
| BOD | 11 | 1 | 3.0 | mg/L | 03/10/01 | KK |
| **418.1 Total Recoverable Petroleum Hydrocarbons** | | | | | | |
| Total Recoverable Petroleum Hydrocarbons | 1.8 | 1 | 1.0 | mg/L | 03/14/01 | TN |
| **420.1Total Phenolics** | | | | | | |
| Total Phenolics | ND | 1 | 0.01 | mg/L | 03/16/01 | JA |
| **4500-S Soluble Sulfide in Water** | | | | | | |
| Soluble Sulfide | ND | 1 | 0.1 | mg/L | 03/12/01 | LN |
| **5520B Oil and Grease, Gravimetric** | | | | | | |
| Total Oil and Grease | 8.0 | 1 | 5.0 | mg/L | 03/19/01 | LN |
| **601- Purgeable Halocarbons by GC** | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1,2-Trichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1-Dichloroethane | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| 1,1-Dichloroethene | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| 1,2-Dichlorobenzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| 1,2-Dichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,2-Dichloropropane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,3-Dichlorobenzene | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| 1,4-Dichlorobenzene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 2-Chloroethylvinyl ether | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250688
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **601- Purgeable Halocarbons by GC** | | | | | | |
| Bromodichloromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Bromoform | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Bromomethane | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Carbon tetrachloride | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Chlorobenzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Chloroethane | ND | 1 | 2.5 | ug/L | 03/20/01 | CH |
| Chloroform | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Chloromethane | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Dibromochloromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Dichlorodifluoromethane | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Methylene chloride | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Tetrachloroethene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Trichloroethene | ND | 1 | 0.6 | ug/L | 03/20/01 | CH |
| Trichlorofluoromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Vinyl chloride | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| cis-1,2-Dichloroethene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| cis-1,3-Dichloropropene | ND | 1 | 1.5 | ug/L | 03/20/01 | CH |
| trans-1,2-Dichloroethene | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| trans-1,3-Dichloropropene | ND | 1 | 1.5 | ug/L | 03/20/01 | CH |
| **602 - Purgeable Aromatics by GC** | | | | | | |
| Benzene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Ethyl benzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Methyl t-Butyl Ether | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Toluene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Xylene, M + P | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Xylene, O | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Xylene, Total | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250688
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,3-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250688
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Benzoic Acid | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Chrysene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Fluorene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Isophorone | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Naphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Phenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |

**8015M - Total Petroleum Hydrocarbons**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250688
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-N-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 1.0 | mg/L | 03/31/01 | CH |
| Gasoline | ND | 1 | 100 | ug/L | 03/17/01 | HP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250689
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **150.1 pH** | | | | | | |
| pH | 7.32 | 1 | | NA | 03/10/01 | KK |
| **160.1 Filterable Residue (TDS)** | | | | | | |
| Filterable Residue (TDS) | 160 | 1 | 6.0 | mg/L | 03/16/01 | LN |
| **160.2 Total Suspended Solids (TSS)** | | | | | | |
| Total Suspended Solids | 177 | 1 | 5.0 | mg/L | 03/12/01 | LN |
| **160.5 Settleable Solids** | | | | | | |
| Settleable Solids | 1.5 | 1 | 0.1 | ml/L | 03/17/01 | LN |
| **180.1 Turbidity** | | | | | | |
| Turbidity | 136 | 1 | 0.05 | NTU | 03/17/01 | LN |
| **200.7 ICP Total Metals - Water Only** | | | | | | |
| Arsenic | 0.006 | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Boron | 0.124 | 1 | 0.010 | mg/L | 03/16/01 | KN |
| Cadmium | 0.019 | 1 | 0.003 | mg/L | 03/16/01 | KN |
| Chromium | 0.085 | 1 | 0.003 | mg/L | 03/16/01 | KN |
| Copper | 0.112 | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Lead | 0.047 | 1 | 0.002 | mg/L | 03/16/01 | KN |
| Selenium | ND | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Silver | ND | 1 | 0.005 | mg/L | 03/16/01 | KN |
| Zinc | 0.187 | 1 | 0.002 | mg/L | 03/16/01 | KN |
| **245.1 Mercury in Water by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 2 | 0.0008 | mg/L | 03/16/01 | MDJ |
| **300.0 Chloride by Ion Chromatography** | | | | | | |
| Chloride | 7.0 | 1 | 1.0 | mg/L | 03/15/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250689
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **300.0 Nitrate as N by Ion Chromatography** | | | | | | |
| Nitrate (as N) | 8.2 | 1 | 0.1 | mg/L | 03/15/01 | CM |
| Nitrite (as N) | ND | 1 | 0.2 | mg/L | 03/15/01 | CM |
| Sulfate | 15 | 1 | 1.0 | mg/L | 03/15/01 | CM |
| **405.1 Biochemical Oxygen Demand (BOD)** | | | | | | |
| BOD | 17 | 1 | 3.0 | mg/L | 03/10/01 | KK |
| **418.1 Total Recoverable Petroleum Hydrocarbons** | | | | | | |
| Total Recoverable Petroleum Hydrocarbons | 1.7 | 1 | 1.0 | mg/L | 03/14/01 | TN |
| **420.1Total Phenolics** | | | | | | |
| Total Phenolics | ND | 1 | 0.01 | mg/L | 03/16/01 | JA |
| **4500-S Soluble Sulfide in Water** | | | | | | |
| Soluble Sulfide | ND | 1 | 0.1 | mg/L | 03/12/01 | LN |
| **5520B Oil and Grease, Gravimetric** | | | | | | |
| Total Oil and Grease | 9.0 | 1 | 5.0 | mg/L | 03/19/01 | LN |
| **601- Purgeable Halocarbons by GC** | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1,2-Trichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1-Dichloroethane | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| 1,1-Dichloroethene | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| 1,2-Dichlorobenzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| 1,2-Dichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,2-Dichloropropane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,3-Dichlorobenzene | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| 1,4-Dichlorobenzene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 2-Chloroethylvinyl ether | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250689
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **601- Purgeable Halocarbons by GC** | | | | | | |
| Bromodichloromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Bromoform | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Bromomethane | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Carbon tetrachloride | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Chlorobenzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Chloroethane | ND | 1 | 2.5 | ug/L | 03/20/01 | CH |
| Chloroform | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Chloromethane | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Dibromochloromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Dichlorodifluoromethane | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Methylene chloride | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Tetrachloroethene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Trichloroethene | ND | 1 | 0.6 | ug/L | 03/20/01 | CH |
| Trichlorofluoromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Vinyl chloride | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| cis-1,2-Dichloroethene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| cis-1,3-Dichloropropene | ND | 1 | 1.5 | ug/L | 03/20/01 | CH |
| trans-1,2-Dichloroethene | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| trans-1,3-Dichloropropene | ND | 1 | 1.5 | ug/L | 03/20/01 | CH |
| **602 - Purgeable Aromatics by GC** | | | | | | |
| Benzene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Ethyl benzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Methyl t-Butyl Ether | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Toluene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Xylene, M + P | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Xylene, O | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Xylene, Total | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250689
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,3-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250689
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Benzoic Acid | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Chrysene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Fluorene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Isophorone | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Naphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Phenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 10 | ug/L | 03/19/01 | DP |

**8015M - Total Petroleum Hydrocarbons**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250689
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 1.0 | mg/L | 03/31/01 | CH |
| Gasoline | ND | 1 | 100 | ug/L | 03/17/01 | HP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250690
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **150.1 pH** | | | | | | |
| pH | 7.28 | 1 | | NA | 03/10/01 | KK |
| **160.1 Filterable Residue (TDS)** | | | | | | |
| Filterable Residue (TDS) | 160 | 1 | 6.0 | mg/L | 03/16/01 | LN |
| **160.2 Total Suspended Solids (TSS)** | | | | | | |
| Total Suspended Solids | 94 | 1 | 5.0 | mg/L | 03/12/01 | LN |
| **160.5 Settleable Solids** | | | | | | |
| Settleable Solids | 0.6 | 1 | 0.1 | ml/L | 03/17/01 | LN |
| **180.1 Turbidity** | | | | | | |
| Turbidity | 74.5 | 1 | 0.05 | NTU | 03/17/01 | LN |
| **200.7 ICP Total Metals - Water Only** | | | | | | |
| Arsenic | ND | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Boron | 0.074 | 1 | 0.010 | mg/L | 03/16/01 | KN |
| Cadmium | 0.021 | 1 | 0.003 | mg/L | 03/16/01 | KN |
| Chromium | 0.034 | 1 | 0.003 | mg/L | 03/16/01 | KN |
| Copper | 0.083 | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Lead | 0.019 | 1 | 0.002 | mg/L | 03/16/01 | KN |
| Selenium | ND | 1 | 0.004 | mg/L | 03/16/01 | KN |
| Silver | ND | 1 | 0.005 | mg/L | 03/16/01 | KN |
| Zinc | 0.140 | 1 | 0.002 | mg/L | 03/16/01 | KN |
| **245.1 Mercury in Water by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.0004 | mg/L | 03/16/01 | MDJ |
| **300.0 Chloride by Ion Chromatography** | | | | | | |
| Chloride | 6.0 | 1 | 1.0 | mg/L | 03/15/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250690
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **300.0 Nitrate as N by Ion Chromatography** | | | | | | |
| Nitrate (as N) | 6.9 | 1 | 0.1 | mg/L | 03/15/01 | CM |
| Nitrite (as N) | ND | 1 | 0.2 | mg/L | 03/15/01 | CM |
| Sulfate | 14 | 1 | 1.0 | mg/L | 03/15/01 | CM |
| **405.1 Biochemical Oxygen Demand (BOD)** | | | | | | |
| BOD | 15 | 1 | 3.0 | mg/L | 03/10/01 | KK |
| **418.1 Total Recoverable Petroleum Hydrocarbons** | | | | | | |
| Total Recoverable Petroleum Hydrocarbons | 1.4 | 1 | 1.0 | mg/L | 03/14/01 | TN |
| **420.1Total Phenolics** | | | | | | |
| Total Phenolics | ND | 1 | 0.01 | mg/L | 03/16/01 | JA |
| **4500-S Soluble Sulfide in Water** | | | | | | |
| Soluble Sulfide | ND | 1 | 0.1 | mg/L | 03/12/01 | LN |
| **5520B Oil and Grease, Gravimetric** | | | | | | |
| Total Oil and Grease | 8.0 | 1 | 5.0 | mg/L | 03/19/01 | LN |
| **601- Purgeable Halocarbons by GC** | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1,2-Trichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,1-Dichloroethane | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| 1,1-Dichloroethene | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| 1,2-Dichlorobenzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| 1,2-Dichloroethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,2-Dichloropropane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 1,3-Dichlorobenzene | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| 1,4-Dichlorobenzene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| 2-Chloroethylvinyl ether | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250690
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **601- Purgeable Halocarbons by GC** | | | | | | |
| Bromodichloromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Bromoform | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Bromomethane | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Carbon tetrachloride | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Chlorobenzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Chloroethane | ND | 1 | 2.5 | ug/L | 03/20/01 | CH |
| Chloroform | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Chloromethane | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Dibromochloromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Dichlorodifluoromethane | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Methylene chloride | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Tetrachloroethene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Trichloroethene | ND | 1 | 0.6 | ug/L | 03/20/01 | CH |
| Trichlorofluoromethane | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Vinyl chloride | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| cis-1,2-Dichloroethene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| cis-1,3-Dichloropropene | ND | 1 | 1.5 | ug/L | 03/20/01 | CH |
| trans-1,2-Dichloroethene | ND | 1 | 0.8 | ug/L | 03/20/01 | CH |
| trans-1,3-Dichloropropene | ND | 1 | 1.5 | ug/L | 03/20/01 | CH |
| **602 - Purgeable Aromatics by GC** | | | | | | |
| Benzene | ND | 1 | 0.5 | ug/L | 03/20/01 | CH |
| Ethyl benzene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Methyl t-Butyl Ether | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Toluene | ND | 1 | 1.0 | ug/L | 03/20/01 | CH |
| Xylene, M + P | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Xylene, O | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| Xylene, Total | ND | 1 | 2.0 | ug/L | 03/20/01 | CH |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250690
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-2

**8270C Acid/Base/Neutral Extractables**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 50 | ug/L | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 10 | ug/L | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250690
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst |
|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | |
| Benzoic Acid | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Benzyl alcohol | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Butylbenzylphthalate | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Chrysene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Di-n-butylphthalate | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Di-n-octylphthalate | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Dibenz(a,h)anthracene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Dibenzofuran | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Diethylphthalate | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Dimethylphthalate | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Fluoranthene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Fluorene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Hexachlorobenzene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Hexachlorobutadiene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Hexachlorocyclopentadiene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Hexachloroethane | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Isophorone | ND | 1 | 10 | ug/L | 03/19/01 DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 10 | ug/L | 03/19/01 DP |
| N-Nitrosodiphenylamine | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Naphthalene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Nitrobenzene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Pentachlorophenol | ND | 1 | 50 | ug/L | 03/19/01 DP |
| Phenanthrene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Phenol | ND | 1 | 10 | ug/L | 03/19/01 DP |
| Pyrene | ND | 1 | 10 | ug/L | 03/19/01 DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 10 | ug/L | 03/19/01 DP |
| bis(2-Chloroethyl)ether | ND | 1 | 10 | ug/L | 03/19/01 DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 10 | ug/L | 03/19/01 DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 10 | ug/L | 03/19/01 DP |

**8015M - Total Petroleum Hydrocarbons**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250690
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SW-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 1.0 | mg/L | 03/31/01 | CH |
| Gasoline | ND | 1 | 100 | ug/L | 03/17/01 | HP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250691
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **1664 Oil and Grease by SPE** | | | | | | |
| Non-Polar Oil and Grease | 373 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| Total Oil and Grease | 4,590 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | | |
| Antimony | 4.30 | 1 | 1.50 | mg/Kg | 03/15/01 | KN |
| Arsenic | 2.71 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Barium | 142 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Beryllium | 0.25 | 1 | 0.10 | mg/Kg | 03/15/01 | KN |
| Cadmium | 1.25 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| Chromium | 16.6 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Cobalt | 7.90 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Copper | 57.0 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Lead | 260 | 2 | 0.5 | mg/Kg | 03/15/01 | KN |
| Molybdenum | ND | 1 | 0.65 | mg/Kg | 03/15/01 | KN |
| Nickel | 15.8 | 1 | 0.60 | mg/Kg | 03/15/01 | KN |
| Selenium | ND | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Silver | ND | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Thallium | ND | 1 | 0.40 | mg/Kg | 03/15/01 | KN |
| Vanadium | 22.4 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Zinc | 336 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Aldrin | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Alpha BHC | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Beta BHC | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Chlordane | 0.104 | 1 | 0.008 | mg/Kg | 03/19/01 | SD |
| DDD | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| DDE | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| DDT | 0.027 | 1 | 0.003 | mg/Kg | 03/19/01 | SD |

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**Order #:** 250691
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Delta BHC | ND | 1 | 0.005 | mg/Kg | 03/19/01 | SD |
| Dieldrin | 0.005 | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endosulfan I | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Endosulfan II | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endosulfan sulfate | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endrin | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Endrin aldehyde | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Heptachlor | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Heptachlor epoxide | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Lindane | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Methoxychlor | ND | 1 | 0.025 | mg/Kg | 03/19/01 | SD |
| Toxaphene | ND | 1 | 0.24 | mg/Kg | 03/19/01 | SD |
| **8141 Organophosphate Pesticides** | | | | | | |
| Azinophos Methyl (Guthion) | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Bolstar | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Chlorpyrifos(Dursban) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Coumaphos | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-O | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-S | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Diazinon | ND | 1 | 0.4 | mg/Kg | 03/27/01 | SD |
| Dichlorvos | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Disulfoton (Disyston) | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Disulfoton Sulfone | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Ethoprop | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Fensulfothion | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Fenthion | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Malathion | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Merphos | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Mevinphos (Phosdrin) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Naled (Dibrom) | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Parathion Ethyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |

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**Order #:** 250691
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8141 Organophosphate Pesticides** | | | | | | |
| Parathion Methyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Phorate (Thimet) | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Ronnel | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Stirophos (Tetrachlorvinphos) | ND | 1 | 3.35 | mg/Kg | 03/27/01 | SD |
| Tokuthion (Protothiofos) | ND | 1 | 0.33 | mg/Kg | 03/27/01 | SD |
| Trichloronate | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| **8151A Phenoxy Acid Herbicides** | | | | | | |
| 2,4,5-T | ND | 1 | 0.13 | mg/Kg | 03/22/01 | SD |
| 2,4,5-TP (Silvex) | ND | 1 | 0.11 | mg/Kg | 03/22/01 | SD |
| 2,4-D | ND | 1 | 0.80 | mg/Kg | 03/22/01 | SD |
| 2,4-DB | ND | 1 | 0.61 | mg/Kg | 03/22/01 | SD |
| Dalapon | ND | 1 | 3.89 | mg/Kg | 03/22/01 | SD |
| Dicamba | ND | 1 | 0.18 | mg/Kg | 03/22/01 | SD |
| Dichloroprop | ND | 1 | 0.44 | mg/Kg | 03/22/01 | SD |
| Dinoseb | ND | 1 | 0.05 | mg/Kg | 03/22/01 | SD |
| MCPA | ND | 1 | 167 | mg/Kg | 03/22/01 | SD |
| MCPP | ND | 1 | 129 | mg/Kg | 03/22/01 | SD |
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250691
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dioxane | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/Kg | 03/18/01 | DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Hexanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Methyl -2- Pentanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acrolein | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| Acrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Allyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromodichloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromoform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon Disulfide | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-1

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Chloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl-tertbutylether (ETBE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Isopropyl ether (DIPE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Propionitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Tert-amylmethylether (TAME) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Tertiary butyl alcohol (TBA) | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Toluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250691
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| cis-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |

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Matrix: SOLID
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Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzoic Acid | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Chrysene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluorene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |

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Matrix: SOLID
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Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Isophorone | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Naphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Phenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | 22 | 1 | 10 | mg/Kg | 03/17/01 | CH |
| Gasoline | ND | 1 | 5 | mg/Kg | 03/19/01 | LB |

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**Order #:** 250692
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **1664 Oil and Grease by SPE** | | | | | | |
| Non-Polar Oil and Grease | 373 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| Total Oil and Grease | 3,220 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | | |
| Antimony | 2.60 | 1 | 1.50 | mg/Kg | 03/15/01 | KN |
| Arsenic | 2.50 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Barium | 122 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Beryllium | 0.12 | 1 | 0.10 | mg/Kg | 03/15/01 | KN |
| Cadmium | 1.00 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| Chromium | 14.2 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Cobalt | 6.90 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Copper | 48.8 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Lead | 130 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Molybdenum | ND | 1 | 0.65 | mg/Kg | 03/15/01 | KN |
| Nickel | 14.0 | 1 | 0.60 | mg/Kg | 03/15/01 | KN |
| Selenium | ND | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Silver | ND | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Thallium | ND | 1 | 0.40 | mg/Kg | 03/15/01 | KN |
| Vanadium | 20.3 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Zinc | 270 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Aldrin | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Alpha BHC | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Beta BHC | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Chlordane | 0.091 | 1 | 0.008 | mg/Kg | 03/19/01 | SD |
| DDD | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| DDE | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| DDT | 0.026 | 1 | 0.003 | mg/Kg | 03/19/01 | SD |

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**Order #:** 250692
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Delta BHC | ND | 1 | 0.005 | mg/Kg | 03/19/01 | SD |
| Dieldrin | 0.004 | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endosulfan I | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Endosulfan II | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endosulfan sulfate | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endrin | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Endrin aldehyde | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Heptachlor | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Heptachlor epoxide | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Lindane | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Methoxychlor | ND | 1 | 0.025 | mg/Kg | 03/19/01 | SD |
| Toxaphene | ND | 1 | 0.24 | mg/Kg | 03/19/01 | SD |
| **8141 Organophosphate Pesticides** | | | | | | |
| Azinophos Methyl (Guthion) | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Bolstar | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Chlorpyrifos(Dursban) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Coumaphos | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-O | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-S | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Diazinon | ND | 1 | 0.4 | mg/Kg | 03/27/01 | SD |
| Dichlorvos | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Disulfoton (Disyston) | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Disulfoton Sulfone | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Ethoprop | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Fensulfothion | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Fenthion | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Malathion | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Merphos | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Mevinphos (Phosdrin) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Naled (Dibrom) | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Parathion Ethyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |

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**Order #:** 250692
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8141 Organophosphate Pesticides** | | | | | | |
| Parathion Methyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Phorate (Thimet) | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Ronnel | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Stirophos (Tetrachlorvinphos) | ND | 1 | 3.35 | mg/Kg | 03/27/01 | SD |
| Tokuthion (Protothiofos) | ND | 1 | 0.33 | mg/Kg | 03/27/01 | SD |
| Trichloronate | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| **8151A Phenoxy Acid Herbicides** | | | | | | |
| 2,4,5-T | ND | 1 | 0.13 | mg/Kg | 03/22/01 | SD |
| 2,4,5-TP (Silvex) | ND | 1 | 0.11 | mg/Kg | 03/22/01 | SD |
| 2,4-D | ND | 1 | 0.80 | mg/Kg | 03/22/01 | SD |
| 2,4-DB | ND | 1 | 0.61 | mg/Kg | 03/22/01 | SD |
| Dalapon | ND | 1 | 3.89 | mg/Kg | 03/22/01 | SD |
| Dicamba | ND | 1 | 0.18 | mg/Kg | 03/22/01 | SD |
| Dichloroprop | ND | 1 | 0.44 | mg/Kg | 03/22/01 | SD |
| Dinoseb | ND | 1 | 0.05 | mg/Kg | 03/22/01 | SD |
| MCPA | ND | 1 | 167 | mg/Kg | 03/22/01 | SD |
| MCPP | ND | 1 | 129 | mg/Kg | 03/22/01 | SD |
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250692
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dioxane | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/Kg | 03/18/01 | DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Hexanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Methyl -2- Pentanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acrolein | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| Acrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Allyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromodichloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromoform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon Disulfide | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250692
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-2

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Chloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl-tertbutylether (ETBE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Isopropyl ether (DIPE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Propionitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Tert-amylmethylether (TAME) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Tertiary butyl alcohol (TBA) | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Toluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250692
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| cis-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250692
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzoic Acid | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Chrysene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluorene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250692
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: RHR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Isophorone | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Naphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Phenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | 22 | 1 | 10 | mg/Kg | 03/17/01 | CH |
| Gasoline | ND | 1 | 5 | mg/Kg | 03/19/01 | LB |

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**Order #:** 250693
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **1664 Oil and Grease by SPE** | | | | | | |
| Non-Polar Oil and Grease | 144 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| Total Oil and Grease | 577 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | | |
| Antimony | 1.70 | 1 | 1.50 | mg/Kg | 03/15/01 | KN |
| Arsenic | 3.60 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Barium | 49.3 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Beryllium | 0.14 | 1 | 0.10 | mg/Kg | 03/15/01 | KN |
| Cadmium | ND | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| Chromium | 12.6 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Cobalt | 5.50 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Copper | 12.7 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Lead | 75.0 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Molybdenum | ND | 1 | 0.65 | mg/Kg | 03/15/01 | KN |
| Nickel | 6.84 | 1 | 0.60 | mg/Kg | 03/15/01 | KN |
| Selenium | ND | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Silver | ND | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Thallium | ND | 1 | 0.40 | mg/Kg | 03/15/01 | KN |
| Vanadium | 14.5 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Zinc | 51.5 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Aldrin | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Alpha BHC | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Beta BHC | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Chlordane | 0.020 | 1 | 0.008 | mg/Kg | 03/19/01 | SD |
| DDD | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| DDE | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| DDT | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |

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**Order #:** 250693
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Delta BHC | ND | 1 | 0.005 | mg/Kg | 03/19/01 | SD |
| Dieldrin | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endosulfan I | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Endosulfan II | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endosulfan sulfate | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Endrin | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Endrin aldehyde | ND | 1 | 0.004 | mg/Kg | 03/19/01 | SD |
| Heptachlor | ND | 1 | 0.002 | mg/Kg | 03/19/01 | SD |
| Heptachlor epoxide | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Lindane | ND | 1 | 0.003 | mg/Kg | 03/19/01 | SD |
| Methoxychlor | ND | 1 | 0.025 | mg/Kg | 03/19/01 | SD |
| Toxaphene | ND | 1 | 0.24 | mg/Kg | 03/19/01 | SD |
| **8141 Organophosphate Pesticides** | | | | | | |
| Azinophos Methyl (Guthion) | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Bolstar | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Chlorpyrifos(Dursban) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Coumaphos | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-O | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-S | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Diazinon | ND | 1 | 0.4 | mg/Kg | 03/27/01 | SD |
| Dichlorvos | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Disulfoton (Disyston) | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Disulfoton Sulfone | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Ethoprop | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Fensulfothion | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Fenthion | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Malathion | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Merphos | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Mevinphos (Phosdrin) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Naled (Dibrom) | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Parathion Ethyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |

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**Order #:** 250693
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8141 Organophosphate Pesticides** | | | | | | |
| Parathion Methyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Phorate (Thimet) | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Ronnel | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Stirophos (Tetrachlorvinphos) | ND | 1 | 3.35 | mg/Kg | 03/27/01 | SD |
| Tokuthion (Protothiofos) | ND | 1 | 0.33 | mg/Kg | 03/27/01 | SD |
| Trichloronate | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| **8151A Phenoxy Acid Herbicides** | | | | | | |
| 2,4,5-T | ND | 1 | 0.13 | mg/Kg | 03/22/01 | SD |
| 2,4,5-TP (Silvex) | ND | 1 | 0.11 | mg/Kg | 03/22/01 | SD |
| 2,4-D | ND | 1 | 0.80 | mg/Kg | 03/22/01 | SD |
| 2,4-DB | ND | 1 | 0.61 | mg/Kg | 03/22/01 | SD |
| Dalapon | ND | 1 | 3.89 | mg/Kg | 03/22/01 | SD |
| Dicamba | ND | 1 | 0.18 | mg/Kg | 03/22/01 | SD |
| Dichloroprop | ND | 1 | 0.44 | mg/Kg | 03/22/01 | SD |
| Dinoseb | ND | 1 | 0.05 | mg/Kg | 03/22/01 | SD |
| MCPA | ND | 1 | 167 | mg/Kg | 03/22/01 | SD |
| MCPP | ND | 1 | 129 | mg/Kg | 03/22/01 | SD |
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250693
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dioxane | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/Kg | 03/18/01 | DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Hexanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Methyl -2- Pentanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acrolein | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| Acrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Allyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromodichloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromoform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon Disulfide | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-1

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Chloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl-tertbutylether (ETBE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Isopropyl ether (DIPE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Propionitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Tert-amylmethylether (TAME) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Tertiary butyl alcohol (TBA) | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Toluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250693
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| cis-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |

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Matrix: SOLID
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Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzoic Acid | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Chrysene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluorene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |

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Matrix: SOLID
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Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Isophorone | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Naphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Phenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 10 | mg/Kg | 03/17/01 | CH |
| Gasoline | ND | 1 | 5 | mg/Kg | 03/19/01 | LB |

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**Order #:** 250694
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **1664 Oil and Grease by SPE** | | | | | | |
| Non-Polar Oil and Grease | 75 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| Total Oil and Grease | 490 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | | |
| Antimony | ND | 1 | 1.50 | mg/Kg | 03/15/01 | KN |
| Arsenic | 4.20 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Barium | 52.2 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Beryllium | ND | 1 | 0.10 | mg/Kg | 03/15/01 | KN |
| Cadmium | ND | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| Chromium | 8.40 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Cobalt | 5.10 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Copper | 18.1 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Lead | 55.0 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Molybdenum | ND | 1 | 0.65 | mg/Kg | 03/15/01 | KN |
| Nickel | 8.00 | 1 | 0.60 | mg/Kg | 03/15/01 | KN |
| Selenium | ND | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Silver | ND | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Thallium | ND | 1 | 0.40 | mg/Kg | 03/15/01 | KN |
| Vanadium | 13.9 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Zinc | 58.8 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Aldrin | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Alpha BHC | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Beta BHC | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Chlordane | 0.014 | 1 | 0.008 | mg/Kg | 03/20/01 | SD |
| DDD | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| DDE | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| DDT | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |

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**Order #:** 250694
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Delta BHC | ND | 1 | 0.005 | mg/Kg | 03/20/01 | SD |
| Dieldrin | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan I | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endosulfan II | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan sulfate | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endrin | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endrin aldehyde | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Heptachlor | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Heptachlor epoxide | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Lindane | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Methoxychlor | ND | 1 | 0.025 | mg/Kg | 03/20/01 | SD |
| Toxaphene | ND | 1 | 0.24 | mg/Kg | 03/20/01 | SD |
| **8141 Organophosphate Pesticides** | | | | | | |
| Azinophos Methyl (Guthion) | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Bolstar | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Chlorpyrifos(Dursban) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Coumaphos | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-O | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-S | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Diazinon | ND | 1 | 0.4 | mg/Kg | 03/27/01 | SD |
| Dichlorvos | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Disulfoton (Disyston) | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Disulfoton Sulfone | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Ethoprop | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Fensulfothion | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Fenthion | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Malathion | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Merphos | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Mevinphos (Phosdrin) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Naled (Dibrom) | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Parathion Ethyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |

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**Order #:** 250694
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8141 Organophosphate Pesticides** | | | | | | |
| Parathion Methyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Phorate (Thimet) | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Ronnel | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Stirophos (Tetrachlorvinphos) | ND | 1 | 3.35 | mg/Kg | 03/27/01 | SD |
| Tokuthion (Protothiofos) | ND | 1 | 0.33 | mg/Kg | 03/27/01 | SD |
| Trichloronate | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| **8151A Phenoxy Acid Herbicides** | | | | | | |
| 2,4,5-T | ND | 1 | 0.13 | mg/Kg | 03/22/01 | SD |
| 2,4,5-TP (Silvex) | ND | 1 | 0.11 | mg/Kg | 03/22/01 | SD |
| 2,4-D | ND | 1 | 0.80 | mg/Kg | 03/22/01 | SD |
| 2,4-DB | ND | 1 | 0.61 | mg/Kg | 03/22/01 | SD |
| Dalapon | ND | 1 | 3.89 | mg/Kg | 03/22/01 | SD |
| Dicamba | ND | 1 | 0.18 | mg/Kg | 03/22/01 | SD |
| Dichloroprop | ND | 1 | 0.44 | mg/Kg | 03/22/01 | SD |
| Dinoseb | ND | 1 | 0.05 | mg/Kg | 03/22/01 | SD |
| MCPA | ND | 1 | 167 | mg/Kg | 03/22/01 | SD |
| MCPP | ND | 1 | 129 | mg/Kg | 03/22/01 | SD |
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250694
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-2

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dioxane | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/Kg | 03/18/01 | DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Hexanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Methyl -2- Pentanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acrolein | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| Acrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Allyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromodichloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromoform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon Disulfide | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250694
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-2

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Chloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl-tertbutylether (ETBE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Isopropyl ether (DIPE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Propionitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Tert-amylmethylether (TAME) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Tertiary butyl alcohol (TBA) | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Toluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250694
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| cis-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250694
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzoic Acid | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Chrysene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluorene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250694
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Isophorone | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Naphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Phenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 10 | mg/Kg | 03/17/01 | CH |
| Gasoline | ND | 1 | 5 | mg/Kg | 03/19/01 | LB |

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**Order #:** 250695
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **1664 Oil and Grease by SPE** | | | | | | |
| Non-Polar Oil and Grease | 45 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| Total Oil and Grease | 570 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | | |
| Antimony | ND | 1 | 1.50 | mg/Kg | 03/15/01 | KN |
| Arsenic | 3.60 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Barium | 50.2 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Beryllium | 0.15 | 1 | 0.10 | mg/Kg | 03/15/01 | KN |
| Cadmium | ND | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| Chromium | 6.90 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Cobalt | 5.70 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Copper | 9.80 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Lead | 72.3 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Molybdenum | ND | 1 | 0.65 | mg/Kg | 03/15/01 | KN |
| Nickel | 5.65 | 1 | 0.60 | mg/Kg | 03/15/01 | KN |
| Selenium | ND | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Silver | ND | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Thallium | ND | 1 | 0.40 | mg/Kg | 03/15/01 | KN |
| Vanadium | 14.7 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Zinc | 56.2 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Aldrin | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Alpha BHC | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Beta BHC | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Chlordane | ND | 1 | 0.008 | mg/Kg | 03/20/01 | SD |
| DDD | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| DDE | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| DDT | 0.005 | 1 | 0.003 | mg/Kg | 03/20/01 | SD |

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**Order #:** 250695
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Delta BHC | ND | 1 | 0.005 | mg/Kg | 03/20/01 | SD |
| Dieldrin | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan I | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endosulfan II | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan sulfate | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endrin | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endrin aldehyde | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Heptachlor | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Heptachlor epoxide | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Lindane | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Methoxychlor | ND | 1 | 0.025 | mg/Kg | 03/20/01 | SD |
| Toxaphene | ND | 1 | 0.24 | mg/Kg | 03/20/01 | SD |
| **8141 Organophosphate Pesticides** | | | | | | |
| Azinophos Methyl (Guthion) | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Bolstar | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Chlorpyrifos(Dursban) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Coumaphos | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-O | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-S | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Diazinon | ND | 1 | 0.4 | mg/Kg | 03/27/01 | SD |
| Dichlorvos | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Disulfoton (Disyston) | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Disulfoton Sulfone | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Ethoprop | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Fensulfothion | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Fenthion | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Malathion | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Merphos | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Mevinphos (Phosdrin) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Naled (Dibrom) | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Parathion Ethyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |

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**Order #:** 250695
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8141 Organophosphate Pesticides** | | | | | | |
| Parathion Methyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Phorate (Thimet) | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Ronnel | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Stirophos (Tetrachlorvinphos) | ND | 1 | 3.35 | mg/Kg | 03/27/01 | SD |
| Tokuthion (Protothiofos) | ND | 1 | 0.33 | mg/Kg | 03/27/01 | SD |
| Trichloronate | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| **8151A Phenoxy Acid Herbicides** | | | | | | |
| 2,4,5-T | ND | 1 | 0.13 | mg/Kg | 03/22/01 | SD |
| 2,4,5-TP (Silvex) | ND | 1 | 0.11 | mg/Kg | 03/22/01 | SD |
| 2,4-D | ND | 1 | 0.80 | mg/Kg | 03/22/01 | SD |
| 2,4-DB | ND | 1 | 0.61 | mg/Kg | 03/22/01 | SD |
| Dalapon | ND | 1 | 3.89 | mg/Kg | 03/22/01 | SD |
| Dicamba | ND | 1 | 0.18 | mg/Kg | 03/22/01 | SD |
| Dichloroprop | ND | 1 | 0.44 | mg/Kg | 03/22/01 | SD |
| Dinoseb | ND | 1 | 0.05 | mg/Kg | 03/22/01 | SD |
| MCPA | ND | 1 | 167 | mg/Kg | 03/22/01 | SD |
| MCPP | ND | 1 | 129 | mg/Kg | 03/22/01 | SD |
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250695
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-3

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dioxane | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/Kg | 03/18/01 | DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Hexanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Methyl -2- Pentanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acrolein | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| Acrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Allyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromodichloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromoform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon Disulfide | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250695
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-3

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Chloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl-tertbutylether (ETBE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Isopropyl ether (DIPE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Propionitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Tert-amylmethylether (TAME) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Tertiary butyl alcohol (TBA) | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Toluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250695
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| cis-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250695
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzoic Acid | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Chrysene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluorene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250695
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-N-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Isophorone | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Naphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Phenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 10 | mg/Kg | 03/17/01 | CH |
| Gasoline | ND | 1 | 5 | mg/Kg | 03/19/01 | LB |

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**Order #:** 250696
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **1664 Oil and Grease by SPE** | | | | | | |
| Non-Polar Oil and Grease | 250 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| Total Oil and Grease | 2,070 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | | |
| Antimony | ND | 1 | 1.50 | mg/Kg | 03/15/01 | KN |
| Arsenic | 1.80 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Barium | 29.0 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Beryllium | ND | 1 | 0.10 | mg/Kg | 03/15/01 | KN |
| Cadmium | ND | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| Chromium | 5.80 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Cobalt | 3.10 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Copper | 10.4 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Lead | 13.0 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Molybdenum | ND | 1 | 0.65 | mg/Kg | 03/15/01 | KN |
| Nickel | 4.30 | 1 | 0.60 | mg/Kg | 03/15/01 | KN |
| Selenium | ND | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Silver | ND | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Thallium | ND | 1 | 0.40 | mg/Kg | 03/15/01 | KN |
| Vanadium | 9.10 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Zinc | 54.6 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Aldrin | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Alpha BHC | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Beta BHC | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Chlordane | 0.015 | 1 | 0.008 | mg/Kg | 03/20/01 | SD |
| DDD | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| DDE | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| DDT | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |

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**Order #:** 250696
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Delta BHC | ND | 1 | 0.005 | mg/Kg | 03/20/01 | SD |
| Dieldrin | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan I | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endosulfan II | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan sulfate | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endrin | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endrin aldehyde | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Heptachlor | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Heptachlor epoxide | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Lindane | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Methoxychlor | ND | 1 | 0.025 | mg/Kg | 03/20/01 | SD |
| Toxaphene | ND | 1 | 0.24 | mg/Kg | 03/20/01 | SD |
| **8141 Organophosphate Pesticides** | | | | | | |
| Azinophos Methyl (Guthion) | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Bolstar | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Chlorpyrifos(Dursban) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Coumaphos | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-O | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-S | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Diazinon | ND | 1 | 0.4 | mg/Kg | 03/27/01 | SD |
| Dichlorvos | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Disulfoton (Disyston) | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Disulfoton Sulfone | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Ethoprop | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Fensulfothion | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Fenthion | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Malathion | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Merphos | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Mevinphos (Phosdrin) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Naled (Dibrom) | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Parathion Ethyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |

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**Order #:** 250696
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8141 Organophosphate Pesticides** | | | | | | |
| Parathion Methyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Phorate (Thimet) | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Ronnel | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Stirophos (Tetrachlorvinphos) | ND | 1 | 3.35 | mg/Kg | 03/27/01 | SD |
| Tokuthion (Protothiofos) | ND | 1 | 0.33 | mg/Kg | 03/27/01 | SD |
| Trichloronate | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| **8151A Phenoxy Acid Herbicides** | | | | | | |
| 2,4,5-T | ND | 1 | 0.13 | mg/Kg | 03/22/01 | SD |
| 2,4,5-TP (Silvex) | ND | 1 | 0.11 | mg/Kg | 03/22/01 | SD |
| 2,4-D | ND | 1 | 0.80 | mg/Kg | 03/22/01 | SD |
| 2,4-DB | ND | 1 | 0.61 | mg/Kg | 03/22/01 | SD |
| Dalapon | ND | 1 | 3.89 | mg/Kg | 03/22/01 | SD |
| Dicamba | ND | 1 | 0.18 | mg/Kg | 03/22/01 | SD |
| Dichloroprop | ND | 1 | 0.44 | mg/Kg | 03/22/01 | SD |
| Dinoseb | ND | 1 | 0.05 | mg/Kg | 03/22/01 | SD |
| MCPA | ND | 1 | 167 | mg/Kg | 03/22/01 | SD |
| MCPP | ND | 1 | 129 | mg/Kg | 03/22/01 | SD |
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250696
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-1

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dioxane | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/Kg | 03/18/01 | DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Hexanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Methyl -2- Pentanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acrolein | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| Acrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Allyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromodichloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromoform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon Disulfide | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250696
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-1

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Chloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl-tertbutylether (ETBE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Isopropyl ether (DIPE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Propionitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Tert-amylmethylether (TAME) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Tertiary butyl alcohol (TBA) | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Toluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250696
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| cis-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250696
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzoic Acid | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Chrysene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluorene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250696
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-1

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Isophorone | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Naphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Phenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 10 | mg/Kg | 03/17/01 | CH |
| Gasoline | ND | 1 | 5 | mg/Kg | 03/19/01 | LB |

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**Order #:** 250697
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **1664 Oil and Grease by SPE** | | | | | | |
| Non-Polar Oil and Grease | 305 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| Total Oil and Grease | 1,340 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | | |
| Antimony | ND | 1 | 1.50 | mg/Kg | 03/15/01 | KN |
| Arsenic | 1.60 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Barium | 37.0 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Beryllium | ND | 1 | 0.10 | mg/Kg | 03/15/01 | KN |
| Cadmium | ND | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| Chromium | 5.65 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Cobalt | 3.50 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Copper | 8.20 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Lead | 16.0 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Molybdenum | ND | 1 | 0.65 | mg/Kg | 03/15/01 | KN |
| Nickel | 4.10 | 1 | 0.60 | mg/Kg | 03/15/01 | KN |
| Selenium | ND | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Silver | ND | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Thallium | ND | 1 | 0.40 | mg/Kg | 03/15/01 | KN |
| Vanadium | 10.3 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Zinc | 46.2 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Aldrin | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Alpha BHC | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Beta BHC | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Chlordane | 0.021 | 1 | 0.008 | mg/Kg | 03/20/01 | SD |
| DDD | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| DDE | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| DDT | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |

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**Order #:** 250697
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Delta BHC | ND | 1 | 0.005 | mg/Kg | 03/20/01 | SD |
| Dieldrin | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan I | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endosulfan II | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan sulfate | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endrin | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endrin aldehyde | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Heptachlor | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Heptachlor epoxide | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Lindane | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Methoxychlor | ND | 1 | 0.025 | mg/Kg | 03/20/01 | SD |
| Toxaphene | ND | 1 | 0.24 | mg/Kg | 03/20/01 | SD |
| **8141 Organophosphate Pesticides** | | | | | | |
| Azinophos Methyl (Guthion) | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Bolstar | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Chlorpyrifos(Dursban) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Coumaphos | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-O | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-S | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Diazinon | ND | 1 | 0.4 | mg/Kg | 03/27/01 | SD |
| Dichlorvos | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Disulfoton (Disyston) | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Disulfoton Sulfone | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Ethoprop | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Fensulfothion | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Fenthion | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Malathion | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Merphos | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Mevinphos (Phosdrin) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Naled (Dibrom) | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Parathion Ethyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |

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**Order #:** 250697
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8141 Organophosphate Pesticides** | | | | | | |
| Parathion Methyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Phorate (Thimet) | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Ronnel | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Stirophos (Tetrachlorvinphos) | ND | 1 | 3.35 | mg/Kg | 03/27/01 | SD |
| Tokuthion (Protothiofos) | ND | 1 | 0.33 | mg/Kg | 03/27/01 | SD |
| Trichloronate | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| **8151A Phenoxy Acid Herbicides** | | | | | | |
| 2,4,5-T | ND | 1 | 0.13 | mg/Kg | 03/22/01 | SD |
| 2,4,5-TP (Silvex) | ND | 1 | 0.11 | mg/Kg | 03/22/01 | SD |
| 2,4-D | ND | 1 | 0.80 | mg/Kg | 03/22/01 | SD |
| 2,4-DB | ND | 1 | 0.61 | mg/Kg | 03/22/01 | SD |
| Dalapon | ND | 1 | 3.89 | mg/Kg | 03/22/01 | SD |
| Dicamba | ND | 1 | 0.18 | mg/Kg | 03/22/01 | SD |
| Dichloroprop | ND | 1 | 0.44 | mg/Kg | 03/22/01 | SD |
| Dinoseb | ND | 1 | 0.05 | mg/Kg | 03/22/01 | SD |
| MCPA | ND | 1 | 167 | mg/Kg | 03/22/01 | SD |
| MCPP | ND | 1 | 129 | mg/Kg | 03/22/01 | SD |
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250697
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst |
|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 1,4-Dioxane | ND | 1 | 200 | ug/Kg | 03/18/01 DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/Kg | 03/18/01 DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 2-Hexanone | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| 4-Methyl -2- Pentanone | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Acetone | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Acetonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Acrolein | ND | 1 | 200 | ug/Kg | 03/18/01 DP |
| Acrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Allyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Benzene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Benzyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Bromobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Bromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Bromodichloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Bromoform | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Bromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Carbon Disulfide | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/Kg | 03/18/01 DP |
| Chlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 DP |

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Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-2

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Chloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl-tertbutylether (ETBE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Isopropyl ether (DIPE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Propionitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Tert-amylmethylether (TAME) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Tertiary butyl alcohol (TBA) | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Toluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250697
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| cis-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |

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Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzoic Acid | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Chrysene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluorene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |

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**Order #:** 250697
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-2

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Isophorone | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Naphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Phenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 10 | mg/Kg | 03/17/01 | CH |
| Gasoline | ND | 1 | 5 | mg/Kg | 03/19/01 | LB |

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**Order #:** 250698
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **1664 Oil and Grease by SPE** | | | | | | |
| Non-Polar Oil and Grease | 149 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| Total Oil and Grease | 279 | 1 | 10 | mg/Kg | 03/23/01 | LN |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | | |
| Mercury | ND | 1 | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | | |
| Antimony | ND | 1 | 1.50 | mg/Kg | 03/15/01 | KN |
| Arsenic | 2.10 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Barium | 25.6 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Beryllium | ND | 1 | 0.10 | mg/Kg | 03/15/01 | KN |
| Cadmium | ND | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| Chromium | 4.60 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Cobalt | 2.75 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Copper | 8.10 | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Lead | 13.3 | 1 | 0.25 | mg/Kg | 03/15/01 | KN |
| Molybdenum | ND | 1 | 0.65 | mg/Kg | 03/15/01 | KN |
| Nickel | 4.30 | 1 | 0.60 | mg/Kg | 03/15/01 | KN |
| Selenium | ND | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Silver | ND | 1 | 0.50 | mg/Kg | 03/15/01 | KN |
| Thallium | ND | 1 | 0.40 | mg/Kg | 03/15/01 | KN |
| Vanadium | 8.40 | 1 | 0.20 | mg/Kg | 03/15/01 | KN |
| Zinc | 55.1 | 1 | 0.30 | mg/Kg | 03/15/01 | KN |
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Aldrin | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Alpha BHC | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Beta BHC | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Chlordane | 0.017 | 1 | 0.008 | mg/Kg | 03/20/01 | SD |
| DDD | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| DDE | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| DDT | 0.005 | 1 | 0.003 | mg/Kg | 03/20/01 | SD |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250698
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8081A - Organochlorine Pesticides by GC** | | | | | | |
| Delta BHC | ND | 1 | 0.005 | mg/Kg | 03/20/01 | SD |
| Dieldrin | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan I | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endosulfan II | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endosulfan sulfate | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Endrin | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Endrin aldehyde | ND | 1 | 0.004 | mg/Kg | 03/20/01 | SD |
| Heptachlor | ND | 1 | 0.002 | mg/Kg | 03/20/01 | SD |
| Heptachlor epoxide | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Lindane | ND | 1 | 0.003 | mg/Kg | 03/20/01 | SD |
| Methoxychlor | ND | 1 | 0.025 | mg/Kg | 03/20/01 | SD |
| Toxaphene | ND | 1 | 0.24 | mg/Kg | 03/20/01 | SD |
| **8141 Organophosphate Pesticides** | | | | | | |
| Azinophos Methyl (Guthion) | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Bolstar | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Chlorpyrifos(Dursban) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Coumaphos | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-O | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Demeton(Systox)-S | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Diazinon | ND | 1 | 0.4 | mg/Kg | 03/27/01 | SD |
| Dichlorvos | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Disulfoton (Disyston) | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Disulfoton Sulfone | ND | 1 | 0.13 | mg/Kg | 03/27/01 | SD |
| Ethoprop | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Fensulfothion | ND | 1 | 1.0 | mg/Kg | 03/27/01 | SD |
| Fenthion | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Malathion | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Merphos | ND | 1 | 0.17 | mg/Kg | 03/27/01 | SD |
| Mevinphos (Phosdrin) | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Naled (Dibrom) | ND | 1 | 0.07 | mg/Kg | 03/27/01 | SD |
| Parathion Ethyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |

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**Order #:** 250698
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8141 Organophosphate Pesticides** | | | | | | |
| Parathion Methyl | ND | 1 | 0.02 | mg/Kg | 03/27/01 | SD |
| Phorate (Thimet) | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| Ronnel | ND | 1 | 0.2 | mg/Kg | 03/27/01 | SD |
| Stirophos (Tetrachlorvinphos) | ND | 1 | 3.35 | mg/Kg | 03/27/01 | SD |
| Tokuthion (Protothiofos) | ND | 1 | 0.33 | mg/Kg | 03/27/01 | SD |
| Trichloronate | ND | 1 | 0.1 | mg/Kg | 03/27/01 | SD |
| **8151A Phenoxy Acid Herbicides** | | | | | | |
| 2,4,5-T | ND | 1 | 0.13 | mg/Kg | 03/22/01 | SD |
| 2,4,5-TP (Silvex) | ND | 1 | 0.11 | mg/Kg | 03/22/01 | SD |
| 2,4-D | ND | 1 | 0.80 | mg/Kg | 03/22/01 | SD |
| 2,4-DB | ND | 1 | 0.61 | mg/Kg | 03/22/01 | SD |
| Dalapon | ND | 1 | 3.89 | mg/Kg | 03/22/01 | SD |
| Dicamba | ND | 1 | 0.18 | mg/Kg | 03/22/01 | SD |
| Dichloroprop | ND | 1 | 0.44 | mg/Kg | 03/22/01 | SD |
| Dinoseb | ND | 1 | 0.05 | mg/Kg | 03/22/01 | SD |
| MCPA | ND | 1 | 167 | mg/Kg | 03/22/01 | SD |
| MCPP | ND | 1 | 129 | mg/Kg | 03/22/01 | SD |
| **8260B Volatile Organic Compounds** | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250698
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-3

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 1,4-Dioxane | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/Kg | 03/18/01 | DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 2-Hexanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| 4-Methyl -2- Pentanone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetone | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acetonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Acrolein | ND | 1 | 200 | ug/Kg | 03/18/01 | DP |
| Acrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Allyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Benzyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromodichloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromoform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Bromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon Disulfide | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chlorobenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

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**Order #:** 250698
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-3

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Chloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Ethyl-tertbutylether (ETBE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Isopropyl ether (DIPE) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Propionitrile | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Tert-amylmethylether (TAME) | ND | 1 | 10 | ug/Kg | 03/18/01 | DP |
| Tertiary butyl alcohol (TBA) | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Toluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/Kg | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250698
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8260B Volatile Organic Compounds** | | | | | | |
| cis-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 5 | ug/Kg | 03/18/01 | DP |
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4,5-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4,6-Trichlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dichlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dimethylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2,4-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2,6-Dinitrotoluene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chloronaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Chlorophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylnaphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 2-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 2-Nitrophenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3,3-Dichlorobenzidine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 3-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250698
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-3

**8270C Acid/Base/Neutral Extractables**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Bromophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloro-3-methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chloroaniline | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Chlorophenyl-phenylether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Methylphenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| 4-Nitroaniline | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| 4-Nitrophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Acenaphthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Acenaphthylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(a)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(b)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(g,h,i)perylene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzo(k)fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzoic Acid | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Benzyl alcohol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Butylbenzylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Chrysene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-butylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Di-n-octylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenz(a,h)anthracene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dibenzofuran | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Diethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Dimethylphthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluoranthene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Fluorene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorobutadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachlorocyclopentadiene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Hexachloroethane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Indeno(1,2,3-c,d)pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250698
Matrix: SOLID
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: SGR-S-SED-3

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| **8270C Acid/Base/Neutral Extractables** | | | | | | |
| Isophorone | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitroso-di-n-propylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| N-Nitrosodiphenylamine | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Naphthalene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Nitrobenzene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pentachlorophenol | ND | 1 | 1665 | ug/Kg | 03/19/01 | DP |
| Phenanthrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Phenol | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| Pyrene | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethoxy)methane | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroethyl)ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Chloroisopropyl) ether | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| bis(2-Ethylhexyl)phthalate | ND | 1 | 333 | ug/Kg | 03/19/01 | DP |
| **8015M - Total Petroleum Hydrocarbons** | | | | | | |
| Diesel | ND | 1 | 10 | mg/Kg | 03/17/01 | CH |
| Gasoline | ND | 1 | 5 | mg/Kg | 03/19/01 | LB |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250699
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: TB

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,1,1-Trichloroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,1,2,2-Tetrachloroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,1,2-Trichloroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,1,2-Trichlorotrifluoroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,1-Dichloroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,1-Dichloroethene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,1-Dichloropropene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2,3-Trichlorobenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2,3-Trichloropropane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2,4-Trichlorobenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2,4-Trimethylbenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2-Dibromo-3-chloropropane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2-Dibromoethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2-Dichlorobenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2-Dichloroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,2-Dichloropropane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,3,5-Trimethylbenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,3-Dichlorobenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,3-Dichloropropane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,4-Dichlorobenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 1,4-Dioxane | ND | 1 | 57 | ug/L | 03/18/01 | DP |
| 1-Chlorohexane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 2,2-Dichloropropane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 2-Butanone (MEK) | ND | 1 | 100 | ug/L | 03/18/01 | DP |
| 2-Chloroethyl vinyl ether | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 2-Chlorotoluene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 2-Hexanone | ND | 1 | 20 | ug/L | 03/18/01 | DP |
| 4-Chlorotoluene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| 4-Methyl -2- Pentanone | ND | 1 | 10 | ug/L | 03/18/01 | DP |
| Acetone | ND | 1 | 100 | ug/L | 03/18/01 | DP |
| Acetonitrile | ND | 1 | 50 | ug/L | 03/18/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250699
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: TB

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Acrolein | ND | 1 | 200 | ug/L | 03/18/01 | DP |
| Acrylonitrile | ND | 1 | 10 | ug/L | 03/18/01 | DP |
| Allyl chloride | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Benzene | ND | 1 | 1 | ug/L | 03/18/01 | DP |
| Benzyl chloride | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Bromobenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Bromochloromethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Bromodichloromethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Bromoform | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Bromomethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Carbon Disulfide | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Carbon tetrachloride | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Chlorobenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Chloroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Chloroform | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Chloromethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Dibromochloromethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Dibromomethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Dichlorodifluoromethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Ethyl benzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Ethyl methacrylate | ND | 1 | 50 | ug/L | 03/18/01 | DP |
| Hexachlorobutadiene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Iodomethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Isopropylbenzene (Cumene) | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Methacrylonitrile | ND | 1 | 35 | ug/L | 03/18/01 | DP |
| Methyl methacrylate | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Methyl-tert-butylether (MTBE) | ND | 1 | 1 | ug/L | 03/18/01 | DP |
| Methylene chloride | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Naphthalene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Pentachloroethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Propionitrile | ND | 1 | 100 | ug/L | 03/18/01 | DP |
| Styrene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Tetrachloroethene | ND | 1 | 5 | ug/L | 03/18/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**Order #:** 250699
Matrix: WATER
Date Sampled: 03/09/2001
Time Sampled:
Sampled By:

Client: Ninyo & Moore
Client Sample ID: TB

**8260B Volatile Organic Compounds**

| Analyte | Result | DF | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|---|
| Toluene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Trichloroethene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Trichlorofluoromethane | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Vinyl acetate | ND | 1 | 50 | ug/L | 03/18/01 | DP |
| Vinyl chloride | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| Xylenes, total | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| cis-1,2-Dichloroethene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| cis-1,3-Dichloropropene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| cis-1,4-Dichloro-2-butene | ND | 1 | 20 | ug/L | 03/18/01 | DP |
| m and p-Xylene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| n-Butylbenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| n-Propylbenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| o-Xylene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| p-Isopropyltoluene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| sec-Butylbenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| tert-Butylbenzene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| trans-1,2-Dichloroethene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| trans-1,3-Dichloropropene | ND | 1 | 5 | ug/L | 03/18/01 | DP |
| trans-1,4-Dichloro-2-butene | ND | 1 | 20 | ug/L | 03/18/01 | DP |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

# ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS 0316 - 3

Matrix: SOLID

Prep. Date: 03/16/01

Analysis Date 03/20/01

ID#'s in Batch: LR 69067, 69312

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = ug/Kg

| Test | Method | Method Blank | Spike Added | LCS Spike | LCSD Spk. Dup | %Rec LCS | %Rec LCSD | RPD |
|---|---|---|---|---|---|---|---|---|
| TPH | 8015D | ND | 250 | 264 | 263 | 105.6 | 105.2 | 0.4 |

*ND = Not Detected*
*NA = Not Applicable*
*LCS Result = Lab Control Sample Result*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*L.Limit / H.Limit = LCS Control Limits*

| |
|---|
| *%REC LIMITS = 70 - 130* |
| *RPD LIMITS = 30* |

# ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD Soil Samples

Method : 8260

Analysis Date: 03/19/01

Applies to: LR 68917, 69067

REPORTING UNITS = ug/Kg

| Test | Sample Result | Spike Added | LCS Spike | LCS Spk. Dup | %Rec LCS | %Rec LCS D | RPD | QC Limits RPD | QC Limits %REC |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 52.52 | 51.42 | 105 | 103 | 2 | 22 | 59-172 |
| MTBE | ND | 50.0 | 37.32 | 38.25 | 75 | 77 | 2 | 24 | 62-137 |
| Benzene | ND | 50.0 | 46.41 | 46.12 | 93 | 92 | 1 | 24 | 62-137 |
| Trichloroethene | ND | 50.0 | 48.56 | 47.62 | 97 | 95 | 2 | 21 | 66-142 |
| Toluene | ND | 50.0 | 48.53 | 48.60 | 97 | 97 | 0 | 21 | 59-139 |
| Chlorobenzene | ND | 50.0 | 44.73 | 45.96 | 89 | 92 | 3 | 21 | 60-133 |

*ND = Not Detected*
*RPD = Relative Percent Difference of LCS and LCS Dup.*
*%REC-MS & MSD = Percent Recovery of LCS & LCS Dup.*

Method Blank = All ND

# ASSOCIATED LABORATORIES

QA REPORT FORM

Method : EPA 8270 / 625

QC Sample: 69067 - 693, MS

Matrix: SOLID

Date Analyzed : 03/19/01

Date Extracted : 03/15/01

Applies to: LR 69067

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = ug/Kg

| Test | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup. | %Rec MS | %Rec MSD | RPD | QC Limits RPD | QC Limits %REC |
|---|---|---|---|---|---|---|---|---|---|
| Phenol | 0.1 | 50 | 42 | 39 | 84 | 78 | 7 | 35 | 26-125 |
| 2-Chorophenol | ND | 50 | 36 | 33 | 72 | 66 | 9 | 50 | 25-125 |
| 1,4-Dichlorobenzene | ND | 50 | 40 | 37 | 80 | 74 | 8 | 27 | 28-104 |
| n-Nitroso-di-propylamine | 0.3 | 50 | 55 | 58 | 109 | 115 | 5 | 38 | 41-126 |
| 1,2,4-Trichlorobenzene | ND | 50 | 43 | 39 | 86 | 78 | 10 | 23 | 39-107 |
| 4-Chloro-3-methylphenol | ND | 50 | 67 | 61 | 134 # | 122 # | 9 | 33 | 26-103 |
| Acenaphthene | ND | 50 | 41 | 38 | 82 | 76 | 8 | 19 | 31-137 |
| 4-Nitrophenol | 0.1 | 50 | 22 | 21 | 44 | 42 | 5 | 50 | 11-114 |
| 2,4-Dinitrotoluene | 0.1 | 50 | 38 | 33 | 76 | 66 | 14 | 47 | 28-89 |
| Pentachlorophenol | ND | 50 | 28 | 25 | 56 | 50 | 11 | 47 | 17-109 |
| Pyrene | ND | 50 | 42 | 34 | 84 | 68 | 21 | 36 | 35-142 |

*# = Fails Limits Check*
*ND = Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

**LCS RECOVERY / METHOD BLANK**

| Test | Spike Added | LCS Result | LCS % Rec | QC Limits %REC |
|---|---|---|---|---|
| Phenol | 50 | 38 | 76 | 26-125 |
| 2-Chlorophenol | 50 | 32 | 64 | 25-125 |
| 1,4-Dichlorobenzene | 50 | 35 | 70 | 28-104 |
| n-Nitroso-di-n-propylamine | 50 | 40 | 80 | 41-126 |
| 1,2,4-Trichlorobenzene | 50 | 38 | 76 | 39-107 |
| 4-Chloro-3-methylphenol | 50 | 35 | 70 | 26-103 |
| Acenaphthene | 50 | 37 | 74 | 31-137 |
| 4-Nitophenol | 50 | 18 | 36 | 11-114 |
| 2,4-Dinitrotoluene | 50 | 35 | 70 | 28-89 |
| Pentachlorophenol | 50 | 22 | 44 | 17-109 |
| Pyrene | 50 | 33 | 66 | 35-142 |

Method Blank = All ND

# ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8151

QC Sample: LR 69067-250695

Matrix: SOLID

Date Analyzed : 03/23/01

Batch Date: 03/16/01 (herb 031601 s)

Applies to: LR 69067 and LR 69382

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/Kg

| Test | Sample Result | Spike Added | Matrix Spike | Matrix Spk. Dup | %Rec MS | %Rec MSD | RPD | QC Limits RPD | QC Limits %REC |
|---|---|---|---|---|---|---|---|---|---|
| 2,4-D | ND | 0.2 | 0.251 | 0.220 | 125.3 | 110.1 | 12.9 | 35 | 55-135 |
| 2,4,5-TP (Silvex) | ND | 0.2 | 0.266 | 0.251 | 133.2 | 125.4 | 6.1 | 35 | 55-135 |

*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

**LAB CONTROLLED SPIKE RECOVERY / METHOD BLANK**

| Test | Spike Added | LCS Result | LCS % Rec | Limits % Rec |
|---|---|---|---|---|
| 2,4-D | 0.2 | 0.239 | 119.4 | 55-130 |
| 2,4,5-TP (Silvex) | 0.2 | 0.248 | 124.0 | 55-130 |

*Method Blank = All ND*

# ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8141

QC Sample: LR 69067-250693

Matrix: Solid

Analysis Date 03/21/01

Batch Date: 03/16/01 (op 031601 s)

Applies to: LR 69067

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/Kg

| Test | Sample Result | Spike Added | Matrix Spike | Matrix Spk. Dup | %Rec MS | %Rec MSD | RPD | QC Limits RPD | QC Limits %REC |
|---|---|---|---|---|---|---|---|---|---|
| **Dichlorvos*** | ND | 0.400 | 0.513 | 0.660 | 128.4 | 164.9 | 24.9 | 35 | 45-140 |
| Mevinphos | ND | 0.400 | 0.503 | 0.560 | 125.8 | 140.0 | 10.7 | 35 | 45-140 |
| **Methyl Parathion *** | ND | 0.400 | 0.116 | 0.123 | 29.0 | 30.8 | 6.1 | 35 | 45-140 |
| Chlorpyrifos | ND | 0.400 | 0.342 | 0.406 | 85.6 | 101.6 | 17.0 | 35 | 45-140 |
| Fenthion | ND | 0.400 | 0.180 | 0.213 | 45.0 | 53.2 | 16.6 | 35 | 45-140 |
| Stirophos | ND | 0.400 | 0.389 | 0.475 | 97.3 | 118.7 | 19.9 | 35 | 45-140 |

* = MS/MSD outside limits

*ND = "U" - Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup*

*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

## LAB CONTROLLED SPIKE RECOVERY / METHOD BLANK

| Test | Spike Added | LCS Result | LCS % Rec | Limits % Rec |
|---|---|---|---|---|
| Dichlorvos | 0.400 | 0.534 | 133.6 | 55-140 |
| Mevinphos | 0.400 | 0.527 | 131.7 | 55-140 |
| Methyl Parathion | 0.400 | 0.386 | 96.5 | 55-140 |
| Chlorpyrifos | 0.400 | 0.377 | 94.2 | 55-140 |
| Fenthion | 0.400 | 0.359 | 89.8 | 55-140 |
| Stirophos | 0.400 | 0.407 | 101.8 | 55-140 |

***METHOD BLANK - ALL ND***

# ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8081

QC Sample: LR 69067-250695

Matrix: Solid

Date Analyzed : 03/19/01

Batch Date: 03/15/01 (pest 031501 s)

Applies to: LR 69067

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/Kg

| Test | Sample Result | Spike Added | Matrix Spike | Matrix Spk. Dup | %Rec MS | %Rec MSD | RPD | QC Limits RPD | QC Limits %REC |
|---|---|---|---|---|---|---|---|---|---|
| gamma-BHC (Lindane) | ND | 0.100 | 0.079 | 0.086 | 79.0 | 86.0 | 8.5 | 35 | 55-130 |
| Heptachlor | ND | 0.100 | 0.080 | 0.090 | 80.0 | 90.0 | 11.8 | 35 | 55-130 |
| Aldrin | ND | 0.100 | 0.093 | 0.103 | 93.0 | 103.0 | 10.2 | 35 | 55-130 |
| Dieldrin | ND | 0.100 | 0.081 | 0.092 | 81.0 | 92.0 | 12.7 | 35 | 55-130 |
| Endrin | ND | 0.100 | 0.081 | 0.091 | 81.0 | 91.0 | 11.6 | 35 | 55-130 |
| DDT | ND | 0.100 | 0.078 | 0.088 | 78.0 | 88.0 | 12.0 | 35 | 55-130 |

*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

**LAB CONTROLLED SPIKE RECOVERY / METHOD BLANK**

| Test | Spike Added | LCS Result | LCS % Rec | Limits % Rec |
|---|---|---|---|---|
| gamma-BHC (Lindane) | 0.10 | 0.071 | 71.0 | 55-130 |
| Heptachlor | 0.10 | 0.073 | 73.0 | 55-130 |
| Aldrin | 0.10 | 0.085 | 85.0 | 55-130 |
| Dieldrin | 0.10 | 0.084 | 84.0 | 55-130 |
| Endrin | 0.10 | 0.086 | 86.0 | 55-130 |
| DDT | 0.10 | 0.088 | 88.0 | 55-130 |

*Method Blank = All ND*

# ASSOCIATED LABORATORIES
## LCS/MB REPORT FORM

QC Code #: H031501SO12 Prep. Method : 3050

Prep. Date : 03/15/01 Matrix : SOLID Wt./Vol : 1g/100ml

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Lab ID#'s in Batch: LR 69067, 69148

Reporting Units : mg/Kg

**Lab Control Sample (LCS)**

| | | | | | | | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| **Element** | **Method** | **Result** | **True** | **%Rec** | **L.Limit** | **H.Limit** | **PB** | **ND** |
| Arsenic | 6010 | 194.3 | 200 | 97.2 | 80% | 120% | 0.200 | U |
| Selenium | 6010 | 190.3 | 200 | 95.2 | 80% | 120% | 0.370 | U |
| Thallium | 6010 | 198.0 | 200 | 99.0 | 80% | 120% | 0.240 | U |
| Lead | 6010 | 193.6 | 200 | 96.8 | 80% | 120% | 0.250 | U |
| Aluminum | 6010 | 204.7 | 200 | 102.4 | 80% | 120% | 1.070 | U |
| Antimony | 6010 | 206.9 | 200 | 103.5 | 80% | 120% | 1.440 | U |
| Barium | 6010 | 199.9 | 200 | 100.0 | 80% | 120% | 0.200 | U |
| Beryllium | 6010 | 205.4 | 200 | 102.7 | 80% | 120% | 0.100 | U |
| Cadmium | 6010 | 205.4 | 200 | 102.7 | 80% | 120% | 0.200 | U |
| Chromium | 6010 | 205.6 | 200 | 102.8 | 80% | 120% | 0.590 | U |
| Cobalt | 6010 | 205.7 | 200 | 102.9 | 80% | 120% | 0.670 | U |
| Copper | 6010 | 201.4 | 200 | 100.7 | 80% | 120% | 0.220 | U |
| Molybdenum | 6010 | 205.1 | 200 | 102.6 | 80% | 120% | 0.650 | U |
| Manganese | 6010 | 202.8 | 200 | 101.4 | 80% | 120% | 0.500 | U |
| Nickel | 6010 | 205.9 | 200 | 103.0 | 80% | 120% | 0.680 | U |
| Vanadium | 6010 | 201.5 | 200 | 100.8 | 80% | 120% | 0.230 | U |
| Zinc | 6010 | 201.5 | 200 | 100.8 | 80% | 120% | 0.340 | U |
| Silver | 6010 | 98.11 | 100 | 98.1 | 80% | 120% | 0.500 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*
*L.LIMIT / H.LIMIT = Low / High Control Limits*
*PB = Preparation Blank; ND = " U " for Non- Detected*

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 69067 - 250696

Matrix: SOLID

Prep. Date: 03/15/01

Analysis Date: 03/15/01

Lab ID#'s in Batch: LR 69067, 69148

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/Kg

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 6010 | 1.76 | | 9.60 | 10.60 | 10.60 | 92.1 | 92.1 | 0.0 |
| Selenium | 6010 | 0.20 | U | 9.60 | 7.80 | 8.10 | 81.3 | 84.4 | 3.8 |
| Thallium | 6010 | 0.40 | U | 9.60 | 8.80 | 8.70 | 91.7 | 90.6 | 1.1 |
| Lead | 6010 | 13.00 | | 19.20 | 30.60 | 30.80 | 91.7 | 92.7 | 0.7 |
| Antimony | 6010 | 1.50 | U | 96.00 | 82.40 | 79.30 | 85.8 | 82.6 | 3.8 |
| Barium | 6010 | 29.00 | | 96.00 | 121.00 | 121.00 | 95.8 | 95.8 | 0.0 |
| Beryllium | 6010 | 0.10 | U | 96.00 | 91.50 | 94.00 | 95.3 | 97.9 | 2.7 |
| Cadmium | 6010 | 0.30 | U | 96.00 | 86.00 | 86.00 | 89.6 | 89.6 | 0.0 |
| Chromium | 6010 | 5.80 | | 96.00 | 98.00 | 98.00 | 96.0 | 96.0 | 0.0 |
| Cobalt | 6010 | 3.10 | | 96.00 | 94.00 | 94.00 | 94.7 | 94.7 | 0.0 |
| Copper | 6010 | 10.40 | | 96.00 | 97.00 | 98.00 | 90.2 | 91.3 | 1.0 |
| Molybdenum | 6010 | 0.65 | U | 96.00 | 89.00 | 89.00 | 92.7 | 92.7 | 0.0 |
| Nickel | 6010 | 4.30 | | 96.00 | 94.00 | 96.00 | 93.4 | 95.5 | 2.1 |
| Silver | 6010 | 0.50 | U | 96.00 | 81.00 | 82.00 | 84.4 | 85.4 | 1.2 |
| Vanadium | 6010 | 9.10 | | 96.00 | 101.00 | 101.00 | 95.7 | 95.7 | 0.0 |
| Zinc | 6010 | 55.00 | | 96.00 | 131.00 | 131.00 | 79.2 | 79.2 | 0.0 |

** = MS/MSD outside Limits. LCS/MB Accepted.*

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 69067 - 250698

Matrix: SOLID

Prep. Date: 03/16/01

Analysis Date: 03/16/01

ID#'s in Batch: LR 69067, 69302, 69283

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| MERCURY | 245.5 / 7471A | ND | 0.81 | 0.79 | 0.73 | 97.5 | 90.1 | 7.9 |

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *%REC LIMITS = 75 - 125* |
| *RPD LIMITS = 20* |

## PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| PREP BLK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | True | %Rec | L.Limit | H.Limit |
| ND | 0.71 | 0.76 | 93.4 | 80% | 120% |

*Value = Preparation Blank Value; ND = Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LR 69067 (solid)

Matrix: WATER

Prep. Date: 03/23/01

Analysis Date: 03/23/01

ID#'s in Batch: LR 69067

Reporting Units = mg/L

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

| Test | Method | PREP BLK | LCS | | | | |
|---|---|---|---|---|---|---|---|
| | | Value | Result | True | %Rec | L.Limit | H.Limit |
| OIL & GREASE | 5520B / 1664 | ND | 19.0 | 19.9 | 95.5 | 75% | 125% |

*Value = Preparation Blank Value; ND = "U" for Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 69170 - 305

Matrix: WATER

Prep. Date: 03/16/01

Analysis Date: 03/16/01 - 03/17/01

ID#'s in Batch: LR 69170, 69151, 69062, 68962, 69067, 69322

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = ug/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| TPH | 8015M-G | ND | 520 | 453 | 475 | 87.1 | 91.3 | 4.7 |

*ND = Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *%REC LIMITS = 70 - 130* |
| *RPD LIMITS = 30* |

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

| PREP BLK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | True | %Rec | L.Limit | H.Limit |
| ND | 485 | 520 | 93.3 | 80% | 120% |

*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G9LCS 0328W

Matrix: WATER

Prep. Date: 03/28/01

Analysis Date 03/31/01

ID#'s in Batch: LR 70079, 69067, 69848

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = ug/L

| Test | Method | Method Blank | Spike Added | LCS Spike | LCSD Spk. Dup | %Rec LCS | %Rec LCSD | RPD |
|---|---|---|---|---|---|---|---|---|
| TPH | 8015D | ND | 5 | 4.12 | 4.07 | 82.4 | 81.4 | 1.2 |

*ND = Not Detected*
*NA = Not Applicable*
*LCS Result = Lab Control Sample Result*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*L.Limit / H.Limit = LCS Control Limits*

| |
|---|
| *%REC LIMITS = 70 - 130* |
| *RPD LIMITS = 30* |

# ASSOCIATED LABORATORIES

## LCS REPORT FORM

Method : EPA 8270 / 625

QC Sample: LCS 69067

Matrix: WATER

Date Analyzed : 03/18/01

Date Extracted : 03/15/01

ID#'s in Batch: LR 69067

REPORTING UNITS = ug/L

| Test | Sample Result | Spike Added | LCS Spike | LCS Spike Dup | %Rec LCS | %Rec LCS-D | RPD | QC LIMITS RPD | QC LIMITS %REC |
|---|---|---|---|---|---|---|---|---|---|
| Phenol | ND | 50 | 15 | 16 | 30 | 32 | 5 | 42 | 12-125 |
| 2-Clorophenol | ND | 50 | 24 | 26 | 48 | 52 | 8 | 40 | 27-125 |
| 1,4-Dichlorobenzene | ND | 50 | 32 | 35 | 64 | 70 | 9 | 28 | 36-97 |
| n-Nitroso-di-n-propylamine | 18.5 | 50 | 45 | 41 | 53 | 45 | 9 | 38 | 41-116 |
| 1,2,4-Trichlorobenzene | ND | 50 | 40 | 33 | 80 | 66 | 19 | 28 | 39-98 |
| 4-Cloro-3-methylphenol | ND | 50 | 46 | 37 | 92 | 74 | 22 | 42 | 23-97 |
| Acenaphthene | ND | 50 | 35 | 35 | 70 | 70 | 0 | 31 | 46-118 |
| 4-Nitrophenol | 0.3 | 50 | 17 | 14 | 33 | 27 | 19 | 50 | 10-80 |
| 2,4-Dinitrotoluene | 12.3 | 50 | 33 | 33 | 41 | 41 | 0 | 38 | 24-96 |
| Pentachlorophenol | ND | 50 | 16 | 20 | 32 | 40 | 22 | 50 | 9-103 |
| Pyrene | ND | 50 | 27 | 28 | 54 | 56 | 4 | 31 | 26-127 |

*= *Fails Limit Check*

*RPD = Relative Percent Difference of LCS and LCS Dup.*

*%REC-LCS & LCS-D = Percent Recovery of LCS & LCS Dup.*

Method Blank = All ND

# ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LFB20010320

Matrix: WATER

Analysis Date: 03/20/01

ID#'s in Batch: LR 69040, 69067, 69204, 69205, 69206, 69207, 69199, 69270, 69315, 69374, 69539, 69435, 69335

**LCS SPIKE / LCS SPIKE DUPLICATE RESULT**

Reporting Units = ug/L

| Test | Method | Sample Result | Spike Added | LCS Spike | LCSD Spike Dup | %Rec LCS | %Rec LCSD | % RPD | Prep. Blank |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | 601/602 | ND | 5.0 | 5.1 | 5.4 | 102 | 108 | 6 | ND |
| 1,1,2-Trichloroethane | 601/602 | ND | 5.0 | 4.8 | 4.7 | 96 | 94 | 2 | ND |
| Tetrachloroethene | 601/602 | ND | 5.0 | 4.9 | 4.9 | 98 | 98 | 0 | ND |
| cis-1,2-DCE | 601/602 | ND | 5.0 | 4.0 | 4.0 | 80 | 80 | 0 | ND |
| cis-1,3-DCPE | 601/602 | ND | 5.0 | 3.7 | 3.7 | 74 | 74 | 0 | ND |
| Trichloroethene | 601/602 | ND | 5.0 | 5.0 | 4.9 | 100 | 98 | 2 | ND |
| Dibromochloromethane | 601/602 | ND | 5.0 | 4.8 | 4.7 | 96 | 94 | 2 | ND |
| trans-1,2-DCE | 601/602 | ND | 5.0 | 5.2 | 5.4 | 104 | 108 | 4 | ND |
| Benzene | 601/602 | ND | 5.0 | 5.3 | 4.9 | 106 | 98 | 8 | ND |
| Toluene | 601/602 | ND | 5.0 | 5.5 | 5.5 | 110 | 110 | 0 | ND |

** = Outside Limits*
*ND = Not Detected*
*RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate*
*%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate*

| |
|---|
| *%REC LIMITS: 70-130* |
| *RPD LIMITS: 35* |

# ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LR 69067

Matrix: WATER

Prep. Date: 03/19/01

Analysis Date: 03/19/01

ID#'s in Batch: LR 69067

Reporting Units = mg/L

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

| Test | Method | PREP BLK | LCS | | | | |
|---|---|---|---|---|---|---|---|
| | | Value | Result | True | %Rec | L.Limit | H.Limit |
| OIL & GREASE | 5520B / 1664 | ND | 18.7 | 19.9 | 94.0 | 75% | 125% |

*Value = Preparation Blank Value; ND = "U" for Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 69118

Matrix: WATER

Prep. Date: 03/12/01

Analysis Date: 03/12/01

ID#'s in Batch: LR 69118, 68968, 69067

**SAMPLE RESULT / SAMPLE DUPLICATE**

Reporting Units = mg/L

| Test | Method | Sample Result | Sample Duplicate | RPD |
|---|---|---|---|---|
| SULFIDE | 4500 S2 D | ND | ND | 0.0 |

*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

| Test | Method | PREP BLANK |
|---|---|---|
| | | Value |
| SULFIDE | 4500 S2 D | ND |

# ASSOCIATED LABORATORIES

*QA REPORT FORM*

QC Sample: LR69067-250687

Matrix: WATER

Prep. Date: 03/16/2001

Analysis Date: 03/16/2001

ID#'s in Batch: LR69067, 69248, 68966, 69406

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| PHENOLICS | 420.1 | ND | 0.40 | 0.390 | 0.400 | 97.5 | 100.0 | 2.5 |

*ND = Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *%REC LIMITS = 75 - 125* |
| *RPD LIMITS = 20* |

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| PREP BLK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | True | %Rec | L.Limit | H.Limit |
| ND | 0.131 | 0.133 | 98.5 | 80% | 120% |

*Value = Preparation Blank Value*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 68997-250191

Matrix: WATER

Prep. Date: 03/13/01

Analysis Date: 03/13/01

ID#'s in Batch: LR 68997, 68968, 68972, 68993, 69099, 69067, 69915

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spk. Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| TRPH | 418.1 | ND | 3.81 | 3.50 | 3.60 | 91.9 | 94.5 | 2.8 |

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*%REC LIMITS = 70 - 130*
*RPD LIMITS = 30*

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

| PREP BLK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | True | %Rec | L.Limit | H.Limit |
| ND | 15.0 | 16.5 | 90.9 | 80% | 120% |

*Value = Preparation Blank Value; ND = Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: Std. Sol

Matrix: WATER

Prep. Date: 03/10/01

Analysis Date: 03/15/01

ID#'s in Batch: LR 69067

Reporting Units = mg/L

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

| | | PREP. BLANK | LCS | | | | |
|---|---|---|---|---|---|---|---|
| **Test** | **Method** | **Value** | **Result** | **True** | **%Rec** | **L.Limit** | **H.Limit** |
| BOD | 405.1 | ND | 196 | 200 | 98.00 | 80% | 120% |

*Value = Preparation Blank Value; ND = Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample : LR 69207-251461

Matrix: WATER

Prep.Date: 03/14/2001

Analysis Date: 03/14/2001

Lab ID#'s in Batch: LR 69204, 69205, 69206, 69207, 69229, 69067, 69247, 69237

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| CL | 300.0 | 312 | 200 | 549 | 548 | 119 | 118 | 0.2 |
| SO4 | 300.0 | 880 | 200 | 1067 | 1066 | 94 | 93 | 0.1 |
| NO3 | 300.0 | 11.5 | 100 | 104 | 104 | 93 | 93 | 0.0 |
| NO2 | 300.0 | ND | 100 | 100 | 100 | 100 | 100 | 0.0 |

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup*

*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*%Recovery Limits: 80 - 120 %*

*%RPD Limit: 20 %*

## PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| Test | Method | PREP BLK | LCS | | | | |
|---|---|---|---|---|---|---|---|
| | | Value | Result | True | %Rec | L.Limit | H.Limit |
| CL | 300.0 | ND | 51.0 | 50 | 102 | 90% | 110% |
| SO4 | 300.0 | ND | 49.3 | 50 | 99 | 90% | 110% |
| NO3 | 300.0 | ND | 23.1 | 25 | 92 | 90% | 110% |
| NO2 | 300.0 | ND | 9.9 | 10 | 99 | 90% | 110% |

*VALUE = Preparation Blank Value; ND = Not-Detected*

*LCS = Lab Control Sample Result*

*TRUE = True Value of LCS*

*L.LIMIT / H.LIMIT = LCS Control Limits*

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 69204 - 251458

Matrix: WATER

Prep. Date: 03/16/01

Analysis Date: 03/16/01

ID#'s in Batch: LR 69204, 69205, 69206, 69207, 69308, 69195, 69067, 69265

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| MERCURY | 245.1 / 7470A | ND | 0.002 | 0.0019 | 0.0021 | 95.0 | 105.0 | 10.0 |

*ND = Not - Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *%REC LIMITS = 75 - 125* |
| *RPD LIMITS = 20* |

## PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| PREP BLK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | True | %Rec | L.Limit | H.Limit |
| ND | 0.0047 | 0.005 | 94.0 | 80% | 120% |

*Value = Preparation Blank Value*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES
## LCS/MB REPORT FORM

QC Code #: H031501W12 Prep. Method : 3010

Prep. Date : 03/15/01 Matrix : WATER Wt./Vol : 0.5ml/25ml

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Lab ID#'s in Batch: LR 69288, 69289, 69292, 69291, 69290, 69287, 69207, 69204, 69205, 69206, 69247, 69267, 69067

Reporting Units : mg/L

| Lab Control Sample (LCS) | | | | | | | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| **Element** | **Method** | **Result** | **True** | **%Rec** | **L.Limit** | **H.Limit** | **DLR** | **ND** |
| Arsenic | 200.7 | 2.044 | 2.0 | 102.2 | 80% | 120% | 0.005 | U |
| Selenium | 200.7 | 1.969 | 2.0 | 98.5 | 80% | 120% | 0.004 | U |
| Thallium | 200.7 | 2.114 | 2.0 | 105.7 | 80% | 120% | 0.003 | U |
| Lead | 200.7 | 2.065 | 2.0 | 103.3 | 80% | 120% | 0.002 | U |
| Aluminum | 200.7 | 1.987 | 2.0 | 99.4 | 80% | 120% | 0.030 | U |
| Antimony | 200.7 | 1.999 | 2.0 | 100.0 | 80% | 120% | 0.006 | U |
| Barium | 200.7 | 2.020 | 2.0 | 101.0 | 80% | 120% | 0.002 | U |
| Beryllium | 200.7 | 2.105 | 2.0 | 105.3 | 80% | 120% | 0.001 | U |
| Boron | 200.7 | 2.057 | 2.0 | 102.9 | 80% | 120% | 0.010 | U |
| Cadmium | 200.7 | 1.950 | 2.0 | 97.5 | 80% | 120% | 0.004 | U |
| Chromium | 200.7 | 1.998 | 2.0 | 99.9 | 80% | 120% | 0.003 | U |
| Cobalt | 200.7 | 2.043 | 2.0 | 102.2 | 80% | 120% | 0.005 | U |
| Copper | 200.7 | 1.945 | 2.0 | 97.3 | 80% | 120% | 0.004 | U |
| Iron | 200.7 | 1.975 | 2.0 | 98.8 | 80% | 120% | 0.011 | U |
| Manganese | 200.7 | 1.960 | 2.0 | 98.0 | 80% | 120% | 0.002 | U |
| Molybdenum | 200.7 | 2.028 | 2.0 | 101.4 | 80% | 120% | 0.010 | U |
| Nickel | 200.7 | 2.022 | 2.0 | 101.1 | 80% | 120% | 0.008 | U |
| Vanadium | 200.7 | 1.945 | 2.0 | 97.3 | 80% | 120% | 0.005 | U |
| Zinc | 200.7 | 1.965 | 2.0 | 98.3 | 80% | 120% | 0.002 | U |
| Silver | 200.7 | 0.940 | 1.0 | 94.0 | 80% | 120% | 0.005 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*
*L.LIMIT / H.LIMIT = Low / High Control Limits*
*PB = Preparation Blank; ND = " U " for Non- Detected*

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 69288 - 251714

Matrix: WATER

Prep. Date: 03/15/01

Analysis Date: 03/16/01

Lab ID#'s in Batch: LR 69288, 69289, 69292, 69291, 69290, 69287, 69207, 69204, 69205, 69206, 69247, 69267, 69067

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 200.7 | 0.004 | | 0.1 | 0.125 | 0.122 | 121.0 | 118.0 | 2.4 |
| Selenium | 200.7 | 0.005 | | 0.1 | 0.087 | 0.095 | 82.0 | 90.0 | 8.8 |
| Thallium | 200.7 | 0.005 | | 0.1 | 0.114 | 0.111 | 109.0 | 106.0 | 2.7 |
| Lead | 200.7 | 0.002 | | 0.2 | 0.216 | 0.213 | 107.0 | 105.5 | 1.4 |
| Barium | 200.7 | 0.019 | | 1.0 | 1.100 | 1.090 | 108.1 | 107.1 | 0.9 |
| Beryllium | 200.7 | 0.001 | U | 1.0 | 1.200 | 1.200 | 120.0 | 120.0 | 0.0 |
| Cadmium | 200.7 | 0.004 | | 1.0 | 1.100 | 1.040 | 109.6 | 103.6 | 5.6 |
| Chromium | 200.7 | 0.012 | | 1.0 | 1.090 | 1.080 | 107.8 | 106.8 | 0.9 |
| Cobalt | 200.7 | 0.005 | | 1.0 | 1.050 | 1.040 | 104.5 | 103.5 | 1.0 |
| Copper | 200.7 | 0.063 | | 1.0 | 1.190 | 1.170 | 112.7 | 110.7 | 1.7 |
| Nickel | 200.7 | 0.007 | U | 1.0 | 1.070 | 1.050 | 107.0 | 105.0 | 1.9 |
| Silver | 200.7 | 0.005 | U | 0.4 | 0.320 | 0.310 | 80.0 | 77.5 | 3.2 |
| Vanadium | 200.7 | 0.005 | U | 1.0 | 1.090 | 1.070 | 109.0 | 107.0 | 1.9 |
| Zinc | 200.7 | 0.017 | | 1.0 | 1.110 | 1.100 | 109.3 | 108.3 | 0.9 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 68417/247511

Matrix: WATER

Prep. Date: 03/12/01

Analysis Date: 03/12/01

ID#'s in Batch: LR 68417, 69067

**SAMPLE RESULT / SAMPLE DUPLICATE**

Reporting Units = mg/L

| Test | Method | Sample Result | Sample Duplicate | RPD |
|---|---|---|---|---|
| TSS | 160.2 | 150 | 146 | 2.7 |

*RPD = Relative Percent Difference of Sample Result and Sample Duplicate*

*RPD LIMITS = 20*

*ND = "U" - Not Detected*

*RPD = Relative Percent Difference of Sample Result and Sample Duplicate*

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 69261

Matrix: WATER

Prep. Date: 03/16/01

Analysis Date: 03/16/01

ID#'s in Batch: LR 69261, 69067

**SAMPLE RESULT / SAMPLE DUPLICATE**

Reporting Units = mg/L

| Test | Method | Sample Result | Sample Duplicate | RPD |
|---|---|---|---|---|
| TDS | 160-1 | 646 | 642 | 0.6 |

*RPD LIMITS = 20*

*RPD = Relative Percent Difference of Sample Result and Sample Duplicate*

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

| PREP BLANK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | TRUE | % Rec | L. Limit | H. Limit |
| ND | 294 | 293 | 100.3 | 80% | 120% |

*Value = Preparation Blank Value; ND = Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

Attachment E

# SUPPLEMENTAL REQUIREMENTS
For
# NPDES PERMIT APPLICATIONS

**Pollutant analyses/measurements:**

Analyses/measurement for the following pollutants should accompany the NPDES application for discharges of wastewater to surface waters:

**Conventional**

- pH
- Suspended solids
- $BOD_5$ 20°C
- Oil and grease
- Settleable solids
- Turbidity
- Total dissolved solids
- Chlorides
- Sulfates
- Nitrites + Nitrates (as Nitrogen)
- Sulfides
- Boron

**Metals**

- Arsenic
- Chromium
- Silver
- Cadmium
- Selenium
- Lead
- Mercury
- Copper
- Zinc

**Base, Neutral, & Acid Extractables**

- ~~1,4-dichlorobenzene~~
- Phenols
- Phenolic compounds (chlorinated)

**Volatile Organics Chemicals**

- Benzene
- Toluene
- Xylene
- Ethylbenzene
- Carbon tetrachloride
- Tetrachloroethylene
- Trichloroethane
- 1,1-dichloroethane
- 1,2-dichloroethylene
- 1,1-dichloroethylene
- Vinyl chloride
- MTBE (Methyl Tertiary Butyl Ether)

**Total Petroleum Hydrocarbons**

Using both EPA 418.1 and EPA ~~8015 (modified) methods~~.

**Alternative Method of Disposal:**

The application should also be accompanied by a feasibility study of reuse of the wastewater, and if reuse is not feasible, alternatives for disposal other than surface waters.

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69067

# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 20 of ____

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, 123A
Irvine, CA
PROJECT NAME 202887-01

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) [signature]

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled X Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | (See Danielle) TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| RHR-N-SW-1 | Surface Water | 3-9-01 | | X | | | 12 | | NPDES Analysis/Metals 6010 |
| RHR-N-SW-2 | ↓ | ↓ | | X | | | 12 | | ↓ |
| RHR-S-SW-1 | ↓ | ↓ | | X | | | 12 | | ↓ |
| RHR-S-SW-2 | ↓ | ↓ | | X | | | 12 | | ↓ |
| RHR-S-SED-1 | Soil Sample | ↓ | | | | X | 1 | | VOCs w/ Fuel oxygenates 8260B/SVOCs 8270/ Metals 6010/Oil + Grease 1664/TPH gas, diesel, oil 8015A ★ |
| RHR-S-SED-2 | ↓ | ↓ | | | | X | 1 | | ↓ |
| SGR-N-SED-1 | ↓ | ↓ | | | | X | 1 | | ↓ |
| SGR-N-SED-2 | ↓ | ↓ | | | | X | 1 | | ↓ |
| SGR-N-SED-3 | ↓ | ↓ | | | | X | 1 | | ↓ |
| SGR-S-Sed-1 | ↓ | ↓ | | | | X | 1 | | ↓ |
| SGR-S-Sed-2 | ↓ | ↓ | | | | X | 1 | | ↓ |
| SGR-S-Sed-3 | ↓ | ↓ | | | | X | 1 | | ↓ |
| TB | Travel Blank | | | X | | | 1 | | VOCs |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-9-01 4PM |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time |
| [signature] | [signature] | 3-9-01 |

Special Instructions: ★(cont) Organochlorine Pesticides 8081/Organophosphorus Pesticides 8141A/ Chlorinated Herbicides 8151A

I hereby autorize the performance of the above indicated work.

[signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

Tomorrow 3-12 12:05

**ASSOCIATED LABORATORIES**
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69147
REPORTED 04/05/2001
RECEIVED 03/09/2001

PROJECT CalTrans/I-10/Pb Inv.

SUBMITTER Client

COMMENTS Added TCLP Lead to order #251135, 139, 152 on 4/12/01.
Added pH to order #251140 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251119 | 1W1-C-2 |
| 251120 | 7E3-A-SF |
| 251121 | 7E3-A-1 |
| 251122 | 7E3-A-2 |
| 251123 | 4E2-D-SF |
| 251124 | 4E2-D-1 |
| 251125 | 4E2-D-2 |
| 251126 | 4E2-E-SF |
| 251127 | 4E2-E-1 |
| 251128 | 4E2-E-2 |
| 251129 | 3W6-B-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69147

REPORTED 04/05/2001

RECEIVED 03/09/2001

PROJECT CalTrans/I-10/Pb Inv.

SUBMITTER Client

COMMENTS Added TCLP Lead to order #251135, 139, 152 on 4/12/01.
Added pH to order #251140 on 4/17/01.

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| Order No. | Client Sample Identification |
|---|---|
| 251130 | 3W6-B-1 |
| 251131 | 3W6-B-2 |
| 251132 | 3W6-A-SF |
| 251133 | 3W6-A-1 |
| 251134 | 3W6-A-2 |
| 251135 | 3W2-B-SF |
| 251136 | 8E4-B-SF |
| 251137 | 8E4-B-1 |
| 251138 | 8E4-B-2 |
| 251139 | 8E5-A-SF |
| 251140 | 8E5-A-1 |
| 251141 | 8E4-A-SF |
| 251142 | 8E4-A-1 |
| 251143 | 8E4-A-2 |
| 251144 | 8E3-A-SF |
| 251145 | 8E3-A-1 |
| 251146 | 8E3-A-2 |
| 251147 | 8E2-A-SF |
| 251148 | 8E2-A-1 |

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Added pH to order #251140 on 4/17/01.

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| Order No. | Client Sample Identification |
|---|---|
| 251149 | 3W2-B-1 |
| 251150 | 3W2-B-2 |
| 251151 | 1W1-K-SF |
| 251152 | 1W1-K-1 |
| 251153 | 1W1-K-2 |
| 251154 | 3W4-A-SF |
| 251155 | 3W4-A-1 |
| 251156 | 3W4-A-2 |
| 251157 | 3W3-A-SF |
| 251158 | 3W3-A-1 |
| 251159 | 3W3-A-2 |

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ASSOCIATED LABORATORIES by,

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**Order #:** 251119 **Client Sample ID:** 1W1-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.01 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 865 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.30 | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 37.4 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 251120 **Client Sample ID:** 7E3-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 306 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 12.8 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 251121 **Client Sample ID:** 7E3-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 169 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.45 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251122 **Client Sample ID:** 7E3-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.16 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 11.6 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251123 **Client Sample ID:** 4E2-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 234 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.63 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251124 **Client Sample ID:** 4E2-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 50.2 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 0.82 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251125 **Client Sample ID:** 4E2-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 23.3 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251126 **Client Sample ID:** 4E2-E-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 569 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 11.1 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251127 **Client Sample ID:** 4E2-E-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 43.9 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251128 **Client Sample ID:** 4E2-E-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 58.7 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.15 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 251129 **Client Sample ID:** 3W6-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 453 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 15.8 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 251130 **Client Sample ID:** 3W6-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 56.6 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.14 | 0.2 | mg/L | 03/30/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251131 **Client Sample ID:** 3W6-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.27 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 38.9 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251132 **Client Sample ID:** 3W6-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 74.7 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.77 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 251133 **Client Sample ID:** 3W6-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 16.5 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251134 **Client Sample ID:** 3W6-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 20.8 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251135 **Client Sample ID:** 3W2-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 0.28 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 95.5 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | ND | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251136 **Client Sample ID:** 8E4-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,010 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251137 **Client Sample ID:** 8E4-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 272 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.50 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251138 **Client Sample ID:** 8E4-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 54.3 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.35 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251139 **Client Sample ID:** 8E5-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 3.56 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,240 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251140 **Client Sample ID:** 8E5-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.06 | | NA | 04/18/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 345 | 10.0 | mg/Kg | 03/30/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 10.4 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251141 **Client Sample ID:** 8E4-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 505 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 19.5 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251142 **Client Sample ID:** 8E4-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 117 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.72 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251143 **Client Sample ID:** 8E4-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 82.5 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.24 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251144 **Client Sample ID:** 8E3-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 5.23 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 724 | 20.0 | mg/Kg | 03/17/01 | Kn |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.38 | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 81.8 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251145 **Client Sample ID:** 8E3-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 207 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.7 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251146 **Client Sample ID:** 8E3-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 122 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 4.43 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 251147 **Client Sample ID:** 8E2-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 713 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 17.6 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 251148 **Client Sample ID:** 8E2-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 41.3 | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 251149 **Client Sample ID:** 3W2-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 41.2 | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251150 **Client Sample ID:** 3W2-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 34.7 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251151 **Client Sample ID:** 1W1-K-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 2,340 | 50.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251152 **Client Sample ID:** 1W1-K-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 2.12 | 0.1 | mg/L | 04/19/01 NK |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 2,120 | 50.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251153 **Client Sample ID:** 1W1-K-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,110 | 50.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251154 **Client Sample ID:** 3W4-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.88 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 83.8 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 13.1 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 251155 **Client Sample ID:** 3W4-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251156 **Client Sample ID:** 3W4-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251157 **Client Sample ID:** 3W3-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 135 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.19 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 251158 **Client Sample ID:** 3W3-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 251159 **Client Sample ID:** 3W3-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.36 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69145 - 251070

Matrix: SOLID

Prep. Date: 03/17/01

Analysis Date: 03/19/01

ID#'s in Batch: LR 69145

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 30.80 | | 32.90 | | 6.6 | 94.2 | 135.0 | 110.6 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 88.4 | 100.0 | 113.1 |
| Lead | 7420 | 118.00 | | 117.00 | | 0.9 | 94.7 | 233.0 | 121.4 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 96.7 | 107.0 | 110.7 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031701SO5678 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 101 | 100 | 101.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 105 | 100 | 105.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250318

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69053, 69055, 69057, 69061, 69092, 69094, 69139, 69147

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 9.51 | | 2.0 | 11.9 | 11.7 | NC | NC | 1.7 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP1 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.280 | 2 | 114.0 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

## CHAIN OF CUSTODY RECORD

Date 3/9/01 Page 10 of _____

69147

CLIENT ~~CALTRANS~~ Minyo & Moore
ADDRESS 9272 Jeronimo Rd STE 123A
Irvine CA 92618

PROJECT MANAGER David Shaber
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature)

PROJECT NAME
CALTRANS I-10 Pb INV.

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| JW1-C2 | I10 - ON RAMP | 3/9/01 | | | | X | 1 | Pb | Lead 7000 |
| JE3-A-SF | ↓ | ↓ | | | | X | 1 | ↓ | ↓ |
| JE3-A-1 | | | | | | X | 1 | | |
| JE3-A-2 | | | | | | X | 1 | | |

Relinquished by: (Signature)
Received by: (Signature)
Date/Time 3-9-01 4PM

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature)
Date/Time 3-9-01 1400

Special Instructions:

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# ASSOCIATED LABORATORIES

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(714) 771-6900 • Fax: (714) 538-1209

## CHAIN OF CUSTODY RECORD

Date 3/9/01 Page 1 of 11

609147

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine CA 92618
PROJECT NAME # 202887-01
CALTRANS/I-10 HOV/Soil sample

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 4E2-0-SF | Soil sample | 3/9/01 | | | | X | 1 | | Lead 7000 Series |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 4E2-E-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 3W6-B-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 3W6-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 3W28-SF | | | | | | X | | | |

Relinquished by: (Signature)
Received by: (Signature)
Date/Time 3-9-01

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature) Ken Wilson
Date/Time 1700 3-9-01

Special Instructions:

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(714) 771-6900 • Fax: (714) 538-1209

# CHAIN OF CUSTODY RECORD

Date 3/9/01 Page 12 of 12

69147

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine, CA 92618
PROJECT NAME /# 202887-01
CALTRANS / I-10 HOV / Soil sample

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 8E4-B-SF | Soil sample | 3/9/01 | | | | X | 1 | | Lead 7000 Series |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 8E5-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| 8E4-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 8E3-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 8E2-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| | LaVonda Jones | 3-9-01 2:00 PM |
| Relinquished by: (Signature) LaVonda Jones | Received by Laboratory for analysis: (Signature) | Date/Time 3-9-01 1700 |

Special Instructions:

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**ASSOCIATED LABORATORIES**

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(714) 771-6900 • FAX: (714) 538-1209

# CHAIN OF CUSTODY RECORD

Date 3/9/01 Page 3 of ##

69147

CLIENT Ninyo & Moore

ADDRESS 92782 Jeronimo Rd, Ste 123A
Irvine, CA 92618

PROJECT NAME/# 202887-01
CALTRANS/I-10 HOV/Soil sampling

PROJECT MANAGER David Shaker

PHONE NUMBER 949-472-5444

SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO. OF CNTNRS. | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W2-B-1 | Soil sample | 3/9/01 | | | | X | 1 | | Lead 7000 Series |
| -2 | | | | | | X | | | |
| 1W1-K-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 3W4-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 3W3-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| | | | | | | | | | |

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 3-9-01 1100

Relinquished by: (Signature)

Received by Laboratory for analysis: (Signature) Ken Hvisq

Date/Time 3-9-01 1700

Special Instructions:

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**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69145
REPORTED 04/05/2001
RECEIVED 03/09/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Samples

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251064 | 1W1-RW99-ABT-D-SF |
| 251065 | 1W1-RW99-ABT-D-1 |
| 251066 | 1W1-RW99-ABT-D-2 |
| 251067 | 1W1-RW99-ABT-D-3 |
| 251068 | 1W1-RW99-ABT-C-SF |
| 251069 | 1W1-RW99-ABT-C-1 |
| 251070 | 7E3-B-SF |
| 251071 | 7E3-C-SF |
| 251072 | 7E3-C-1 |
| 251073 | 7E3-D-SF |
| 251074 | 7E3-E-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69145

REPORTED 04/05/2001

RECEIVED 03/09/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Samples

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251075 | 7E3-F-SF |
| 251076 | 7E3-G-SF |
| 251077 | 7E3-H-SF |
| 251078 | 3W7-J-SF |
| 251079 | 3W7-J-1 |
| 251080 | 3W7J-2 |
| 251081 | 4E1-A-SF |
| 251082 | 4E1-A-1 |
| 251083 | 4E1-A-2 |
| 251084 | 3E3-G-SF |
| 251085 | 3E3-G-1 |
| 251086 | 3E3-G-2 |
| 251087 | 3E3-F-SF |
| 251088 | 3E3-F-1 |
| 251089 | 3E3-F-2 |
| 251090 | 3E3-E-SF |
| 251091 | 3E3-E-1 |
| 251092 | 3E3-E-2 |
| 251093 | 3E3-D-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69145

REPORTED 04/05/2001

RECEIVED 03/09/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Samples

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251094 | 1W1-D-SF |
| 251095 | 1W1-D-1 |
| 251096 | 1W1-D-2 |
| 251097 | 1W1-RW497-C-SF |
| 251098 | 1W1-RW497-C-1 |
| 251099 | 1W1-RW497-C-2 |
| 251100 | 1W1-RW497-C-5 |
| 251101 | 1W1-B-SF |
| 251102 | 1W1-B-1 |
| 251103 | 1W1-B-2 |
| 251104 | 1W1-C-SF |
| 251105 | 1W1-C-1 |
| 251106 | 3E3-D-1 |
| 251107 | 3E3-D-2 |
| 251108 | 3E3-C-SF |
| 251109 | 3E3-C-1 |
| 251110 | 3E3-C-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*Environmental*

**Order #:** 251064 **Client Sample ID:** 1W1-RW99-ABT-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 64.3 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.90 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 251065 **Client Sample ID:** 1W1-RW99-ABT-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 60.7 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.53 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 251066 **Client Sample ID:** 1W1-RW99-ABT-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 21.4 | 10.0 | mg/Kg | 03/19/01 NK |

**Order #:** 251067 **Client Sample ID:** 1W1-RW99-ABT-D-3 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 24.4 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251068 **Client Sample ID:** 1W1-RW99-ABT-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.09 | | NA | 04/19/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 19.7 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251069 **Client Sample ID:** 1W1-RW99-ABT-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 13.9 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251070 **Client Sample ID:** 7E3-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 30.8 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251071 **Client Sample ID:** 7E3-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 34.6 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251072 **Client Sample ID:** 7E3-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 88.2 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.05 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 251073 **Client Sample ID:** 7E3-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 33.8 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251074 **Client Sample ID:** 7E3-E-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 72.1 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.47 | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251075 **Client Sample ID:** 7E3-F-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.36 | | NA | 03/19/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 34.2 | 10.0 | mg/Kg | 03/19/01 NK |

**Order #:** 251076 **Client Sample ID:** 7E3-G-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 30.3 | 10.0 | mg/Kg | 03/19/01 NK |

**Order #:** 251077 **Client Sample ID:** 7E3-H-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 20.7 | 10.0 | mg/Kg | 03/19/01 NK |

**Order #:** 251078 **Client Sample ID:** 3W7-J-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 905 | 20.0 | mg/Kg | 03/19/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.26 | 0.2 | mg/L | 04/05/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 57.6 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 251079 **Client Sample ID:** 3W7-J-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251080 **Client Sample ID:** 3W7J-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251081 **Client Sample ID:** 4E1-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.38 | | NA | 03/19/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 39.6 | 10.0 | mg/Kg | 03/19/10 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251082 **Client Sample ID:** 4E1-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 114 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.77 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 251083 **Client Sample ID:** 4E1-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 97.4 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.64 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 251084 **Client Sample ID:** 3E3-G-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 94.6 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.32 | 0.2 | mg/L | 03/29/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251085 **Client Sample ID:** 3E3-G-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 118 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 6.55 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 251086 **Client Sample ID:** 3E3-G-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 300 | 10.0 | mg/Kg | 03/19/10 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.99 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 251087 **Client Sample ID:** 3E3-F-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 125 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 NK |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 7.96 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 251088 **Client Sample ID:** 3E3-F-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 102 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.34 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 251089 **Client Sample ID:** 3E3-F-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.27 | | NA | 03/19/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 57.7 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.65 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 251090 **Client Sample ID:** 3E3-E-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 118 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.53 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 251091 **Client Sample ID:** 3E3-E-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 46.9 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251092 **Client Sample ID:** 3E3-E-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 41.3 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251093 **Client Sample ID:** 3E3-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 65.4 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.16 | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251094 **Client Sample ID:** 1W1-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.03 | | NA | 03/19/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 792 | 20.0 | mg/Kg | 03/19/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 6.56 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 251095 **Client Sample ID:** 1W1-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/19/01 NK |

**Order #:** 251096 **Client Sample ID:** 1W1-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 286 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 NK |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 17.2 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 251097 **Client Sample ID:** 1W1-RW497-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 8.12 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,960 | 100.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251098 **Client Sample ID:** 1W1-RW497-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.6 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251099 **Client Sample ID:** 1W1-RW497-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 10.9 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251100 **Client Sample ID:** 1W1-RW497-C-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/19/01 | Nk |

**Order #:** 251101 **Client Sample ID:** 1W1-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 534 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 28.4 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 251102 **Client Sample ID:** 1W1-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.87 | | NA | 03/19/01 | NJ |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | |
| Mercury | 0.30 | 0.12 | mg/Kg | 03/20/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | |
| Antimony | ND | 1.50 | mg/Kg | 03/30/01 | KN |
| Arsenic | 3.10 | 0.25 | mg/Kg | 03/23/01 | HN |
| Barium | 65.7 | 0.20 | mg/Kg | 03/30/01 | KN |
| Beryllium | 0.19 | 0.10 | mg/Kg | 03/30/01 | KN |
| Cadmium | ND | 0.30 | mg/Kg | 03/30/01 | KN |
| Chromium | 10.6 | 0.50 | mg/Kg | 03/30/01 | KN |
| Cobalt | 6.80 | 0.50 | mg/Kg | 03/30/01 | KN |
| Copper | 25.1 | 0.50 | mg/Kg | 03/30/01 | KN |
| Lead | 104 | 0.25 | mg/Kg | 03/23/01 | HN |
| Molybdenum | ND | 0.65 | mg/Kg | 03/30/01 | KN |
| Nickel | 10.9 | 0.60 | mg/Kg | 03/30/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Selenium | ND | 0.20 | mg/Kg | 03/23/01 | HN |
| Silver | ND | 0.50 | mg/Kg | 03/30/01 | KN |
| Thallium | ND | 0.40 | mg/Kg | 03/23/01 | HN |
| Vanadium | 18.1 | 0.20 | mg/Kg | 03/30/01 | KN |
| Zinc | 102 | 0.30 | mg/Kg | 03/30/01 | KN |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 161 | 10.0 | mg/Kg | 03/19/01 | NK |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.20 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 251103 **Client Sample ID:** 1W1-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 79.2 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 4.91 | 0.2 | mg/L | 04/05/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.67 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 251104 **Client Sample ID:** 1W1-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,040 | 100.0 | mg/Kg | 04/12/01 | HN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251105 **Client Sample ID:** 1W1-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/19/01 NK |

**Order #:** 251106 **Client Sample ID:** 3E3-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 21.7 | 10.0 | mg/Kg | 03/19/01 NK |

**Order #:** 251107 **Client Sample ID:** 3E3-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 23.3 | 10.0 | mg/Kg | 03/19/01 NK |

**Order #:** 251108 **Client Sample ID:** 3E3-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 287 | 10.0 | mg/Kg | 03/19/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 12.0 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 251109 **Client Sample ID:** 3E3-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 38.0 | 10.0 | mg/Kg | 03/19/01 | NK |

**Order #:** 251110 **Client Sample ID:** 3E3-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 225 | 10.0 | mg/Kg | 03/19/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/05/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 14.8 | 0.4 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69145 - 251082

Matrix: STLC (DI)

Prep. Date: 04/03/01

Analysis Date: 04/05/01

Lab ID#'s in Batch: LR 69145

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 6.81 | | 2 | 8.66 | 8.59 | 92.5 | 89.0 | 0.8 |
| Lead | 7420 | 4.11 | | 2 | 6.05 | 6.07 | 97.0 | 98.0 | 0.3 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69145 - 251082

Matrix: STLC

Prep. Date: 03/26/01

Analysis Date: 03/29/01

Lab ID#'s in Batch: LR 69145

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 5.77 | | 2 | 7.76 | 7.74 | 99.5 | 98.5 | 0.3 |
| Lead | 7420 | 1.99 | | 2 | 3.87 | 3.73 | 94.0 | 87.0 | 3.7 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 69145 - 251102

Matrix: SOLID

Prep. Date: 03/20/01

Analysis Date: 03/20/01

ID#'s in Batch: LR 69145, 69498, 69092, 69093, 69526

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| MERCURY | 245.5 / 7471A | 0.30 | 0.73 | 0.99 | 0.98 | 94.5 | 93.2 | 1.0 |

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *%REC LIMITS = 75 - 125* |
| *RPD LIMITS = 20* |

## PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| PREP BLK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | True | %Rec | L.Limit | H.Limit |
| ND | 0.74 | 0.77 | 96.1 | 80% | 120% |

*Value = Preparation Blank Value; ND = Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES
## LCS/MB REPORT FORM

QC Code #: H032001S034 Prep. Method : 3050

Prep. Date : 03/20/01 Matrix : SOLID Wt./Vol : 1g/100ml

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Lab ID#'s in Batch: LR 69093, 69526, 69145, 69498

Reporting Units : mg/Kg

**Lab Control Sample (LCS)**

| | | | | | | | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| **Element** | **Method** | **Result** | **True** | **%Rec** | **L.Limit** | **H.Limit** | **PB** | **ND** |
| Arsenic | 6010 | 198.6 | 200 | 99.3 | 80% | 120% | 0.200 | U |
| Selenium | 6010 | 195.0 | 200 | 97.5 | 80% | 120% | 0.370 | U |
| Thallium | 6010 | 205.9 | 200 | 103.0 | 80% | 120% | 0.240 | U |
| Lead | 6010 | 193.7 | 200 | 96.9 | 80% | 120% | 0.250 | U |
| Aluminum | 6010 | 204.1 | 200 | 102.1 | 80% | 120% | 1.070 | U |
| Antimony | 6010 | 206.2 | 200 | 103.1 | 80% | 120% | 1.440 | U |
| Barium | 6010 | 199.8 | 200 | 99.9 | 80% | 120% | 0.200 | U |
| Beryllium | 6010 | 200.1 | 200 | 100.1 | 80% | 120% | 0.100 | U |
| Boron | 6010 | 205.2 | 200 | 102.6 | 80% | 120% | 0.600 | U |
| Cadmium | 6010 | 199.4 | 200 | 99.7 | 80% | 120% | 0.200 | U |
| Chromium | 6010 | 201.2 | 200 | 100.6 | 80% | 120% | 0.590 | U |
| Cobalt | 6010 | 203.0 | 200 | 101.5 | 80% | 120% | 0.670 | U |
| Copper | 6010 | 198.5 | 200 | 99.3 | 80% | 120% | 0.220 | U |
| Molybdenum | 6010 | 204.7 | 200 | 102.4 | 80% | 120% | 0.650 | U |
| Manganese | 6010 | 197.6 | 200 | 98.8 | 80% | 120% | 0.500 | U |
| Nickel | 6010 | 205.6 | 200 | 102.8 | 80% | 120% | 0.680 | U |
| Vanadium | 6010 | 196.5 | 200 | 98.3 | 80% | 120% | 0.230 | U |
| Zinc | 6010 | 196.8 | 200 | 98.4 | 80% | 120% | 0.340 | U |
| Silver | 6010 | 92.32 | 100 | 92.3 | 80% | 120% | 0.500 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*
*L.LIMIT / H.LIMIT = Low / High Control Limits*
*PB = Preparation Blank; ND = " U " for Non- Detected*

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250807

Matrix: SOLID

Prep. Date: 03/20/01

Analysis Date: 03/21/01

Lab ID#'s in Batch: LR 69093, 69526, 69145, 69498

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/Kg

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 6010 | 2.00 | | 99.20 | 79.00 | 85.00 | 77.6 | 83.7 | 7.3 |
| Barium | 6010 | 129.00 | | 99.20 | 238.00 | 219.00 | 109.9 | 90.7 | 8.3 |
| Beryllium | 6010 | 0.19 | | 99.20 | 78.00 | 87.00 | 78.4 | 87.5 | 10.9 |
| Cadmium | * 6010 | 0.61 | | 99.20 | 73.40 | 79.00 | 73.4 | 79.0 | 7.3 |
| Chromium | 6010 | 15.30 | | 99.20 | 92.00 | 101.00 | 77.3 | 86.4 | 9.3 |
| Cobalt | 6010 | 6.60 | | 99.20 | 84.00 | 91.00 | 78.0 | 85.1 | 8.0 |
| Copper | * 6010 | 128.30 | | 99.20 | 154.00 | 161.00 | 25.9 | 33.0 | 4.4 |
| Molybdenum | 6010 | 0.65 | U | 99.20 | 77.00 | 83.00 | 77.6 | 83.7 | 7.5 |
| Nickel | * 6010 | 19.10 | | 99.20 | 91.00 | 99.00 | 72.5 | 80.5 | 8.4 |
| Silver | * 6010 | 0.50 | U | 99.20 | 68.00 | 74.00 | 68.5 | 74.6 | 8.5 |
| Vanadium | 6010 | 19.60 | | 99.20 | 97.00 | 104.00 | 78.0 | 85.1 | 7.0 |
| Zinc | * 6010 | 311.00 | | 99.20 | 391.00 | 373.00 | 80.6 | 62.5 | 4.7 |
| Arsenic | 6010 | 5.23 | | 9.92 | 14.60 | 13.10 | 94.5 | 79.3 | 10.8 |
| Selenium | * 6010 | 0.83 | | 9.92 | 8.13 | 7.65 | 73.6 | 68.7 | 6.1 |
| Thallium | * 6010 | 0.40 | U | 9.92 | 8.40 | 7.41 | 84.7 | 74.7 | 12.5 |
| Lead | 6010 | 3902.00 | | 19.80 | 3859.00 | 3706.00 | NC | NC | 4.0 |

** = MS/MSD outside Limits. LCS/MB Accepted.*

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69145 - 251070

Matrix: SOLID

Prep. Date: 03/17/01

Analysis Date: 03/19/01

ID#'s in Batch: LR 69145

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 30.80 | | 32.90 | | 6.6 | 94.2 | 135.0 | 110.6 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 88.4 | 100.0 | 113.1 |
| Lead | 7420 | 118.00 | | 117.00 | | 0.9 | 94.7 | 233.0 | 121.4 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 96.7 | 107.0 | 110.7 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031701SO5678 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 101 | 100 | 101.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 105 | 100 | 105.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 71112 - 258664

Matrix: TCLP

Prep. Date: 04/19/01

Analysis Date: 04/20/01

Lab ID#'s in Batch: LR 71112, 69145

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.1 | U | 2 | 1.92 | 2.00 | 96.0 | 100.0 | 4.1 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041901TCLP2 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 1.93 | 2 | 96.5 | 80 % | 120 % | 0.100 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

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69145

# CHAIN OF CUSTODY RECORD

Date 3/9/01 Page 5 of

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO RD STE 123A
IRVINE CA 92618
PROJECT NAME 202887-01
CALTRANS/I-10 HOV/Soil sampling

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949) 472-5444
SAMPLERS: (Signature) JAL

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO. OF CNTNRS. | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| IW1-RW99 ABT-D SF | Soil sample | 3/9/01 | | | | X | 1 | | Lead 7000 |
| -1 | | ↓ | | | | X | 1 | | ↓ |
| -2 | | | | | | X | 1 | | |
| -3 | | | | | | X | 1 | | |
| IW1-RW99 ABT-C SF | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | LaVon D Jones J | 3-9-01 CIPN |
| Relinquished by: (Signature) LaVon D Jones J | Received by Laboratory for analysis: (Signature) [signature] Ken Hulse | Date/Time 3-9-01 1700 |

Special Instructions:

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# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 6 of 6

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo Rd Ste 123A
Irvine CA 92618
PROJECT NAME 202887-01
CALTRANS/I-10 HOV/Soil sampling
PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature) JAL

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO. OF CNTNRS. | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 7E3-B SF | Soil Sample | 3/9/01 | | | | X | 1 | | LOAD 7000 Series |
| 7E3-C SF | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| 7E3-D SF | | | | | | X | 1 | | |
| 7E3-E SF | | | | | | X | 1 | | |
| 7E3-F SF | | | | | | X | 1 | | |
| 7E3-G SF | | | | | | X | 1 | | |
| 7E3-H SF | | | | | | X | 1 | | |
| 3W7-J SF | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| -2 | | | | | | X | 1 | | |
| | | | | | | | | | |

Relinquished by: (Signature) Steve Rau
Received by: (Signature) LaVonis D Jones
Date/Time 3-9-01 4 PM

Relinquished by: (Signature) LaVonis D Jones
Received by Laboratory for analysis: (Signature) Ken Mills
Date/Time 3-9-01

Special Instructions:

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Steve Rau

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09145

# CHAIN OF CUSTODY RECORD

Date 3/9/01 Page 1 of _____

CLIENT ~~CALTRANS~~ Nmyo & Moore
ADDRESS 9272 Jeronimo Rd Ste 123
CA Irvine CA 92618
PROJECT NAME CALTRANS I-10 Pb INV.
PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472 5484
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 4E1-A-SF | I-10 ON RAMP | 3/9/01 | | | | X | 1 | Pb | Lead 7000 |
| 4E1-A-1 | | | | | | X | 1 | Pb | |
| 4E1-A-2 | | | | | | X | 1 | Pb | |
| 3E3-G-SF | | | | | | X | 1 | Pb | |
| 3E3-G-1 | | | | | | X | 1 | Pb | |
| 3E3-G-2 | | | | | | X | 1 | Pb | |
| 3E3-F-SF | | | | | | X | 1 | Pb | |
| 3E3-F-1 | | | | | | X | 1 | Pb | |
| 3E3-F-2 | | | | | | X | 1 | Pb | |
| 3E3-E-SF | | | | | | X | 1 | Pb | |
| 3E3-E-1 | | | | | | X | 1 | Pb | |
| 3E3-E-2 | | | | | | X | 1 | Pb | |
| 3E3-D-SF | | | | | | X | 1 | Pb | |

Relinquished by: (Signature)
Received by: (Signature)
Date/Time 3-9-01 4 PM

Relinquished by: (Signature) LaVonne Jones Jr.
Received by Laboratory for analysis: (Signature)
Date/Time 1700 3-9-01

Special Instructions:

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# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 8 of ____

CLIENT ~~CALTRANS~~ Ninyo & Moore
ADDRESS 9272 Jeronimo Rd Ste 123
Irvine CA 92618
PROJECT NAME CALTRANS I-10 Pb Inv.
PROJECT MANAGER David Shafer
PHONE NUMBER 949 472 5244
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO. OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| IW1-D-5 | I-10 ON RAMP | 3/9/01 | | | | X | 1 | Pb | Lead 7000 |
| IW1-D-1 | | | | | | X | 1 | | |
| IW1-D-2 | | | | | | X | 1 | | |
| IW1 RW 497-C-5 | | | | | | X | 1 | | |
| IW1 RW 497-C-1 | | | | | | X | 1 | | |
| IW1-RW 497-C-2 | | | | | | X | 1 | | |
| IW1-RW 497-C-5 | | | | | | X | 1 | | |
| IW1-B-5 | | | | | | X | 1 | | |
| IW1-B-1 | | | | | | X | 1 | | |
| IW1-B-2 | | | | | | X | 1 | | |
| IW1-C-5 | | | | | | X | 1 | | |
| IW1-C-1 | | | | | | X | 1 | | |

Relinquished by: (Signature)
Received by: (Signature)
Date/Time 3-9-01 4 PM

Relinquished by: (Signature) LaVon D Jones II
Received by Laboratory for analysis: (Signature) Ken Hussey
Date/Time 3-9-1700

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# CHAIN OF CUSTODY RECORD

Date 3/9/01 Page 9 of ____

CLIENT ~~CALTRANS~~ NINYO & MOORE
ADDRESS 9272 JERONIMO RD. SUITE #123 92618
~~CALTRANS I-10 PB INV.~~ IRVINE CA.

PROJECT NAME
CALTRANS I-10 PB INV.

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472 5444
SAMPLERS: (Signature) [signature]

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3E3-D-1 | I-10 ON RAMP | 3/9/01 | | | | X | 1 | Pb | Lead 7000 |
| 3E3-D-2 | ↓ | ↓ | | | | X | 1 | Pb | ↓ |
| 3E3-C-SF | ↓ | ↓ | | | | X | 1 | Pb | ↓ |
| 3E3-C-1 | ↓ | ↓ | | | | X | 1 | Pb | ↓ |
| 3E3-C-2 | ↓ | ↓ | | | | X | 1 | Pb | ↓ |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-9-01 4 PM |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time |
| [signature] | [signature] Ken Hulse | 3-9-01 1700 |

Special Instructions:

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68946
REPORTED 04/09/2001
RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249892 | 2E1-RW470-ABT-A-SF |
| 249893 | 2E1-RW470-ABT-A-1 |
| 249894 | 2E1-RW470-ABT-A-2 |
| 249895 | 2E1-RW470-B-SF |
| 249896 | 2E1-RW470-B-1 |
| 249897 | 2E1-RW470-B-2 |
| 249898 | 2E1-RW470-B-5 |
| 249899 | 2E1-RW470-C-SF |
| 249900 | 2E1-RW470-C-1 |
| 249901 | 2E1-RW470-C-2 |
| 249902 | 2E1-RW470-C-5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68946

REPORTED 04/09/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249903 | 2E1-RW470-D-SF |
| 249904 | 2E1-RW470-D-1 |
| 249905 | 2E1-RW470-D-2 |
| 249906 | 2E1-RW470-D-5 |
| 249907 | 4E1-D-SF |
| 249908 | 4E1-D-1 |
| 249909 | 4E1-D-2 |
| 249910 | 4E2-RW524-B-SF |
| 249911 | 4E2-RW524-B-1 |
| 249912 | 4E2-RW524-B-2 |
| 249913 | 4E2-RW524-B-3 |
| 249914 | 4E2-RW524-C-SF |
| 249915 | 4E2-RW524-C-1 |
| 249916 | 4E2-RW524-C-2 |
| 249917 | 4E2-RW524-C-3 |
| 249918 | 3E3-RW504-D-2 |
| 249919 | 5E2-A-SF |
| 249920 | 5E2-A-1 |
| 249921 | 5E2-A-2 |

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ASSOCIATED LABORATORIES by,

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Vice President

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68946

REPORTED 04/09/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249922 | 5E5-B-SF |
| 249923 | 5E5-B-1 |
| 249924 | 5E5-B-2 |
| 249925 | 5E4-B-SF |
| 249926 | 5E4-B-1 |
| 249927 | 5E4-B-2 |
| 249928 | 7E3-RW570ABT-A-SF |
| 249929 | 7E3-RW570ABT-A-1 |
| 249930 | 7E3-RW570ABT-A-2 |
| 249931 | 7E3-RW570-B-SF |
| 249932 | 7E3-RW570-B-1 |
| 249933 | 7E3-RW570-B-2 |
| 249934 | 7E3-RW570-C-SF |
| 249935 | 7E3-RW570-C-1 |
| 249936 | 7E3-RW570-C-2 |
| 249937 | 7E3-RW570-D-SF |
| 249938 | 7E3-RW570-D-1 |
| 249939 | 7E3-RW570-D-2 |

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ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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**Order #:** 249892 **Client Sample ID:** 2E1-RW470-ABT-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 153 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.22 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 249893 **Client Sample ID:** 2E1-RW470-ABT-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 20.3 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249894 **Client Sample ID:** 2E1-RW470-ABT-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249895 **Client Sample ID:** 2E1-RW470-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 138 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.74 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 249896 **Client Sample ID:** 2E1-RW470-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 10.4 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249897 **Client Sample ID:** 2E1-RW470-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249898 **Client Sample ID:** 2E1-RW470-B-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249899 **Client Sample ID:** 2E1-RW470-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.40 | | NA | 03/15/01 | NJ |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 19.9 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249900 **Client Sample ID:** 2E1-RW470-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 20.3 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249901 **Client Sample ID:** 2E1-RW470-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 26.1 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249902 **Client Sample ID:** 2E1-RW470-C-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249903 **Client Sample ID:** 2E1-RW470-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 15.5 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249904 **Client Sample ID:** 2E1-RW470-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 11.2 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249905 **Client Sample ID:** 2E1-RW470-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 43.1 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249906 **Client Sample ID:** 2E1-RW470-D-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 40.3 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249907 **Client Sample ID:** 4E1-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 189 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 0.58 | 0.2 | mg/L | 04/06/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249908 **Client Sample ID:** 4E1-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 31.4 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249909 **Client Sample ID:** 4E1-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 56.2 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 0.47 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 249910 **Client Sample ID:** 4E2-RW524-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.86 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 40.8 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249911 **Client Sample ID:** 4E2-RW524-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 22.6 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249912 **Client Sample ID:** 4E2-RW524-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 37.2 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249913 **Client Sample ID:** 4E2-RW524-B-3 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 48.3 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249914 **Client Sample ID:** 4E2-RW524-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 33.1 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249915 **Client Sample ID:** 4E2-RW524-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 46.3 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249916 **Client Sample ID:** 4E2-RW524-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 39.0 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249917 **Client Sample ID:** 4E2-RW524-C-3 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 34.4 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249918 **Client Sample ID:** 3E3-RW504-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 25.4 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249919 **Client Sample ID:** 5E2-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 363 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.25 | 0.2 | mg/L | 04/09/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 9.87 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 249920 **Client Sample ID:** 5E2-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 149 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.44 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 249921 **Client Sample ID:** 5E2-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.6 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249922 **Client Sample ID:** 5E5-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 17.6 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249923 **Client Sample ID:** 5E5-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249924 **Client Sample ID:** 5E5-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249925 **Client Sample ID:** 5E4-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 225 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 11.7 | 2.0 | mg/L | 04/06/01 | NK |

**Order #:** 249926 **Client Sample ID:** 5E4-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 21.9 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249927 **Client Sample ID:** 5E4-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 24.3 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249928 **Client Sample ID:** 7E3-RW570ABT-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 76.9 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.11 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 249929 **Client Sample ID:** 7E3-RW570ABT-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 41.7 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249930 **Client Sample ID:** 7E3-RW570ABT-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 57.8 | 10.0 | mg/Kg | 03/28/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 0.95 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 249931 **Client Sample ID:** 7E3-RW570-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 42.8 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 249932 **Client Sample ID:** 7E3-RW570-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 89.6 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.32 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 249933 **Client Sample ID:** 7E3-RW570-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 84.5 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.70 | 0.2 | mg/L | 04/06/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249934 **Client Sample ID:** 7E3-RW570-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 38.3 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 249935 **Client Sample ID:** 7E3-RW570-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 62.4 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.34 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 249936 **Client Sample ID:** 7E3-RW570-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 66.0 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.06 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 249937 **Client Sample ID:** 7E3-RW570-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**150.1 pH**

| | | | | | |
|---|---|---|---|---|---|
| pH | 7.76 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 67.9 | 10.0 | mg/Kg | 03/28/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 1.69 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 249938 **Client Sample ID:** 7E3-RW570-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 66.4 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.72 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 249939 **Client Sample ID:** 7E3-RW570-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 49.7 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 68946 - 249900

Matrix: SOLID

Prep. Date: 03/15/01

Analysis Date: 03/28/01

ID#'s in Batch: LR 68946

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 20.40 | | 11.30 | | 57.4 | 94.5 | 118.0 | 103.3 |
| Lead | 7420 | 40.80 | | 38.70 | | 5.3 | 93.8 | 122.0 | 86.6 |
| Lead | 7420 | 149.00 | | 75.30 | | 65.7 | 91.2 | 249.0 | 109.6 |
| Lead | 7420 | 57.90 | | 59.20 | | 2.2 | 89.7 | 149.0 | 101.6 |
| Lead | 7420 | 49.70 | | 15.70 | | 104.0 | 95.8 | 137.0 | 91.1 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031501SO8910-11-12 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 85 | 100 | 85.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 93 | 100 | 93.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 92 | 100 | 92.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 90 | 100 | 90.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 93 | 100 | 93.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68946 - 249892

Matrix: STLC

Prep. Date: 04/06/01

Analysis Date: 04/06/01

Lab ID#'s in Batch: LR 68946

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 4.22 | | 2 | 5.86 | 5.85 | 82.0 | 81.5 | 0.2 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69350 - 251937

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 69350, 68946

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.14 | 2.23 | 107.0 | 111.5 | 4.1 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

(6) 68496

# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 1 of 4

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO RD., STE 123A
IRVINE, CA. 92618
PROJECT NAME 202887-01
CALTRANS/I-10 HOV/SOIL SAMPLING
PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) [signature]

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2EI-RW470-ABT-A-SF | SOIL SAMPLE | 3/7/01 | | | | X | 1 | | LEAD 7000 SERIES |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 2EI-RW470-B-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 5' | | | | | | | | | |
| 2EI-RW470-C-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 5' | | | | | | | | | |
| 2EI-RW470-D-SF | | | | | | | | | |
| 1' | | | | | | | | | |

| | | |
|---|---|---|
| Relinquished by: (Signature) [signature] | Received by: (Signature) [signature] | Date/Time 3-7-01 5:PM |
| Relinquished by: (Signature) [signature] | Received by Laboratory for analysis: (Signature) [signature] Ken Hurley | Date/Time 1700 3-7-01 |
| Special Instructions: | | |

I hereby autorize the performance of the above indicated work.

[signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

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L8496

# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 2 of 4

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO RD., STE 123A
IRVINE CA. 92618
PROJECT NAME 202887-01
CALTRANS/I-10 HOV/SOIL SAMPLING

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) [signature]

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2E1-RW470-D-2' | SOIL SAMPLE | 3/7/01 | | | | X | 1 | | LEAD 7000 SERIES |
| 5' | | | | | | | | | |
| 4E1-D-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 4E2-RW524-B-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 3' | | | | | | | | | |
| 4E2-RW524-C-SF | | | | | | | | | |
| 1' | | | | | | | | | |
| 2' | | | | | | | | | |
| 3' | | | | | | | | | |

Relinquished by: (Signature) [signature]
Received by: (Signature) [signature] Date/Time 3-7-01 5 PM

Relinquished by: (Signature) [signature]
Received by Laboratory for analysis: (Signature) [signature] Ken Hulsey Date/Time 3-7-01 1700

Special Instructions:

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[signature]

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(714) 771-6900 • Fax: (714) 538-1209

68496

# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 3 of 4

CLIENT Ninyo + Moore

ADDRESS ~~5710 Ruffin Rd~~ 9272 Jeronimo Rd, 123A
Irvine, CA 92618

PROJECT NAME # 202887-01
CALTRANS / I-10 HOV / SOIL SAMPLING

PROJECT MANAGER DAVID SHALER

PHONE NUMBER (949) 472-5444

SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular ✓ 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3E3-RW504-D-2 | Soil Sample | 3/7/01 | | | | X | 1 | | Lead 7000 Series |
| 5E2-A-SF | | | | | | | | | |
| - 1 | | | | | | | | | |
| - 2 | | | | | | | | | |
| 5E5-B-SF | | | | | | | | | |
| - 1 | | | | | | | | | |
| - 2 | | | | | | | | | |
| 5E4-B-SF | | | | | | | | | |
| - 1 | | | | | | | | | |
| - 2 | | | | | | | | | |
| 3E3-RW504-ABT-A-SF | | | | | | | | | |
| | -1 | | | | | | | | |
| | -2 | | | | | | | | |

Relinquished by: (Signature)

Received by: (Signature) LaVonis D Jones Q

Date/Time 3-7-01 5:PM

Relinquished by: (Signature) LaVonis D Jones Q

Received by Laboratory for analysis: (Signature) Ken Hulsey

Date/Time 3-7-01 1700

Special Instructions:

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# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 4 of 4

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine, CA 92618
PROJECT NAME # 202887-01
CALTRANS/I-10 HOV/SOIL SAMPLING

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular ✓ 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 7E3-RW570-B-SF | Soil samples | 3/7/01 | | | | X | 1 | | Lead 7000 Series |
| " | -1 | " | | | | " | " | | |
| " | -2 | " | | | | " | " | | |
| 7E3-RW570-C-SF | | " | | | | " | " | | |
| " | -1 | " | | | | " | " | | |
| " | -2 | " | | | | " | " | | |
| 7E3-RW570-D-SF | | " | | | | " | " | | |
| " | -1 | " | | | | " | " | | |
| " | -2 | " | | | | " | " | | |

Relinquished by: (Signature)
Received by: (Signature) LaVonia D Jones
Date/Time 3-7-01 5:PM

Relinquished by: (Signature) LaVonia D Jones
Received by Laboratory for analysis: (Signature) Ken Hulsey
Date/Time 3-7-01 1700

Special Instructions:

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69139
REPORTED 04/09/2001
RECEIVED 03/09/2001

PROJECT CalTrans/I-10 HOV/Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #251027 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251019 | 5E3-A-SF |
| 251020 | 5E3-A-1 |
| 251021 | 5E3-A-2 |
| 251022 | 5E4-A-SF |
| 251023 | 5E4-A-1 |
| 251024 | 5E2-B-SF |
| 251025 | 5E2-B-1 |
| 251026 | 5E2-B-2 |
| 251027 | 5E2-C-SF |
| 251028 | 5E2-C-1 |
| 251029 | 5E2-C-2 |
| 251030 | 5E5-A-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69139

REPORTED 04/09/2001

RECEIVED 03/09/2001

PROJECT CalTrans/I-10 HOV/Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #251027 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251031 | 5E5-A-1 |
| 251032 | 5E5-A-2 |
| 251033 | 5E5-C-SF |
| 251034 | 5E5-C-1 |
| 251035 | 5E5-C-2 |
| 251036 | 3W7-E-SF |
| 251037 | 3W7-E-1 |
| 251038 | 3W7-D-SF |
| 251039 | 3W7-D-1 |
| 251040 | 3W7-D-2 |
| 251041 | 3W7-B-SF |
| 251042 | 3W7-C-SF |
| 251043 | 3W7-C-1 |
| 251044 | 1W1-RW99-A-SF |
| 251045 | 1W1-RW99-A-1 |
| 251046 | 1W1-RW99-A-2 |
| 251047 | 1W1-RW99-B-SF |
| 251048 | 1W1-RW99-B-1 |
| 251049 | 1W1-RW99-B-2 |
| 251050 | 3W7-I-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

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Vice President

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69139

REPORTED 04/09/2001

RECEIVED 03/09/2001

PROJECT CalTrans/I-10 HOV/Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #251027 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251051 | 3W7-I-1 |
| 251052 | 3W7-I-2 |
| 251053 | 3W10-A-SF |
| 251054 | 3W7-H-SF |
| 251055 | 3W7-H-1 |
| 251056 | 3W7-H-2 |
| 251057 | 3W7-G-SF |
| 251058 | 3W7-G-1 |
| 251059 | 3W7-F-SF |
| 251060 | 3W7-F-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

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Edward S. Behare, Ph.D.
Vice President

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**Order #:** 251019 **Client Sample ID:** 5E3-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 15.9 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 251020 **Client Sample ID:** 5E3-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 12.6 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 251021 **Client Sample ID:** 5E3-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 251022 **Client Sample ID:** 5E4-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 15.5 | 10.0 | mg/Kg | 03/28/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251023 **Client Sample ID:** 5E4-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 35.2 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251024 **Client Sample ID:** 5E2-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 70.7 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.42 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251025 **Client Sample ID:** 5E2-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251026 **Client Sample ID:** 5E2-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251027 **Client Sample ID:** 5E2-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 2.47 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 4,020 | 100.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251028 **Client Sample ID:** 5E2-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 100 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251029 **Client Sample ID:** 5E2-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 83.2 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.69 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251030 **Client Sample ID:** 5E5-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 543 | 20.0 | mg/Kg | 03/28/01 | NK |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.36 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 16.4 | 2.0 | mg/L | 04/06/01 | NK |

**Order #:** 251031 **Client Sample ID:** 5E5-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 9.93 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251032 **Client Sample ID:** 5E5-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 89.2 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.14 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251033 **Client Sample ID:** 5E5-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|

**7420 Lead by Atomic Absorption**
DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251034 **Client Sample ID:** 5E5-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 75.0 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.32 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.57 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251035 **Client Sample ID:** 5E5-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251036 **Client Sample ID:** 3W7-E-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 31.8 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251037 **Client Sample ID:** 3W7-E-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 33.9 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251038 **Client Sample ID:** 3W7-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 70.7 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.96 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251039 **Client Sample ID:** 3W7-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 269 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.10 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251040 **Client Sample ID:** 3W7-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 316 | 10.0 | mg/Kg | 03/28/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.77 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251041 **Client Sample ID:** 3W7-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 60.8 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.76 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251042 **Client Sample ID:** 3W7-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 76.4 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.07 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251043 **Client Sample ID:** 3W7-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 77.1 | 10.0 | mg/Kg | 03/28/01 | NK |

**7420 STLC Lead by AA**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 0.89 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251044 **Client Sample ID:** 1W1-RW99-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251045 **Client Sample ID:** 1W1-RW99-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 13.0 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251046 **Client Sample ID:** 1W1-RW99-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.96 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251047 **Client Sample ID:** 1W1-RW99-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251048 **Client Sample ID:** 1W1-RW99-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 36.7 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 251049 **Client Sample ID:** 1W1-RW99-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 23.9 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 251050 **Client Sample ID:** 3W7-I-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 66.9 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.82 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 251051 **Client Sample ID:** 3W7-I-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 58.1 | 10.0 | mg/Kg | 03/28/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 1.60 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251052 **Client Sample ID:** 3W7-I-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 47.2 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251053 **Client Sample ID:** 3W10-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 23.1 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 251054 **Client Sample ID:** 3W7-H-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 162 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.58 | 0.2 | mg/L | 04/06/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251055 **Client Sample ID:** 3W7-H-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 83.5 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.22 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251056 **Client Sample ID:** 3W7-H-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 126 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.87 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251057 **Client Sample ID:** 3W7-G-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 176 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.94 | 0.2 | mg/L | 04/06/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251058 **Client Sample ID:** 3W7-G-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 82.9 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.76 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251059 **Client Sample ID:** 3W7-F-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 179 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.26 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251060 **Client Sample ID:** 3W7-F-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 55.9 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.54 | 0.2 | mg/L | 04/06/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 70657 - 257165

Matrix: STLC (DI)

Prep. Date: 04/20/01

Analysis Date: 04/23/01

Lab ID#'s in Batch: LR 70657, 69139

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.11 | 2.15 | 105.5 | 107.5 | 1.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250318

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69053, 69055, 69057, 69061, 69092, 69094, 69139, 69147

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 9.51 | | 2.0 | 11.9 | 11.7 | NC | NC | 1.7 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP1 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 2.280 | 2 | 114.0 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69139 - 251043

Matrix: STLC

Prep. Date: 04/06/01

Analysis Date: 04/06/01

Lab ID#'s in Batch: LR 69139

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.89 | | 2 | 2.66 | 2.75 | 88.5 | 93.0 | 3.3 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69139 - 251020

Matrix: SOLID

Prep. Date: 03/19/01

Analysis Date: 03/28/01

ID#'s in Batch: LR 69139

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead 1 | 7420 | 12.70 | | 44.20 | | 110.7 | 99.3 | 133.0 | 121.1 |
| Lead 2 | 7420 | 543.00 | | 574.00 | | 5.6 | 99.4 | 987.0 | NC |
| Lead 3 * | 7420 | 316.00 | | 322.00 | | 1.9 | 98.7 | 533.0 | 219.9 |
| Lead 4 * | 7420 | 67.00 | | 85.90 | | 24.7 | 94.2 | 290.0 | 236.7 |
| Lead 5 | 7420 | 55.90 | | 50.60 | | 10.0 | 97.7 | 138.0 | 84.0 |

** = Post Digest of Recovery for Lead 3 = 85%; Lead 4 = 94%*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031901SO45678 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 87 | 100 | 87.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 91 | 100 | 91.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 90 | 100 | 90.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 93 | 100 | 93.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 96 | 100 | 96.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69139

# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 1 of ____

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618

PROJECT NAME Caltrans/I-10 HOV/Soil Sampling

PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) [signature]

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| SE3-A-SF | I-10 | 3-9-01 | | | | X | 1 | | Lead 7000 Series |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| SE4-A-SF | | | | | | | | | |
| 1 | | | | | | | | | |
| | | | | | | | | | |
| SE2-B-SF | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| SE2-C-SF | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| SE5-A-SF | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | LaVonis D Jones J. | 3-9-01 4 PM |
| Relinquished by: (Signature) LaVonis D Jones J. | Received by Laboratory for analysis: (Signature) [signature] Ken Mulsy | Date/Time 3-9-01 1700 |

Special Instructions:

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[signature]

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**ASSOCIATED LABORATORIES**
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(714) 771-6900 • Fax: (714) 538-1209

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# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 2 of ____

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618

PROJECT NAME Caltrans/I-10 HOV/Soil Sampling

PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) [signature]

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 5E5-A-1 | I-10 | 3-9-01 | | | | X | 1 | | Lead 7000 Series |
| ⊥ 2 | ↓ | ↓ | | | | ↓ | ↓ | | ↓ |
| 5E5-C-SF | | | | | | | | | |
| ⊥ 1 | | | | | | | | | |
| ⊥ 2 | | | | | | | | | |
| 3W7-E-SF | | | | | | | | | |
| ⊥ 1 | | | | | | | | | |
| 3W7-D-SF | | | | | | | | | |
| ⊥ 1 | | | | | | | | | |
| ⊥ 2 | | | | | | | | | |
| 3W7-B-SF | | | | | | | | | |
| 3W7-C-SF | | | | | | | | | |
| ⊥ 1 | ↓ | ↓ | | | | ↓ | ↓ | | ↓ |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-9-01 4:PM |
| Relinquished by: (Signature) [signature] | Received by Laboratory for analysis: (Signature) [signature] Ken Muisey | Date/Time 3-9-01 1500 |

Special Instructions:

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[signature]

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# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 3 of ____

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618

PROJECT NAME
Caltrans/I-10 HOV/Soil Sampling

PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature) [signature]

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO. OF CNTNRS. | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| HW1-RW99-A-5F | I-10 | 3-9-01 | | | | X | 1 | | Lead 7000 Series |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| HW1-RW99-B-5F | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | LaVon D Jones J | 3-9-01 4 pm |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time |
| LaVon D Jones J. | [signature] | 3-9-01 1700 |

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# CHAIN OF CUSTODY RECORD

Date 3/9/01 Page 4 of

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo Rd Ste 123A
Irvine CA 92618
PROJECT NAME 202887-01
CALTRANS/I-10 HOV/Soil Samplings

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949) 472 5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO. OF CNTNRS. | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W7-I SF | Soil Sample | 3/9/01 | | | | X | 1 | | LEAD 7000 SERIES |
| -1 | | | | | | X | 1 | | |
| -2 | | | | | | X | 1 | | |
| 3W10-A SF | | | | | | X | 1 | | |
| 3W7-H SF | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| -2 | | | | | | X | 1 | | |
| 3W7-G SF | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |
| 3W7-F SF | | | | | | X | 1 | | |
| -1 | | | | | | X | 1 | | |

Relinquished by: (Signature) [signature]
Received by: (Signature) Lavon D Jones Jr
Date/Time 3-9-01 4 PM

Relinquished by: (Signature) Lavon D Jones Jr
Received by Laboratory for analysis: (Signature) [signature] Ken Hussey
Date/Time 3-9-01 1500

Special Instructions:

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[signature]

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**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69350
REPORTED 04/09/2001
RECEIVED 03/15/2001

PROJECT #202914-01
CalTrans I-110/Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251936 | 8E-147-1-SF |
| 251937 | 8E-147-1-3 |
| 251938 | 8E-147-1-6 |
| 251939 | 8E-147-1-9 |
| 251940 | 8E-147-2-SF |
| 251941 | 8E-147-2-3 |
| 251942 | 8E-147-2-6 |
| 251943 | 8E-147-2-9 |
| 251944 | 8E-147-3-SF |
| 251945 | 8E-147-3-3 |
| 251946 | 8E-147-3-6 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69350

REPORTED 04/09/2001

RECEIVED 03/15/2001

PROJECT #202914-01
CalTrans I-110/Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251947 | 8E-147-3-9 |
| 251948 | 8E-147-4-SF |
| 251949 | 8E-147-4-3 |
| 251950 | 8E-147-4-6 |
| 251951 | 8E-147-4-9 |
| 251952 | 8E-147-5-SF |
| 251953 | 8E-147-6-SF |
| 251954 | 8E-147-6-3 |
| 251955 | 8E-147-6-6 |
| 251956 | 8E-147-6-9 |
| 251957 | 8E-150-1-SF |
| 251958 | 8E-150-1-3 |
| 251959 | 8E-150-1-6 |
| 251960 | 8E-150-1-9 |
| 251961 | 8E-155-1-SF |
| 251962 | 8E-155-1-3 |
| 251963 | 8E-155-1-6 |
| 251964 | 8E-155-1-9 |
| 251965 | 8E-155-2-SF |

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ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69350

REPORTED 04/09/2001

RECEIVED 03/15/2001

PROJECT #202914-01
CalTrans I-110/Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251966 | 8E-155-2-3 |
| 251967 | 8E-155-2-6 |
| 251968 | 8E-155-2-9 |
| 251969 | 8E-158-1-SF |
| 251970 | 8E-158-1-3 |
| 251971 | 8E-158-1-6 |
| 251972 | 8E-158-1-9 |
| 251973 | 8E-158-2-SF |
| 251974 | 8E-158-2-3 |
| 251975 | 8E-158-2-6 |
| 251976 | 8E-158-2-9 |
| 251977 | 8E-158-3-SF |
| 251978 | 8E-158-3-3 |
| 251979 | 8E-158-3-6 |
| 251980 | 8E-158-3-9 |
| 251981 | 8E-158-4-SF |
| 251982 | 8E-158-4-3 |
| 251983 | 8E-158-4-6 |
| 251984 | 8E-158-4-9 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 251936 **Client Sample ID:** 8E-147-1-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,500 | 50.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251937 **Client Sample ID:** 8E-147-1-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 811 | 50.0 | mg/Kg | 03/27/01 CM |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.73 | 0.2 | mg/L | 04/06/01 KN |

**Order #:** 251938 **Client Sample ID:** 8E-147-1-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 2,000 | 50.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251939 **Client Sample ID:** 8E-147-1-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 602 | 50.0 | mg/Kg | 03/27/01 | CM |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.04 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251940 **Client Sample ID:** 8E-147-2-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 346 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.30 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251941 **Client Sample ID:** 8E-147-2-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 177 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.28 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251942 **Client Sample ID:** 8E-147-2-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 21.8 | 10.0 | mg/Kg | 03/27/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251943 **Client Sample ID:** 8E-147-2-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 41.4 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251944 **Client Sample ID:** 8E-147-3-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 237 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.7 | 2.0 | mg/L | 04/06/01 | KN |

**Order #:** 251945 **Client Sample ID:** 8E-147-3-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.37 | | NA | 04/16/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 155 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 5.60 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251946 **Client Sample ID:** 8E-147-3-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 219 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.81 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251947 **Client Sample ID:** 8E-147-3-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 74.8 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.78 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251948 **Client Sample ID:** 8E-147-4-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 340 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 13.9 | 2.0 | mg/L | 04/06/01 | KN |

**Order #:** 251949 **Client Sample ID:** 8E-147-4-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 218 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.60 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 26.6 | 2.0 | mg/L | 04/06/01 | KN |

**Order #:** 251950 **Client Sample ID:** 8E-147-4-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.54 | | NA | 04/16/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 262 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/23/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 11.5 | 0.4 | mg/L | 04/16/01 | HN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251951 **Client Sample ID:** 8E-147-4-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 63.2 | 10.0 | mg/Kg | 04/12/01 HN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.50 | 0.2 | mg/L | 04/06/01 HN |

**Order #:** 251952 **Client Sample ID:** 8E-147-5-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 2,730 | 100.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251953 **Client Sample ID:** 8E-147-6-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 334 | 50.0 | mg/Kg | 03/27/01 CM |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.96 | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 76.5 | 2.0 | mg/L | 04/06/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251954 **Client Sample ID:** 8E-147-6-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 98.0 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 3.52 | 0.2 | mg/L | 04/06/01 KN |

**Order #:** 251955 **Client Sample ID:** 8E-147-6-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 43.8 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251956 **Client Sample ID:** 8E-147-6-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.31 | | NA | 04/16/01 LN |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 44.8 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251957 **Client Sample ID:** 8E-150-1-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 42.4 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251958 **Client Sample ID:** 8E-150-1-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 33.8 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251959 **Client Sample ID:** 8E-150-1-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 24.7 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251960 **Client Sample ID:** 8E-150-1-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 22.3 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251961 **Client Sample ID:** 8E-155-1-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 113 | 10.0 | mg/Kg | 03/27/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.25 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 7.77 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251962 **Client Sample ID:** 8E-155-1-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 14.5 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251963 **Client Sample ID:** 8E-155-1-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251964 **Client Sample ID:** 8E-155-1-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 14.8 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251965 **Client Sample ID:** 8E-155-2-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 41.7 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251966 **Client Sample ID:** 8E-155-2-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251967 **Client Sample ID:** 8E-155-2-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.73 | | NA | 04/16/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 21.2 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251968 **Client Sample ID:** 8E-155-2-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 23.1 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251969 **Client Sample ID:** 8E-158-1-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 278 | 10.0 | mg/Kg | 03/27/01 | CM |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 6.80 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251970 **Client Sample ID:** 8E-158-1-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 22.9 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251971 **Client Sample ID:** 8E-158-1-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 14.9 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251972 **Client Sample ID:** 8E-158-1-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 13.7 | 10.0 | mg/Kg | 03/27/01 CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251973 **Client Sample ID:** 8E-158-2-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 232 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.85 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251974 **Client Sample ID:** 8E-158-2-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 39.2 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251975 **Client Sample ID:** 8E-158-2-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 31.3 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251976 **Client Sample ID:** 8E-158-2-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 25.5 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251977 **Client Sample ID:** 8E-158-3-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 148 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.89 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251978 **Client Sample ID:** 8E-158-3-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.52 | | NA | 04/16/01 | LN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 76.8 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.41 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251979 **Client Sample ID:** 8E-158-3-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 32.0 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251980 **Client Sample ID:** 8E-158-3-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.7 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251981 **Client Sample ID:** 8E-158-4-SF **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 177 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.21 | 0.2 | mg/L | 04/06/01 | KN |

**Order #:** 251982 **Client Sample ID:** 8E-158-4-3 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 125 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.22 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 12.4 | 2.0 | mg/L | 04/06/01 | KN |

**Order #:** 251983 **Client Sample ID:** 8E-158-4-6 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 15.7 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251984 **Client Sample ID:** 8E-158-4-9 **Log Date:** 03/15/20
**Matrix:** SOLID
**Date Sampled:** 03/15/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 71.4 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.30 | 0.2 | mg/L | 04/06/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69350 - 251940

Matrix: SOLID

Prep. Date: 03/20/01

Analysis Date: 03/27/01

ID#'s in Batch: LR 69350

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 346.00 | | 237.00 | | 37.4 | 98.8 | 438.0 | 93.1 |
| Lead | 7420 | 262.00 | | 227.00 | | 14.3 | 93.4 | 365.0 | 110.3 |
| Lead | 7420 | 22.30 | | 11.50 | | 63.9 | 98.8 | 111.0 | 89.8 |
| Lead | 7420 | 22.90 | | 17.10 | | 29.0 | 97.9 | 114.0 | 93.1 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 93.5 | 101.0 | 108.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H032001SO45678 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 103 | 100 | 103.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 102 | 100 | 102.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 105 | 100 | 105.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 93 | 100 | 93.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68970 - 250093

Matrix: STLC

Prep. Date: 04/06/01

Analysis Date: 04/06/01

Lab ID#'s in Batch: LR 68970, 69390, 69350

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 1 | U | 2 | 2.24 | 2.26 | 112.0 | 113.0 | 0.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69350 - 251937

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 69350, 68946, 69390, 69152

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.14 | 2.23 | 107.0 | 111.5 | 4.1 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

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# CHAIN OF CUSTODY RECORD

Date 3/15/01 Page 1 of 5

CLIENT NINYO & MOORE
ADDRESS 9272 Jeronimo Rd. Ste 123A
Irvine, CA 92618
PROJECT NAME 202914-01
ALTRANS I-110/Soil Sampling

PROJECT MANAGER
Craig Metheny
PHONE NUMBER (949) 472-5454
SAMPLERS: (Signature)

Samples Intact Yes X No ____
Cooled Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| BE/147/1/5F | SOIL SAMPLES | 3/15 | | | | X | 1 | | Lead EPA Series 7000 |
| .3 | | | | | | | | | |
| .6 | | | | | | | | | |
| .9 | | | | | | | | | |
| -147-2-5F | 251940 | | | | | | | | pH 091300 |
| .3 | | | | | | | | | |
| .6 | | | | | | | | | |
| .9 | | | | | | | | | |
| -147-3-5F | | | | | | | | | |
| .3 | 251945 | | | | | | | | pH 091350 |
| .6 | | | | | | | | | |
| .9 | | | | | | | | | |

Relinquished by: (Signature)

Relinquished by: (Signature)

Special Instructions:

Received by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 3/15/01 1525

Date/Time

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# CHAIN OF CUSTODY RECORD

Date 3/15/01 Page 2 of 5

CLIENT NINYO & MOORE
ADDRESS 9272 Jeronimo Rd. Ste 123A
Irvine, CA 92618
PROJECT NAME 202914
CALTRANS I-110/SOIL SAMPLING

PROJECT MANAGER
Geo Craig Methany
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 8E-147-4-SF | SOIL SAMPLE | 3/15 | | | | X | 1 | | LEAD EPA Series 7000 |
| .3 | | | | | | | | | |
| .6 | 251950 | | | | | | | | |
| .9 | | | | | | | | | pH 609350 |
| 8E-147-5-SF | | | | | | | | | |
| 8E-147-6SF | | | | | | | | | |
| .3 | | | | | | | | | |
| .6 | | | | | | | | | |
| .9 | 251950 | | | | | | | | pH 609360 |
| 8E-150-1-SF | | | | | | | | | |
| -.3 | | | | | | | | | |
| .6 | | | | | | | | | |

Relinquished by: (Signature)

Received by: (Signature)

Relinquished by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 3/15/01 1530

Date/Time

Special Instructions:

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04/11/01 08:45 9494725415 NINYO & MOORE 006

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# CHAIN OF CUSTODY RECORD

Date 3/15/01 Page 3 of 5

CLIENT NINYO & MOORE
ADDRESS 9272 Jeronimo Rd. Ste 123A
IRVINE CA 92618
PROJECT NAME 202914-01
CALTRANS F-110/Soil Sampling
PROJECT MANAGER
CRAIG METHENY
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
Courtesy Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| BE-150-1-.9 | SOIL | 3/15 | | | | X | 1 | | LEAD EPA Series 7000 |
| BE-155-1-.3 | | | | | | | | | |
| .6 | | | | | | | | | |
| .9 | | | | | | | | | |
| BE-155-2-.3 | | | | | | | | | |
| .6 | 25960 | | | | | | | | |
| .9 | | | | | | | | | |
| BE-158-1-.3 | | | | | | | | | |
| .6 | | | | | | | | | |

Relinquished by: (Signature)
Received by: (Signature)
Date/Time 3/15 1555
Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature)
Date/Time
Special instructions:

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01/11/01 08:45 9494725445 NINYO & MOORE 007

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# CHAIN OF CUSTODY RECORD

Date 3/15/01 Page 4 of 5

CLIENT Ninyo & Moore

ADDRESS 9272 Jeronimo Rd Ste 123 A
Irvine, CA 92618

PROJECT NAME 202941-01
CALTRANS I-110/Soil Sampling

PROJECT MANAGER
Craig Matheny

PHONE NUMBER (949) 472-5444

SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | AIR | SOLIC | NO OF CNTNRS | SUSP. CONTAM | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| BE-158-1-S | SOIL SAMPLE | 3/15/01 | | | | X | 1 | | LEAD EPA Series 7000 |
| BE-158-2-SF | | | | | | | | | |
| .3 | | | | | | | | | |
| .6 | | | | | | | | | |
| .9 | | | | | | | | | |
| BE-158-3-SF | | | | | | | | | |
| -B | 25978 | | | | | | | | |
| .6 | | | | | | | | | |
| .9 | | | | | | | | | |
| BE-158-4-SF | | | | | | | | | |
| .3 | | | | | | | | | |
| .6 | | | | | | | | | |

(ph) 69350

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 3/15/01 1555

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Received by Laboratory for analysis: (Signature)

Date/Time

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(714) 771-6900 • FAX: (714) 538-1209

# CHAIN OF CUSTODY RECORD

Date 3/14/01 Page 5 of 5

CLIENT NINYO & MOORE
ADDRESS 9272 Jeronimo Rd. Ste. 123A
Irvine, CA 92618
PROJECT NAME 202914-01
ACTRANS I-10 Soil Sampling
PROJECT MANAGER Craig Methenry
PHONE NUMBER (949) 472-5404
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| SE-158-4.9 | SOIL SAMPLE | 3/15/01 | | | | X | 1 | | LEAD EPA SERIES 7000 |

Relinquished by: (Signature)

Relinquished by: (Signature)

Received by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 3/15/01 1525

Date/Time

Special Instructions:

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DISTRIBUTION: White with report, Yellow to AL, Pink to Courier

04/11/01 06:46 9494725445 NINYO & MOORE 009

**ASSOCIATED LABORATORIES**
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68970
REPORTED 04/10/2001
RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Order #250057 was never received.
Added TCLP Lead to order #250045 on 4/12/01.
Added pH to order #250047 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250027 | 2E1-RW88-B-SF |
| 250028 | 2E1-RW88-B-1 |
| 250029 | 2E1-RW88-B-2 |
| 250030 | 2E1-RW88-B-5 |
| 250031 | 2E1-RW88-C-SF |
| 250032 | 2E1-RW88-C-1 |
| 250033 | 2E1-RW88-C-2 |
| 250034 | 2E1-RW88-C-5 |
| 250035 | 2E1-RW88-D-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68970

REPORTED 04/10/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Order #250057 was never received.
Added TCLP Lead to order #250045 on 4/12/01.
Added pH to order #250047 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250036 | 2E1-RW88-D-1 |
| 250037 | 2E1-RW88-D-2 |
| 250038 | 2E1-RW88-D-5 |
| 250039 | 2E1-F-SF |
| 250040 | 2E1-F-1 |
| 250041 | 2E1-F-2 |
| 250042 | 2E2-A-SF |
| 250043 | 2E2-A-1 |
| 250044 | 2E2-A-2 |
| 250045 | 2E3-A-SF |
| 250046 | 2E3-A-1 |
| 250047 | 2E3-A-2 |
| 250048 | 4E1-RW516ABT-A-SF |
| 250049 | 4E1-RW516ABT-A-1 |
| 250050 | 4E1-RW516ABT-A-2 |
| 250051 | 4E1-RW516-B-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68970

REPORTED 04/10/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Order #250057 was never received.
Added TCLP Lead to order #250045 on 4/12/01.
Added pH to order #250047 on 4/17/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250052 | 4E1-RW516-B-1 |
| 250053 | 4E1-RW516-B-2 |
| 250054 | 4E1-RW516-C-SF |
| 250055 | 4E1-RW516-C-1 |
| 250056 | 4E1-RW516-C-2 |
| 250057 | 4E1-RW516-C-5 |
| 250058 | 4E1-RW516-D-SF |
| 250059 | 4E1-RW516-D-1 |
| 250060 | 4E1-RW516-D-2 |
| 250061 | 4E1-RW516-D-5 |
| 250062 | 4E1-RW20-A-SF |
| 250063 | 4E1-RW20-A-1 |
| 250064 | 4E1-RW20-A-2 |
| 250065 | 4E1-RW20-A-5 |
| 250066 | 6E1-RW552-A-SF |
| 250067 | 6E1-RW552-A-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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**Order #:** 250027 **Client Sample ID:** 2E1-RW88-B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 42.1 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250028 **Client Sample ID:** 2E1-RW88-B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 11.1 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250029 **Client Sample ID:** 2E1-RW88-B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 48.4 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250030 **Client Sample ID:** 2E1-RW88-B-5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250031 **Client Sample ID:** 2E1-RW88-C-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 520 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.41 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 38.1 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 250032 **Client Sample ID:** 2E1-RW88-C-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250033 **Client Sample ID:** 2E1-RW88-C-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 17.5 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250034 **Client Sample ID:** 2E1-RW88-C-5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250035 **Client Sample ID:** 2E1-RW88-D-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 6.42 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 49.6 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250036 **Client Sample ID:** 2E1-RW88-D-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250037 **Client Sample ID:** 2E1-RW88-D-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250038 **Client Sample ID:** 2E1-RW88-D-5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 12.1 | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250039 **Client Sample ID:** 2E1-F-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 47.0 | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250040 **Client Sample ID:** 2E1-F-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250041 **Client Sample ID:** 2E1-F-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.75 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 70.3 | 10.0 | mg/Kg | 03/13/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.57 | 0.2 | mg/L | 04/02/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250042 **Client Sample ID:** 2E2-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 19.5 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250043 **Client Sample ID:** 2E2-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 42.0 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250044 **Client Sample ID:** 2E2-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 91.2 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.26 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 7.06 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 250045 **Client Sample ID:** 2E3-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**1311/7420 TCLP Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead TCLP | 0.73 | 0.1 | mg/L | 04/19/01 | NK |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,860 | 100.0 | mg/Kg | 03/13/10 | NK |

**Order #:** 250046 **Client Sample ID:** 2E3-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | No sample | | NA | |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | No sample | 10.0 | mg/Kg | |

**Order #:** 250047 **Client Sample ID:** 2E3-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 6.71 | | NA | 04/17/01 LN |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 149 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.52 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 18.8 | 2.0 | mg/L | 04/02/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250048 **Client Sample ID:** 4E1-RW516ABT-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 36.9 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250049 **Client Sample ID:** 4E1-RW516ABT-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250050 **Client Sample ID:** 4E1-RW516ABT-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 20.8 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250051 **Client Sample ID:** 4E1-RW516-B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 34.9 | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250052 **Client Sample ID:** 4E1-RW516-B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 32.8 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250053 **Client Sample ID:** 4E1-RW516-B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 83.5 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.46 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.39 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 250054 **Client Sample ID:** 4E1-RW516-C-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.90 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250055 **Client Sample ID:** 4E1-RW516-C-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 52.7 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.45 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 250056 **Client Sample ID:** 4E1-RW516-C-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 179 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.64 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 9.40 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 250058 **Client Sample ID:** 4E1-RW516-D-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 40.5 | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250059 **Client Sample ID:** 4E1-RW516-D-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.41 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 34.7 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250060 **Client Sample ID:** 4E1-RW516-D-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 27.9 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250061 **Client Sample ID:** 4E1-RW516-D-5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250062 **Client Sample ID:** 4E1-RW20-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250063 **Client Sample ID:** 4E1-RW20-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250064 **Client Sample ID:** 4E1-RW20-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250065 **Client Sample ID:** 4E1-RW20-A-5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250066 **Client Sample ID:** 6E1-RW552-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 42.5 | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250067 **Client Sample ID:** 6E1-RW552-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.79 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 65.6 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.31 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 250068 **Client Sample ID:** 6E1-RW552-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 101 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.09 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 250069 **Client Sample ID:** 6E1-RW552-A-5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 41.8 | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250070 **Client Sample ID:** 6E1-RW552-B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 47.3 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250071 **Client Sample ID:** 6E1-RW552-B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 45.2 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250072 **Client Sample ID:** 6E1-RW552-B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 34.1 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250073 **Client Sample ID:** 6E1-RW552-B-5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 37.4 | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250074 **Client Sample ID:** 6E1-RW552-C-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 120 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.45 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 7.87 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 250075 **Client Sample ID:** 6E1-RW552-C-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 33.2 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250076 **Client Sample ID:** 6E1-RW552-C-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.75 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 12.0 | 10.0 | mg/Kg | 03/13/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250077 **Client Sample ID:** 6E1-RW552-C-3 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 30.3 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250078 **Client Sample ID:** 6E1-RW552-D-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 433 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.60 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 15.0 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 250079 **Client Sample ID:** 6E1-RW552-D-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 23.7 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250080 **Client Sample ID:** 6E1-RW552-D-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250081 **Client Sample ID:** 6E1-RW552-D-3 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 27.9 | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250082 **Client Sample ID:** 8E5-B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 482 | 10.0 | mg/Kg | 03/13/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.48 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 36.7 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 250083 **Client Sample ID:** 8E5-B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 735 | 20.0 | mg/Kg | 03/13/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.51 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**
DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 40.6 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 250084 **Client Sample ID:** 8E5-B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 64.7 | 10.0 | mg/Kg | 03/13/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.42 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.11 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 250085 **Client Sample ID:** 8E5-RW100-A-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 75.2 | 10.0 | mg/Kg | 03/13/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.48 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.50 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 250086 **Client Sample ID:** 8E5-RW100-A-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| pH | 7.45 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 15.1 | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250087 **Client Sample ID:** 8E5-RW100-A-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250088 **Client Sample ID:** 8E5-RW100-A-3 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 13.3 | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250089 **Client Sample ID:** 8E5-C-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 6.91 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 62.6 | 10.0 | mg/Kg | 03/13/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.71 | 0.2 | mg/L | 04/02/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250090 **Client Sample ID:** 8E5-C-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 13.2 | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250091 **Client Sample ID:** 8E5-C-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 NK |

**Order #:** 250092 **Client Sample ID:** 8E5-RW-100-B-SF **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 332 | 10.0 | mg/Kg | 03/13/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 16.5 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 250093 **Client Sample ID:** 8E5-RW-100-B-1 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 329 | 10.0 | mg/Kg | 03/13/01 | NK |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 17.3 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 250094 **Client Sample ID:** 8E5-RW-100-B-2 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250095 **Client Sample ID:** 8E5-RW-100-B-5 **Log Date:** 03/09/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 13.1 | 10.0 | mg/Kg | 03/13/01 | NK |

**Order #:** 250740 **Client Sample ID:** 4E1-RW88-C-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 30.2 | 10.0 | mg/Kg | 03/13/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68970 - 250085

Matrix: STLC

Prep. Date: 03/17/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 68970

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 5.5 | | 2 | 7.79 | 7.81 | 114.5 | 115.5 | 0.3 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68970 - 250093

Matrix: STLC (DI)

Prep. Date: 04/06/01

Analysis Date: 04/06/01

Lab ID#'s in Batch: LR 68970, 69390, 69350

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 1 | U | 2 | 2.24 | 2.26 | 112.0 | 113.0 | 0.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 68970 - 250036

Matrix: SOLID

Prep. Date: 03/11/01

Analysis Date: 03/13/01

ID#'s in Batch: LR 68970

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 99.1 | 102.0 | 102.9 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 96.2 | 100.0 | 104.0 |
| Lead | 7420 | 45.20 | | 40.90 | | 10.0 | 97.0 | 143.0 | 100.8 |
| Lead | 7420 | 34.10 | | 41.50 | | 19.6 | 95.9 | 137.0 | 107.3 |
| Lead | 7420 | 30.30 | | 30.90 | | 2.0 | 96.9 | 137.0 | 110.1 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 95.2 | 105.0 | 110.3 |
| Lead | 7420 | 13.20 | | 17.20 | | 26.3 | 99.0 | 102.0 | 89.7 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031101SO1234567

Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1

Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 106 | 100 | 106.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 112 | 100 | 112.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 108 | 100 | 108.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 95 | 100 | 95.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 97 | 100 | 97.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 103 | 100 | 103.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250806

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69058, 69093, 68919, 68921, 68970, 68974

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 6.84 | | 2.0 | 9.10 | 9.14 | 113.0 | 115.0 | 0.4 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP2 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 2.210 | 2 | 110.5 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

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(S) 5x13 50 65

68970

# CHAIN OF CUSTODY RECORD

Date 3-7-01 Page 1 of

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618
PROJECT NAME 202887-01
Caltrans/I-10 HOV/Soil Sampling

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No
County Seals Intact Yes No X
Sample Ambient X Cooled Frozen
Same Day 24 Hr.
Regular X 48 Hr.

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2E1-RW88-B-SF | I-10 | 3-7-01 | | | | X | 1 | | Lead 7000 Series |
| 2E1-RW88-B-1 | | | | | | | | | |
| 2E1-RW88-B-2 | | | | | | | | | |
| 2E1-RW88-B-5 | | | | | | | | | |
| 2E1-RW88-C-SF | | | | | | | | | |
| 2E1-RW88-C-1 | | | | | | | | | |
| 2E1-RW88-C-2 | | | | | | | | | |
| 2E1-RW88-C-5 | | | | | | | | | |
| 2E1-RW88-D-SF | | | | | | | | | |
| 2E1-RW88-D-1 | | | | | | | | | |
| 2E1-RW88-D-2 | | | | | | | | | |
| 2E1-RW88-D-5 | | | | | | | | | |
| 2E1-F-SF | | | | | | | | | |

Relinquished by: (Signature) Stan Rau
Received by: (Signature) LaVonia Jones
Date/Time 3-7-01 5:10PM

Relinquished by: (Signature) LaVonia D Jones
Received by Laboratory for analysis: (Signature) Allen Vargas
Date/Time 3-7-01

Special Instructions:

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F. Fu

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## CHAIN OF CUSTODY RECORD

Date 3-7-01 Page 2 of ____

CLIENT Ninyo & Moore

ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618

PROJECT NAME 202887-01
Caltrans/I-10 HOV/Soil Sampling

PROJECT MANAGER David Shaler

PHONE NUMBER 949-472-5444

SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2E1-F-1 | I-10 | 3-7-01 | | | | X | 1 | | Lead 7000 Series |
| 2E1-F-2 | | | | | | | | | |
| 2E2-A-SF | | | | | | | | | |
| 2E2-A-1 | | | | | | | | | |
| 2E2-A-2 | | | | | | | | | |
| 2E3-A-SF | | | | | | | | | |
| 2E3-A-1 | | | | | | | | | |
| 2E3-A-2 | | | | | | | | | |
| 4E1-RW516ABT-A-SF | | | | | | | | | |
| 4E1-RW516ABT-A-1 | | | | | | | | | |
| 4E1-RW516ABT-A-2 | | | | | | | | | |
| 4E1-RW516-B-SF | | | | | | | | | |
| 4E1-RW516-B-1 | | | | | | | | | |

Relinquished by: (Signature) [signature]

Received by: (Signature) [signature] Date/Time 3-7-01 5 pm

Relinquished by: (Signature) [signature]

Received by Laboratory for analysis: (Signature) [signature] Date/Time 3-7-01

Special Instructions:

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[signature]

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# CHAIN OF CUSTODY RECORD

Date 3-7-01 Page 3 of ____

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618
PROJECT NAME 202887-01
Caltrans/I-10 HOV/Soil Samples

PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 4E1-RW516-B-2 | I-10 | 3-7-01 | | | | X | 1 | | Lead 7000 Series |
| 4E1-RW516-C-SF | | | | | | | | | |
| 4E1-RW516-C-1 | | | | | | | | | |
| 4E1-RW516-C-2 | | | | | | | | | |
| 4E1-RW516-C-5 | | | | | | | | | |
| 4E1-RW516-D-SF | | | | | | | | | |
| 4E1-RW516-D-1 | | | | | | | | | |
| 4E1-RW516-D-2 | | | | | | | | | |
| 4E1-RW516-D-5 | | | | | | | | | |
| 4E1-RW20-A-SF | | | | | | | | | |
| 4E1-RW20-A-1 | | | | | | | | | |
| 4E1-RW20-A-2 | | | | | | | | | |
| 4E1-RW20-A-5 | | | | | | | | | |

Relinquished by: (Signature) [signature]
Received by: (Signature) LaVoris D Jones Jr
Date/Time 3-7-01 5:00PM

Relinquished by: (Signature) LaVoris D Jones Jr
Received by Laboratory for analysis: (Signature) [signature]
Date/Time 3-7-01

Special Instructions:

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[signature]

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# CHAIN OF CUSTODY RECORD

Date 3-7-01 Page 4 of ____

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618

PROJECT NAME
Caltrans/I-10 HOV/Soil Samples

PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 6E1-RWS52-A-SF | I-10 | 3-7-01 | | | | X | 1 | | Lead 7000 Series |
| A-1 | | | | | | | | | |
| A-2 | | | | | | | | | |
| A-5 | | | | | | | | | |
| B-SF | | | | | | | | | |
| B-1 | | | | | | | | | |
| B-2 | | | | | | | | | |
| B-5 | | | | | | | | | |
| C-SF | | | | | | | | | |
| C-1 | | | | | | | | | |
| C-2 | | | | | | | | | |
| C-3 | | | | | | | | | |
| D-SF | | | | | | | | | |

Relinquished by: (Signature) Steve Dow
Received by: (Signature) LaVous D Jones J.
Date/Time 3-7-01

Relinquished by: (Signature) LaVous D Jones J
Received by Laboratory for analysis: (Signature) Albert Vargas
Date/Time 3-7-01

Special Instructions:

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# CHAIN OF CUSTODY RECORD

Date 3-7-01 Page 5 of ____

CLIENT Ninyo & Moore

ADDRESS 9272 Jeronimo, Suite 123A
Irvine, CA 92618

PROJECT NAME Caltrans/I-10 HOV/Soil Samples

PROJECT MANAGER Dave Shaler

PHONE NUMBER 949-472-5444

SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 6E1-RW552-D-1 | I-10 | 3-7-01 | | | | X | 1 | | Lead 7000 Series |
| D-2 | | | | | | | | | |
| D-3 | | | | | | | | | |
| 8E5-B-SF | | | | | | | | | |
| 8E5-B-1 | | | | | | | | | |
| 8E5-B-2 | | | | | | | | | |
| 8E5-RW100-A-SF | | | | | | | | | |
| A-1 | | | | | | | | | |
| A-2 | | | | | | | | | |
| A-3 | | | | | | | | | |
| 8E5-C-SF | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |

Relinquished by: (Signature) [signature]

Received by: (Signature) LaVon D Jones Jr

Date/Time 3-7-01 5 PM

Relinquished by: (Signature) LaVon D Jones Jr

Received by Laboratory for analysis: (Signature) Albert Vargas

Date/Time 3-7-01

Special Instructions:

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## CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 6 of _____

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, Ca. 92618
PROJECT NAME 202887-01
Caltrans/I-10 HOV/Soil sampling

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes √ No ____
County Seals Intact Yes ____ No √
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| BES-RWIDD-B-SF | I-10 | 3/7/01 | | | | X | 1 | | Lead 7000 series |
| B-1 | " | " | | | | " | " | | " |
| B-2 | " | " | | | | " | " | | " |
| B-3 | " | " | | | | " | " | | " |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |

Relinquished by: (Signature) [signature]
Received by: (Signature) LaVonne D Jones
Date/Time 3-7-01 5:PM

Relinquished by: (Signature) LaVonne D Jones
Received by Laboratory for analysis: (Signature) Albert Vaughn
Date/Time 3-7-01

Special Instructions:

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[signature]

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**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68943
REPORTED 04/10/2001
RECEIVED 03/07/2001

PROJECT CalTrans I-10 Lead Investigation

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249811 | 6E1-C-1 |
| 249812 | 6E1-C-2 |
| 249813 | 6E1-RW544-C-SF |
| 249814 | 6E1-RW544-C-1 |
| 249815 | 6E1-RW544-C-2 |
| 249816 | 7E3-RW68-A-SF |
| 249817 | 7E3-RW68-A-1 |
| 249818 | 7E3-RW68-B-SF |
| 249819 | 7E3-RW68-B-1 |
| 249820 | 7E3-RW68-B-2 |
| 249821 | 7E3-RW68-C-SF |
| 249822 | 7E3-RW68-C-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68943

REPORTED 04/10/2001

RECEIVED 03/07/2001

PROJECT CalTrans I-10 Lead Investigation

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249823 | 7E3-RW68-ABT-D-SF |
| 249824 | 8E5-RW100-C-SF |
| 249825 | 8E5-RW100-C-1 |
| 249826 | 8E5-RW100-C-2 |
| 249827 | 8E5D-SF |
| 249828 | 8E5D-1 |
| 249829 | 8E5D-2 |
| 249830 | 7E3-RW68ABT-D-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 249811 **Client Sample ID:** 6E1-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.93 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 75.4 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 26.6 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 249812 **Client Sample ID:** 6E1-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 249813 **Client Sample ID:** 6E1-RW544-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 307 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 13.6 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 249814 **Client Sample ID:** 6E1-RW544-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 270 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 11.1 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 249815 **Client Sample ID:** 6E1-RW544-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.07 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 249816 **Client Sample ID:** 7E3-RW68-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 234 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 10.1 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 249817 **Client Sample ID:** 7E3-RW68-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.22 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 78.9 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.49 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 249818 **Client Sample ID:** 7E3-RW68-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 665 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 47.7 | 2.0 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249819 **Client Sample ID:** 7E3-RW68-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 245 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 12.5 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 249820 **Client Sample ID:** 7E3-RW68-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 249821 **Client Sample ID:** 7E3-RW68-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 392 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 19.8 | 2.0 | mg/L | 03/30/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249822 **Client Sample ID:** 7E3-RW68-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 254 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 10.8 | 0.2 | mg/L | 03/30/01 NK |

**Order #:** 249823 **Client Sample ID:** 7E3-RW68-ABT-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 568 | 20.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 28.0 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 249824 **Client Sample ID:** 8E5-RW100-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 139 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.70 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 249825 **Client Sample ID:** 8E5-RW100-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 109 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/04/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.39 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 249826 **Client Sample ID:** 8E5-RW100-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.41 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 249827 **Client Sample ID:** 8E5D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 557 | 20.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.46 | 0.2 | mg/L | 04/04/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 34.7 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 249828 **Client Sample ID:** 8E5D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 103 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | ND | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 249829 **Client Sample ID:** 8E5D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 249830 **Client Sample ID:** 7E3-RW68ABT-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 175 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.61 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 68943 - 249820

Matrix: SOLID

Prep. Date: 03/09/01

Analysis Date: 03/13/01

ID#'s in Batch: LR 68943

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 95.0 | 107.0 | 112.6 |
| Lead | 7420 | 75.40 | | 72.50 | | 3.9 | 95.6 | 154.0 | 82.2 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H030901SO10-11

Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1

Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 104 | 100 | 104.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 114 | 100 | 114.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68943 - 249818

Matrix: STLC (DI)

Prep. Date: 04/04/01

Analysis Date: 04/04/01

Lab ID#'s in Batch: LR 68943, 69058

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.19 | 2.19 | 109.5 | 109.5 | 0.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68943 - 249816

Matrix: STLC

Prep. Date: 03/17/01

Analysis Date: 03/30/01

Lab ID#'s in Batch: LR 68943

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 10.1 | | 2 | 11.9 | 11.4 | NC | NC | 4.3 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

68943

# CHAIN OF CUSTODY RECORD

Date 3-7-01 Page 4 of 5

CLIENT ~~CALTRANS~~ Ninyo + Moore
ADDRESS 9272 Jeronimo Rd
Irvine, CA

PROJECT NAME
CALTRANS I-10 LEAD INVESTIGATION

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472 5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 6E1-C-1 | I-10 EASTBOUND | 3/7/01 | | | | X | 1 | Pb | |
| 6E1-C-2 | | 3/7/01 | | | | X | 1 | Pb | |
| 6E1-RW544-C-SF | | 3/7/01 | | | | X | 1 | Pb | |
| 6E1-RW544-C-1 | | 3/7/01 | | | | X | 1 | Pb | |
| 6E1-RW544-C-2 | | 3/7/01 | | | | X | 1 | Pb | |
| 7E3-RW68-C-1 ~~[illegible]~~ | | | | | | | | | |
| 7E3-RW68-A-SF | | 3-7-01 | | | | X | 1 | Pb | |
| 7E3-RW68-A-1 | | | | | | X | 1 | | |
| 7E3-RW68-B-SF | | | | | | X | 1 | | |
| 7E3-RW68-B-1 | | | | | | X | 1 | | |
| 7E3-RW68-B-2 | | | | | | X | 1 | | |
| 7E3-RW68-C-SF | | | | | | X | 1 | | |
| 7E3-RW68-C-1 | | | | | | X | 1 | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-7-01 5:PM |
| Relinquished by: (Signature) [signature] | Received by Laboratory for analysis: (Signature) [signature] | Date/Time 3-7-01 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

[signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

U8943

# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 5 of 5

CLIENT ~~CALTRANS~~ Ninyo + Moore
ADDRESS 9272 Jeronimo Rd
Irvine, CA

PROJECT NAME
CALTRANS I-10 LEAD INVESTIGATION

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472 5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 7E3-RW68 ABT-D-SF | I10 ONRAMP | 3/7/01 | | | | X | 1 | Pb | Lead 7000 |
| 8E5 RW100C-SF | I10 ONRAMP | 3/7/01 | | | | X | 1 | Pb | |
| 8E5 RW100C-1 | I10 ONRAMP | 3/7/01 | | | | X | 1 | Pb | |
| 8E5 RW100C-2 | | 3/7/01 | | | | X | 1 | Pb | |
| 8E5D-SF | | 3/7/01 | | | | X | 1 | Pb | |
| 8E5D-1 | | 3/7/01 | | | | X | 1 | Pb | |
| 8E5D-2 | | 3/7/01 | | | | X | 1 | Pb | |
| 7E3-RW68ABT-D-1 | | 3/7/01 | | | | X | 1 | Pb | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| | Lavoris Jones | 3-7-01 5 pm |
| Relinquished by: (Signature) Lavoris D Jones Jr. | Received by Laboratory for analysis: (Signature) | Date/Time |

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69057
REPORTED 04/10/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250483, 499, 512 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250470 | 3W6-RW553-C-2 |
| 250471 | 3W6-RW553-C-4.5 |
| 250472 | 3W6-RW553-B-SF |
| 250473 | 3W6-RW553-B-1 |
| 250474 | 3W6-RW553-B-2 |
| 250475 | 3W6-RW553-B-5 |
| 250476 | 3W6-C-SF |
| 250477 | 3W6-C-1 |
| 250478 | 3W6-C-2 |
| 250479 | 3W6-RW553-ABT-A-SF |
| 250480 | 3W6-RW553-ABT-A-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69057
REPORTED 04/10/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250483, 499, 512 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250481 | 3W6-RW553-ABT-A-2 |
| 250482 | 3W6-RW547ABT-D-SF |
| 250483 | 3W6-RW557-B-SF |
| 250484 | 3W6-RW557-B-1 |
| 250485 | 3W6-RW557-B-2 |
| 250486 | 3W6-RW557-ABT-A-SF |
| 250487 | 3W6-RW557-ABT-A-1 |
| 250488 | 3W6-RW557-ABT-A-2 |
| 250489 | 3W6-RW557-ABT-A-2.5 |
| 250490 | 3W6-RW553-ABT-D-SF |
| 250491 | 3W6-RW553-ABT-D-1 |
| 250492 | 3W6-RW553-ABT-D-2 |
| 250493 | 3W6-RW553-ABT-D-3 |
| 250494 | 3W6-RW553-C-SF |
| 250495 | 3W6-RW553-C-1 |
| 250496 | 3WG-RW547ABT-D-1 |
| 250497 | 3WG-RW547ABT-D-2 |
| 250498 | 3WG-RW547ABT-D-5 |
| 250499 | 9E-RW621-A-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69057

REPORTED 04/10/2001

RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250483, 499, 512 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250500 | 9E-RW621-A-1 |
| 250501 | 9E-RW621-A-2 |
| 250502 | 9E-RW621-B-SF |
| 250503 | 9E-RW621-B-1 |
| 250504 | 9E-RW621-B-2 |
| 250505 | 9E-RW621-C-SF |
| 250506 | 9E-RW621-C-1 |
| 250507 | 9E-RW621-D-SF |
| 250508 | 9E-RW621-D-1 |
| 250509 | 1E1-C-SF |
| 250510 | 1E1-C-1 |
| 250511 | 1E1-C-2 |
| 250512 | 3W7-RW49-A-SF |
| 250513 | 3W7-RW49-A-1 |
| 250514 | 3W7-RW49-C-SF |
| 250515 | 3W7-RW49-C-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 250470 **Client Sample ID:** 3W6-RW553-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.72 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 87.4 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.24 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.69 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250471 **Client Sample ID:** 3W6-RW553-C-4.5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Sample Description:** Refusal
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 69.7 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.06 | 0.2 | mg/L | 03/29/01 Nk |

**Order #:** 250472 **Client Sample ID:** 3W6-RW553-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.40 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 245 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 15.6 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250473 **Client Sample ID:** 3W6-RW553-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 152 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.25 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.97 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250474 **Client Sample ID:** 3W6-RW553-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 150 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.20 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.62 | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250475 **Client Sample ID:** 3W6-RW553-B-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 119 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.55 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250476 **Client Sample ID:** 3W6-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 603 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.36 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 46.3 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250477 **Client Sample ID:** 3W6-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 594 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.52 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 40.7 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250478 **Client Sample ID:** 3W6-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 318 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.46 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 18.3 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250479 **Client Sample ID:** 3W6-RW553-ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 727 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.40 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 50.2 | 2.0 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250480 **Client Sample ID:** 3W6-RW553-ABT-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 665 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.61 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 44.6 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250481 **Client Sample ID:** 3W6-RW553-ABT-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 203 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.47 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 18.3 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250482 **Client Sample ID:** 3W6-RW547ABT-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 140 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.41 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.18 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250483 **Client Sample ID:** 3W6-RW557-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 1.75 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,050 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250484 **Client Sample ID:** 3W6-RW557-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.64 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 294 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.50 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 23.7 | 2.0 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250485 **Client Sample ID:** 3W6-RW557-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 151 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.44 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 10.3 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250486 **Client Sample ID:** 3W6-RW557-ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 388 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.39 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 27.7 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250487 **Client Sample ID:** 3W6-RW557-ABT-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 289 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.50 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 10.3 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250488 **Client Sample ID:** 3W6-RW557-ABT-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 148 | 10.0 | mg/Kg | 03/17/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.69 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250489 **Client Sample ID:** 3W6-RW557-ABT-A-2.5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Sample Description:** Refusal
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 137 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.83 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250490 **Client Sample ID:** 3W6-RW553-ABT-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 643 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.57 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 44.5 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250491 **Client Sample ID:** 3W6-RW553-ABT-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 505 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 42.8 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250492 **Client Sample ID:** 3W6-RW553-ABT-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 251 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 13.9 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250493 **Client Sample ID:** 3W6-RW553-ABT-D-3 **Log Date:** 03/10/20
**Matrix:** SOLID **Sample Description:** Refusal
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 119 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 9.58 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250494 **Client Sample ID:** 3W6-RW553-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 340 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 24.1 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250495 **Client Sample ID:** 3W6-RW553-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 369 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 17.4 | 0.4 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250496 **Client Sample ID:** 3WG-RW547ABT-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 110 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.69 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250497 **Client Sample ID:** 3WG-RW547ABT-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 43.9 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250498 **Client Sample ID:** 3WG-RW547ABT-D-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 32.1 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250499 **Client Sample ID:** 9E-RW621-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 0.42 | 0.1 | mg/L | 04/19/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**150.1 pH**

| | | | | | |
|---|---|---|---|---|---|
| pH | 6.94 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,230 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250500 **Client Sample ID:** 9E-RW621-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 107 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 21.6 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250501 **Client Sample ID:** 9E-RW621-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 139 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.53 | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250502 **Client Sample ID:** 9E-RW621-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 598 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 74.6 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250503 **Client Sample ID:** 9E-RW621-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.72 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 116 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 14.7 | 0.4 | mg/L | 03/29/01 NK |

**Order #:** 250504 **Client Sample ID:** 9E-RW621-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 141 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 5.37 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250505 **Client Sample ID:** 9E-RW621-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.66 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 352 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 14.4 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250506 **Client Sample ID:** 9E-RW621-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 275 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 20.1 | 0.4 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250507 **Client Sample ID:** 9E-RW621-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 899 | 50.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 54.9 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250508 **Client Sample ID:** 9E-RW621-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.30 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 138 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 8.98 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250509 **Client Sample ID:** 1E1-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 152 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 7.97 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250510 **Client Sample ID:** 1E1-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 164 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.54 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250511 **Client Sample ID:** 1E1-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 106 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.12 | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250512 **Client Sample ID:** 3W7-RW49-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 1.67 | 0.1 | mg/L | 04/19/01 NK |
| **150.1 pH** | | | | |
| pH | 7.18 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,320 | 50.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250513 **Client Sample ID:** 3W7-RW49-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 56.7 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.17 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250514 **Client Sample ID:** 3W7-RW49-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 236 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 18.6 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250515 **Client Sample ID:** 3W7-RW49-C-1 **Log Date:** 03/10/20

**Matrix:** SOLID

**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250318

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69053, 69055, 69057, 69061, 69092, 69094, 69139, 69147

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 9.51 | | 2.0 | 11.9 | 11.7 | NC | NC | 1.7 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP1 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 2.280 | 2 | 114.0 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

**ASSOCIATED LABORATORIES**
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69057
REPORTED 04/10/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250470 | 3W6-RW553-C-2 |
| 250471 | 3W6-RW553-C-4.5 |
| 250472 | 3W6-RW553-B-SF |
| 250473 | 3W6-RW553-B-1 |
| 250474 | 3W6-RW553-B-2 |
| 250475 | 3W6-RW553-B-5 |
| 250476 | 3W6-C-SF |
| 250477 | 3W6-C-1 |
| 250478 | 3W6-C-2 |
| 250479 | 3W6-RW553-ABT-A-SF |
| 250480 | 3W6-RW553-ABT-A-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

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SUBMITTER Client

COMMENTS

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| Order No. | Client Sample Identification |
|---|---|
| 250481 | 3W6-RW553-ABT-A-2 |
| 250482 | 3W6-RW547ABT-D-SF |
| 250483 | 3W6-RW557-B-SF |
| 250484 | 3W6-RW557-B-1 |
| 250485 | 3W6-RW557-B-2 |
| 250486 | 3W6-RW557-ABT-A-SF |
| 250487 | 3W6-RW557-ABT-A-1 |
| 250488 | 3W6-RW557-ABT-A-2 |
| 250489 | 3W6-RW557-ABT-A-2.5 |
| 250490 | 3W6-RW553-ABT-D-SF |
| 250491 | 3W6-RW553-ABT-D-1 |
| 250492 | 3W6-RW553-ABT-D-2 |
| 250493 | 3W6-RW553-ABT-D-3 |
| 250494 | 3W6-RW553-C-SF |
| 250495 | 3W6-RW553-C-1 |
| 250496 | 3WG-RW547ABT-D-1 |
| 250497 | 3WG-RW547ABT-D-2 |
| 250498 | 3WG-RW547ABT-D-5 |
| 250499 | 9E-RW621-A-SF |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

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ATTN: David Shaler
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LAB REQUEST 69057

REPORTED 04/10/2001

RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250500 | 9E-RW621-A-1 |
| 250501 | 9E-RW621-A-2 |
| 250502 | 9E-RW621-B-SF |
| 250503 | 9E-RW621-B-1 |
| 250504 | 9E-RW621-B-2 |
| 250505 | 9E-RW621-C-SF |
| 250506 | 9E-RW621-C-1 |
| 250507 | 9E-RW621-D-SF |
| 250508 | 9E-RW621-D-1 |
| 250509 | 1E1-C-SF |
| 250510 | 1E1-C-1 |
| 250511 | 1E1-C-2 |
| 250512 | 3W7-RW49-A-SF |
| 250513 | 3W7-RW49-A-1 |
| 250514 | 3W7-RW49-C-SF |
| 250515 | 3W7-RW49-C-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*Microbiological*
*Environmental*

**Order #:** 250470 **Client Sample ID:** 3W6-RW553-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.72 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 87.4 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.24 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.69 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250471 **Client Sample ID:** 3W6-RW553-C-4.5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Sample Description:** Refusal
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 69.7 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.06 | 0.2 | mg/L | 03/29/01 Nk |

**Order #:** 250472 **Client Sample ID:** 3W6-RW553-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.40 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 245 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 15.6 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250473 **Client Sample ID:** 3W6-RW553-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 152 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.25 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.97 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250474 **Client Sample ID:** 3W6-RW553-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 150 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.20 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.62 | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250475 **Client Sample ID:** 3W6-RW553-B-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 119 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.23 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 5.55 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250476 **Client Sample ID:** 3W6-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 603 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.36 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 46.3 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250477 **Client Sample ID:** 3W6-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 594 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.52 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 40.7 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250478 **Client Sample ID:** 3W6-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 318 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.46 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 18.3 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250479 **Client Sample ID:** 3W6-RW553-ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 727 | 20.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.40 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 50.2 | 2.0 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250480 **Client Sample ID:** 3W6-RW553-ABT-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 665 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.61 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 44.6 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250481 **Client Sample ID:** 3W6-RW553-ABT-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 203 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.47 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 18.3 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250482 **Client Sample ID:** 3W6-RW547ABT-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 140 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.41 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 8.18 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250483 **Client Sample ID:** 3W6-RW557-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,050 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250484 **Client Sample ID:** 3W6-RW557-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.64 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 294 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.50 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 23.7 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250485 **Client Sample ID:** 3W6-RW557-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 151 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.44 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 10.3 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250486 **Client Sample ID:** 3W6-RW557-ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 388 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.39 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 27.7 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250487 **Client Sample ID:** 3W6-RW557-ABT-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 289 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.50 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.3 | 0.2 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250488 **Client Sample ID:** 3W6-RW557-ABT-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 148 | 10.0 | mg/Kg | 03/17/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.69 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250489 **Client Sample ID:** 3W6-RW557-ABT-A-2.5 **Log Date:** 03/10/20
**Matrix:** SOLID **Sample Description:** Refusal
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 137 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 3.83 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250490 **Client Sample ID:** 3W6-RW553-ABT-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 643 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.57 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 44.5 | 2.0 | mg/L | 03/29/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250491 **Client Sample ID:** 3W6-RW553-ABT-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 505 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 42.8 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250492 **Client Sample ID:** 3W6-RW553-ABT-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 251 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 13.9 | 2.0 | mg/L | 03/29/01 NK |

**Order #:** 250493 **Client Sample ID:** 3W6-RW553-ABT-D-3 **Log Date:** 03/10/20
**Matrix:** SOLID **Sample Description:** Refusal
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 119 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 9.58 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250494 **Client Sample ID:** 3W6-RW553-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 340 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 24.1 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250495 **Client Sample ID:** 3W6-RW553-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 369 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 17.4 | 0.4 | mg/L | 03/29/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250496 **Client Sample ID:** 3WG-RW547ABT-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 110 | 10.0 | mg/Kg | 03/17/01 KN |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.69 | 0.2 | mg/L | 03/29/01 NK |

**Order #:** 250497 **Client Sample ID:** 3WG-RW547ABT-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 43.9 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250498 **Client Sample ID:** 3WG-RW547ABT-D-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 32.1 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250499 **Client Sample ID:** 9E-RW621-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 6.94 | | NA | 03/15/01 NJ |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| Lead | 1,230 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250500 **Client Sample ID:** 9E-RW621-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 107 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 21.6 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250501 **Client Sample ID:** 9E-RW621-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 139 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.53 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250502 **Client Sample ID:** 9E-RW621-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 598 | 20.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 74.6 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250503 **Client Sample ID:** 9E-RW621-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.72 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 116 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 14.7 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250504 **Client Sample ID:** 9E-RW621-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 141 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 5.37 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250505 **Client Sample ID:** 9E-RW621-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.66 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 352 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 14.4 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250506 **Client Sample ID:** 9E-RW621-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 275 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 20.1 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250507 **Client Sample ID:** 9E-RW621-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 899 | 50.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 54.9 | 2.0 | mg/L | 03/29/01 | NK |

**Order #:** 250508 **Client Sample ID:** 9E-RW621-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.30 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 138 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.98 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250509 **Client Sample ID:** 1E1-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 152 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 7.97 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250510 **Client Sample ID:** 1E1-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 164 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.54 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250511 **Client Sample ID:** 1E1-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 106 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.12 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250512 **Client Sample ID:** 3W7-RW49-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| pH | 7.18 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,320 | 50.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250513 **Client Sample ID:** 3W7-RW49-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 56.7 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.17 | 0.2 | mg/L | 03/29/01 | NK |

**Order #:** 250514 **Client Sample ID:** 3W7-RW49-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 236 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 18.6 | 0.4 | mg/L | 03/29/01 | NK |

**Order #:** 250515 **Client Sample ID:** 3W7-RW49-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69057 - 250490

Matrix: SOLID

Prep. Date: 03/15/01

Analysis Date: 04/04/01

ID#'s in Batch: LR 69057

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 663.00 | | 831.00 | | 22.5 | 94.5 | 866.0 | NC |
| Lead | 7420 | 102.00 | | 105.00 | | 2.9 | 92.2 | 198.0 | 104.1 |
| Lead | 7420 | 87.40 | | 84.50 | | 3.4 | 96.0 | 183.0 | 99.6 |
| Lead | 7420 | 665.00 | | 524.00 | | 23.7 | 95.0 | 752.0 | 91.6 |
| Lead | 7420 | 643.00 | | 737.00 | | 13.6 | 96.0 | 908.0 | NC |
| Lead | 7420 | 107.00 | | 158.00 | | 38.5 | 92.4 | 193.0 | 93.1 |
| Lead | 7420 | 164.00 | | 167.00 | | 1.8 | 91.0 | 254.0 | 98.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031501SO11-12-13-14-15-16-17 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 99 | 100 | 99.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 100 | 100 | 100.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 202 | 200 | 101.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 234 | 200 | 117.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 235 | 200 | 117.5 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 228 | 200 | 114.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 230 | 200 | 115.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69057 - 250482

Matrix: STLC (DI)

Prep. Date: 04/06/01

Analysis Date: 04/06/01

Lab ID#'s in Batch: LR 69057

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.41 | | 2 | 2.61 | 2.52 | 110.0 | 105.5 | 3.5 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69057 - 250477

Matrix: STLC

Prep. Date: 03/26/01

Analysis Date: 03/29/01

Lab ID#'s in Batch: LR 69057

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 40.70 | | 2 | 40.40 | 39.20 | NC | NC | 3.0 |
| Lead | 7420 | 3.83 | | 2 | 5.73 | 5.64 | 95.0 | 90.5 | 1.6 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69057

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 16 of 16

CLIENT NINYO & MOORE
ADDRESS 9272 Jeronimo Rd, Ste 123A
IRVINE, CA 92618
PROJECT NAME ~~202887-01~~
CALTRANS/I-10 HOV/SOIL SAMPLING

PROJECT MANAGER DAVID SHALER
PHONE NUMBER 949-472-5464
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| ~~3W6~~-RW553-C-2 | SOIL SAMPLING | 3/8/01 | | | | X | 1 | | LEAD 7000 SERIES |
| 45 (refusal) | | | | | | X | | | |
| 3W6-RW553-B-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| -5 | | | | | | X | | | |
| 3W6-C-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 3W6-RW553-ABT-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 3W6-RW547ABT-D-SF | | | | | | X | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| | | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time 3-8-01 |

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## CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 2 of 17

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo Rd, Ste. 123A
Irvine, CA 92618
PROJECT NAME # 202887-01
CALTRANS/I-10 HOV/Soil sampling

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| SW6-RW557-B-SF | Soil sample | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| SW6-RW557-ABT-A-SF | | | | | | X | | | |
| -1' | | | | | | X | | | |
| -2' | | | | | | X | | | |
| -2.5 (refusal) | | | | | | X | | | |
| SW6-RW553-ABT-D-SF | | | | | | X | | | |
| -1' | | | | | | X | | | |
| -2' | | | | | | X | | | |
| -3 (refusal) | | | | | | X | | | |
| SW6-RW553-C-SF | | | | | | X | | | |
| -1' | | | | | | X | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) Ken Hulsey | Date/Time 3-8-01 |

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# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 2 of 2

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine, CA 92618
PROJECT NAME # 202887-01
CALTRANS/I-10 HOV/Soil sample

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| BWG-RW547ABT-0-1 | Soil sample | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| -2 | | | | | | X | | | |
| -5 | | | | | | X | | | |
| 9E-RW621-A-SF. | | | | | | X | | | |
| -1' | | | | | | X | | | |
| -2' | | | | | | X | | | |
| 9E-RW621-B-SF. | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 9E-RW621-C-SF. | | | | | | X | | | |
| -1' | | | | | | X | | | |
| 9E-RW621-D-SF. | | | | | | X | | | |
| -1 | | | | | | X | | | |

| | | |
|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) Ken Hurley | Date/Time 3-8-01 |
| Special Instructions: | | |

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# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 19 of 21

CLIENT NINYO & MOORE
ADDRESS 9272 JERONIMO Rd. Ste 128A
IRVINE, CA 92618
PROJECT NAME # 202887-01
CALTRANS/I-10 HOV/ SOIL SAMPLING

PROJECT MANAGER DAVID SHAFER
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| E1-C-5F | SOIL SAMPLING | 3/8/01 | | | | X | 1 | | LEAD 7000 Series |
| -1' | " | " | | | | X | " | | " |
| -2' | " | " | | | | X | " | | " |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |

Relinquished by: (Signature)
Relinquished by: (Signature)
Received by: (Signature)
Received by Laboratory for analysis: (Signature)
Date/Time 3-8-01
Date/Time 3-8-01

Special Instructions:

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# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 20 of _____

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CLIENT CALTRANS

ADDRESS _____

PROJECT NAME
CALTRANS I-10 Pb INV.

PROJECT MANAGER DAVID SHALEB

PHONE NUMBER (949) 472 5244

SAMPLERS: (Signature)

Samples Intact Yes ✓ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ✓ Frozen ___
Same Day _____ 24 Hr. _____
Regular ✓ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W7-RW 49-A-SF | I-10 ON RAMP | 3/8/01 | | | | X | 1 | Pb | |
| 3W7-RW 49-A-1 | | | | | | X | 1 | Pb | |
| 3W7-RW 49-C-SF | | | | | | X | 1 | Pb | |
| 3W7-RW 49-C-1 | | | | | | X | 1 | Pb | |

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 3-8-01

Relinquished by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 3-8-01

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69152
REPORTED 04/10/2001
RECEIVED 03/09/2001

PROJECT #202887-01
I-10/CalTrans/Lead Investigation

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251165 | 2E1-E-1 |
| 251166 | 2E1-E-2 |
| 251167 | 2E1-RW88-A-SF |
| 251168 | 2E1-RW88-A-1 |
| 251169 | 2E1-RW88-A-2 |
| 251170 | 2E1-RW88-A-5 |
| 251171 | 2E3-B-SF |
| 251172 | 2E3-B-1 |
| 251173 | 2E3-B-2 |
| 251174 | 6E1-E-SF |
| 251175 | 6E1-E-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*Microbiological*
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PROJECT #202887-01
I-10/CalTrans/Lead Investigation

SUBMITTER Client

COMMENTS

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| Order No. | Client Sample Identification |
|---|---|
| 251176 | 6E1-E-2 |
| 251177 | 6E1-F-SF |
| 251178 | 7E1-SW560-C-1 |
| 251179 | 7E1-SW560-C-2 |
| 251180 | 7E1-SW560-C-5 |
| 251181 | 7E1-SW560-D-SF |
| 251182 | 7E1-SW560-D-1 |
| 251183 | 7E1-SW560-D-2 |
| 251184 | 7E3-C-2 |
| 251185 | 7E3-B-1 |
| 251186 | 7E3-B-2 |
| 251187 | 3W5-D-SF |
| 251188 | 3W5-D-1 |
| 251189 | 3W5-D-2 |
| 251190 | 6E1-J-2 |
| 251191 | 7E2-A-SF |
| 251192 | 7E2-A-1 |
| 251193 | 7E2-A-2 |
| 251194 | 7E1-SW560-ABT-A-SF |

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ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69152
REPORTED 04/10/2001
RECEIVED 03/09/2001

PROJECT #202887-01
I-10/CalTrans/Lead Investigation

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 251195 | 7E1-SW560-ABT-A-1 |
| 251196 | 7E1-SW560-ABT-A-2 |
| 251197 | 7E1-SW560-ABT-A-5 |
| 251198 | 7E1-SW560-B-SF |
| 251199 | 7E1-SW560-B-1 |
| 251200 | 7E1-SW560-B-2 |
| 251201 | 7E1-SW560-B-3 1/2 |
| 251202 | 7E1-SW560-C-SF |

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Edward S. Behare, Ph.D.
Vice President

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*Environmental*

**Order #:** 251165 **Client Sample ID:** 2E1-E-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 32.0 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251166 **Client Sample ID:** 2E1-E-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 16.5 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251167 **Client Sample ID:** 2E1-RW88-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 35.5 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251168 **Client Sample ID:** 2E1-RW88-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.23 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 19.0 | 10.0 | mg/Kg | 03/27/01 CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251169 **Client Sample ID:** 2E1-RW88-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251170 **Client Sample ID:** 2E1-RW88-A-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251171 **Client Sample ID:** 2E3-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 197 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.94 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 251172 **Client Sample ID:** 2E3-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251173 **Client Sample ID:** 2E3-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 14.6 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251174 **Client Sample ID:** 6E1-E-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 60.5 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 0.56 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 251175 **Client Sample ID:** 6E1-E-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 97.7 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.22 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 251176 **Client Sample ID:** 6E1-E-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**150.1 pH**

| | | | | | |
|---|---|---|---|---|---|
| pH | 8.13 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 95.3 | 10.0 | mg/Kg | 03/27/01 | CM |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 1.92 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251177 **Client Sample ID:** 6E1-F-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 78.3 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.20 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251178 **Client Sample ID:** 7E1-SW560-C-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 19.6 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251179 **Client Sample ID:** 7E1-SW560-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.25 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 19.9 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251180 **Client Sample ID:** 7E1-SW560-C-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 16.7 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251181 **Client Sample ID:** 7E1-SW560-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.20 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251182 **Client Sample ID:** 7E1-SW560-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251183 **Client Sample ID:** 7E1-SW560-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251184 **Client Sample ID:** 7E3-C-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 100 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.55 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251185 **Client Sample ID:** 7E3-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 328 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.39 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251186 **Client Sample ID:** 7E3-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 67.2 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.26 | 0.2 | mg/L | 04/06/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251187 **Client Sample ID:** 3W5-D-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 40.9 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251188 **Client Sample ID:** 3W5-D-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 21.1 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251189 **Client Sample ID:** 3W5-D-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 21.4 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251190 **Client Sample ID:** 6E1-J-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 107 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.14 | 0.2 | mg/L | 04/06/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 251191 **Client Sample ID:** 7E2-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 421 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.26 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 251192 **Client Sample ID:** 7E2-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.73 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251193 **Client Sample ID:** 7E2-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 16.6 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 251194 **Client Sample ID:** 7E1-SW560-ABT-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251195 **Client Sample ID:** 7E1-SW560-ABT-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251196 **Client Sample ID:** 7E1-SW560-ABT-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251197 **Client Sample ID:** 7E1-SW560-ABT-A-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251198 **Client Sample ID:** 7E1-SW560-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 50.7 | 10.0 | mg/Kg | 03/27/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.01 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 251199 **Client Sample ID:** 7E1-SW560-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.8 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251200 **Client Sample ID:** 7E1-SW560-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 12.0 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251201 **Client Sample ID:** 7E1-SW560-B-3 1/2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 11.4 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 251202 **Client Sample ID:** 7E1-SW560-C-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/09/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 803 | 20.0 | mg/Kg | 03/27/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.46 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 23.7 | 2.0 | mg/L | 04/06/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69350 - 251937

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 69350, 68946, 69390, 69152

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.14 | 2.23 | 107.0 | 111.5 | 4.1 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69152 - 251170

Matrix: SOLID

Prep. Date: 03/19/01

Analysis Date: 03/27/01

ID#'s in Batch: LR 69152

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead 1 | 7420 | 0.25 | U | 0.25 | U | 0.0 | 90.1 | 113.0 | 125.4 |
| Lead 2 | 7420 | 16.70 | | 18.20 | | 8.6 | 94.2 | 122.0 | 111.8 |
| Lead 3 | 7420 | 108.00 | | 64.20 | | 50.9 | 99.9 | 218.0 | 110.1 |
| Lead 4 | 7420 | 12.10 | | 13.40 | | 10.2 | 99.2 | 105.0 | 93.6 |

** = Post Digest of Recovery for Lead 3 = 85%; Lead 4 = 94%*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031901SO9-10-11-12 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 94 | 100 | 94.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 95 | 100 | 95.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 99 | 100 | 99.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 99 | 100 | 99.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69152 - 251185

Matrix: STLC

Prep. Date: 04/06/01

Analysis Date: 04/06/01

Lab ID#'s in Batch: LR 69152

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.39 | | 2 | 2.23 | 2.14 | 92.0 | 87.5 | 4.1 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

U9152

# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 14 of _____

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, 123A
Irvine, CA 92618
PROJECT NAME 202887-01
I-10, Caltrans, Lead Investigation

PROJECT MANAGER D. Shaler
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature) F. [signature]

Samples Intact Yes X No _____
County Seals Intact Yes _____ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular X 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2E1-E-1 | | 3/9/01 | | | | X | 1 | | Lead 7000 Series |
| 3E1-E-2 | | | | | | | | | |
| 2E1-RWBB-A-SF | | | | | | | | | |
| " -1 | | | | | | | | | |
| " -2 | | | | | | | | | |
| " -5 | | | | | | | | | |
| 2E3-B-SF | | | | | | | | | |
| 2E3-B-1 | | | | | | | | | |
| 2E3-B-2 | | | | | | | | | |
| 6E1-E-SF | | | | | | | | | |
| 6E1-E-1 | | | | | | | | | |
| 6E1-E-2 | | | | | | | | | |
| 6E1-F-SF | | | | | | | | | |

Relinquished by: (Signature) F. [signature]
Received by: (Signature) LaVon D Jones
Date/Time 3-9-01 4 PM

Relinquished by: (Signature) LaVon D Jones
Received by Laboratory for analysis: (Signature) [signature] KATHLEEN
Date/Time 3-9-01 1700

Special Instructions:

I hereby autorize the performance of the above indicated work.

F. [signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69152

# CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 15 of ____

7 3°-12 4 1/2 1-3 1/4 = 2 7K

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, 123 A
Irvine, CA 92618
PROJECT NAME 202887-01
1-10 Caltrans, Lead Invest

PROJECT MANAGER D. Shaler
PHONE NUMBER 949 472 5444
SAMPLERS: (Signature) F. [signature]

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 7E1-SW560-C-1 | | 3/9/01 | | | | X | 1 | | Lead 7000 Series |
| 7E1-SW560-C-2 | | | | | | | | | |
| 7E1-SW560-C-5 | | | | | | | | | |
| 7E1-SW560-D-SF | | | | | | | | | |
| 7E1-SW560-D-1 | | | | | | | | | |
| 7E1-SW560-D-2 | | | | | | | | | |
| ~~7E1-SW560-D-5~~ | | | | | | | | | |
| 7E3-C-2 | | | | | | | | | |
| 7E3-B-1 | | | | | | | | | |
| 7E3-B-2 | | | | | | | | | |
| 3W5-D-SF | | | | | | | | | |
| 3W5-D-1 | | | | | | | | | |
| 3W5-D-2 | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| F. [signature] | [signature] | 3-9-01 4 PM |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time |
| [signature] | [signature] Kontevisa | 1600 3-9-01 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

F. [signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

# ASSOCIATED LABORATORIES

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(714) 771-6900 • Fax: (714) 538-1209

## CHAIN OF CUSTODY RECORD

Date 3-9-01 Page 16 of _____

601152

CLIENT Kinyo + Moore

ADDRESS 9272 Jeronimo Rd, 123A Irvine CA 92618
202887-01
I-10 Caltrans, Lead Invest

PROJECT NAME ↓x

PROJECT MANAGER D. Shaler

PHONE NUMBER 949 472 5444

SAMPLERS: (Signature) F. [signature]

Samples Intact Yes X No _____
County Seals Intact Yes _____ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular X 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 6E1-J-2 | | 3/9/01 | | | | X | 1 | | Lead 7000 Series |
| 7E2-A-SF | | | | | | | | | |
| 7E2-A- | 1 | | | | | | | | |
| 7E2-A- | 2 | | | | | | | | |
| 7E1-SW560-ABT-A-SF | | | | | | | | | |
| 7E1-SW560-ABT-A- | 1 | | | | | | | | |
| 7E1-SW560-ABT-A | 2 | | | | | | | | |
| 7E1-SW560-ABT-A- | 5 | | | | | | | | |
| 7E1-SW560- | B-SF | | | | | | | | |
| 7E1-SW560- | B-1 | | | | | | | | |
| 7E1-SW560- | B-2 | | | | | | | | |
| 7E1-SW560- | B-#3½ | | | | | | | | |
| 7E1-SW560- | C-SF | | | | | | | | |

Relinquished by: (Signature) F. [signature]

Received by: (Signature) LaVon Dawson

Date/Time 3/9/01 4:00 PM

Relinquished by: (Signature) LaVon Dawson

Received by Laboratory for analysis: (Signature) Ken Mulsky

Date/Time 3-9-01 700

Special Instructions:

I hereby autorize the performance of the above indicated work.

F. [signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68944
REPORTED 04/11/2001
RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249831, 834, 841 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249831 | 2E2-B-SF |
| 249832 | 2E2-B-1 |
| 249833 | 2E2-B-2 |
| 249834 | 2E2-RW490-A-SF |
| 249835 | 2E2-RW490-A-1 |
| 249836 | 2E2-RW490-A-2 |
| 249837 | 2E2-RW-490-A-5 |
| 249838 | 2E2-RW490-B-SF |
| 249839 | 2E2-RW490-B-1 |
| 249840 | 2E2-RW490-B-2 |
| 249841 | 2E2-RW490-B-5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68944

REPORTED 04/11/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249831, 834, 841 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249842 | 2E2-RW490-C-SF |
| 249843 | 2E2-RW490-C-1 |
| 249844 | 2E2-RW490-C-2 |
| 249845 | 2E2-RW490-D-SF |
| 249846 | 2E2-RW490-D-1 |
| 249847 | 2E2-RW490-D-2 |
| 249848 | 2E2-RW490-D-5 |
| 249849 | 3E3-RW510-A-SF |
| 249850 | 3E3-RW510-A-1 |
| 249851 | 3E3-RW510-A-2 |
| 249852 | 3E3-RW510-A-5 |
| 249853 | 3E3-RW510-B-SF |
| 249854 | 3E3-RW510-B-1 |
| 249855 | 3E3-RW510-B-2 |
| 249856 | 3E3-RW-510-B-5 |
| 249857 | 3E3-RW510-C-SF |
| 249858 | 3E3-RW510-C-1 |
| 249859 | 3E3-RW510-C-2 |
| 249860 | 3E3-RW510-C-5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68944

REPORTED 04/11/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249831, 834, 841 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249861 | 3E3-RW510-ABT-D-SF |
| 249862 | 3E3-RW510-ABT-D-1 |
| 249863 | 3E3-RW510-ABT-D-2 |
| 249864 | 7E1-RW556-AST-A-SF |
| 249865 | 7E1-RW556-AST-A-1 |
| 249866 | 7E1-RW556-AST-A-2 |
| 249867 | 7E1-RW556-AST-A-3 |
| 249868 | 7E1-RW556-B-SF |
| 249869 | 7E1-RW556-B-1 |
| 249870 | 7E1-RW556-B-2 |
| 249871 | 7E1-RW556-B-3 |
| 249872 | 7E1-RW556-C-SF |
| 249873 | 7E1-RW556-C-1 |
| 249874 | 7E1-RW556-C-2 |
| 249875 | 7E1-RW556-C-2.5 |
| 249876 | 7E1-RW556-D-SF |
| 249877 | 7E1-RW556-D-1 |
| 249878 | 7E1-RW556-D-2 |
| 249879 | 7E1-RW556-D-2.5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 68944

REPORTED 04/11/2001

RECEIVED 03/07/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #249831, 834, 841 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 249880 | 7E1-A-SF |
| 249881 | 7E1-A-1 |
| 249882 | 7E1-A-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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**Order #:** 249831 **Client Sample ID:** 2E2-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 4.44 | 0.1 | mg/L | 04/19/01 NK |
| **150.1 pH** | | | | |
| pH | 7.27 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,160 | 50.0 | mg/Kg | 03/27/01 CM |

**Order #:** 249832 **Client Sample ID:** 2E2-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 694 | 20.0 | mg/Kg | 03/27/01 CM |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.44 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 36.8 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249833 **Client Sample ID:** 2E2-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 421 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 DI-STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.21 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 15.8 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249834 **Client Sample ID:** 2E2-RW490-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 7.35 | 0.1 | mg/L | 04/19/01 | NK |
| **150.1 pH** | | | | | |
| pH | 7.64 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,870 | 50.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249835 **Client Sample ID:** 2E2-RW490-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,770 | 50.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249836 **Client Sample ID:** 2E2-RW490-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 665 | 20.0 | mg/Kg | 03/27/01 | CM |

**7420 DI-STLC Lead by AA**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.72 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 41.8 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249837 **Client Sample ID:** 2E2-RW-490-A-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 99.1 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.75 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249838 **Client Sample ID:** 2E2-RW490-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,060 | 50.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249839 **Client Sample ID:** 2E2-RW490-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.73 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,350 | 50.0 | mg/Kg | 03/27/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249840 **Client Sample ID:** 2E2-RW490-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 635 | 20.0 | mg/Kg | 03/27/01 CM |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.64 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 36.6 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249841 **Client Sample ID:** 2E2-RW490-B-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 9.03 | 0.1 | mg/L | 04/19/01 NK |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,460 | 50.0 | mg/Kg | 03/27/01 CM |

**Order #:** 249842 **Client Sample ID:** 2E2-RW490-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 421 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.42 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 20.2 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249843 **Client Sample ID:** 2E2-RW490-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 249 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.96 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249844 **Client Sample ID:** 2E2-RW490-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 19.9 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249845 **Client Sample ID:** 2E2-RW490-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 326 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.46 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 20.9 | 2.0 | mg/L | 04/02/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249846 **Client Sample ID:** 2E2-RW490-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 314 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.79 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 26.7 | 2.0 | mg/L | 04/02/01 NK |

**Order #:** 249847 **Client Sample ID:** 2E2-RW490-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 64.9 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.05 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249848 **Client Sample ID:** 2E2-RW490-D-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 81.4 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.72 | 0.2 | mg/L | 04/02/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249849 **Client Sample ID:** 3E3-RW510-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 53.7 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.30 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249850 **Client Sample ID:** 3E3-RW510-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 51.9 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.56 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249851 **Client Sample ID:** 3E3-RW510-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.46 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 72.5 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.91 | 0.2 | mg/L | 04/02/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249852 **Client Sample ID:** 3E3-RW510-A-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 50.3 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.72 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249853 **Client Sample ID:** 3E3-RW510-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 72.0 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.18 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249854 **Client Sample ID:** 3E3-RW510-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 58.2 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.81 | 0.2 | mg/L | 04/02/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249855 **Client Sample ID:** 3E3-RW510-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 49.1 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 249856 **Client Sample ID:** 3E3-RW-510-B-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 59.1 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.82 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249857 **Client Sample ID:** 3E3-RW510-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 580 | 20.0 | mg/Kg | 03/27/01 CM |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.57 | 0.2 | mg/L | 04/06/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 24.3 | 2.0 | mg/L | 04/02/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249858 **Client Sample ID:** 3E3-RW510-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 72.5 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.38 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249859 **Client Sample ID:** 3E3-RW510-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 57.3 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.56 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249860 **Client Sample ID:** 3E3-RW510-C-5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 26.1 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 249861 **Client Sample ID:** 3E3-RW510-ABT-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 168 | 10.0 | mg/Kg | 03/27/01 | CM |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.41 | 0.2 | mg/L | 04/06/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 7.05 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249862 **Client Sample ID:** 3E3-RW510-ABT-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 128 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.15 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249863 **Client Sample ID:** 3E3-RW510-ABT-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 77.0 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.20 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249864 **Client Sample ID:** 7E1-RW556-AST-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

**7420 Lead by Atomic Absorption**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 83.0 | 10.0 | mg/Kg | 03/27/01 | CM |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.84 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249865 **Client Sample ID:** 7E1-RW556-AST-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 59.4 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 2.09 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249866 **Client Sample ID:** 7E1-RW556-AST-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 49.4 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249867 **Client Sample ID:** 7E1-RW556-AST-A-3 **Log Date:** 03/08/20
**Matrix:** SOLID **Sample Description:** Refusal
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 40.6 | 10.0 | mg/Kg | 03/27/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249868 **Client Sample ID:** 7E1-RW556-B-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 6.54 | | NA | 04/11/01 LN |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 68.4 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 3.21 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249869 **Client Sample ID:** 7E1-RW556-B-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 54.8 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.98 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249870 **Client Sample ID:** 7E1-RW556-B-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 41.0 | 10.0 | mg/Kg | 03/27/01 CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249871 **Client Sample ID:** 7E1-RW556-B-3 **Log Date:** 03/08/20
**Matrix:** SOLID
**Sample Description:** Refusal
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 22.3 | 10.0 | mg/Kg | 03/27/01 CM |

**Order #:** 249872 **Client Sample ID:** 7E1-RW556-C-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 67.9 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 3.49 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249873 **Client Sample ID:** 7E1-RW556-C-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 111 | 10.0 | mg/Kg | 03/27/01 CM |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 3.18 | 0.2 | mg/L | 04/02/01 NK |

**Order #:** 249874 **Client Sample ID:** 7E1-RW556-C-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 23.9 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249875 **Client Sample ID:** 7E1-RW556-C-2.5 **Log Date:** 03/08/20
**Matrix:** SOLID
**Sample Description:** Refusal
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249876 **Client Sample ID:** 7E1-RW556-D-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 93.6 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.62 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249877 **Client Sample ID:** 7E1-RW556-D-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 5.32 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 115 | 10.0 | mg/Kg | 03/27/01 | CM |

**7420 STLC Lead by AA**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 4.84 | 0.2 | mg/L | 04/02/01 | NK |

**Order #:** 249878 **Client Sample ID:** 7E1-RW556-D-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249879 **Client Sample ID:** 7E1-RW556-D-2.5 **Log Date:** 03/08/20
**Matrix:** SOLID **Sample Description:** Refusal
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 16.3 | 10.0 | mg/Kg | 03/27/01 | CM |

**Order #:** 249880 **Client Sample ID:** 7E1-A-SF **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.25 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 80.8 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.46 | 0.2 | mg/L | 04/02/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 249881 **Client Sample ID:** 7E1-A-1 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 183 | 10.0 | mg/Kg | 03/27/01 | CM |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.26 | 0.2 | mg/L | 04/06/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 15.4 | 2.0 | mg/L | 04/02/01 | NK |

**Order #:** 249882 **Client Sample ID:** 7E1-A-2 **Log Date:** 03/08/20
**Matrix:** SOLID
**Date Sampled:** 03/07/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 49.4 | 10.0 | mg/Kg | 03/27/01 | CM |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250806

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69058, 69093, 68919, 68921, 68970, 68974, 68941, 68944

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 6.84 | | 2.0 | 9.10 | 9.14 | 113.0 | 115.0 | 0.4 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP2 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 2.210 | 2 | 110.5 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68944 - 249843

Matrix: STLC

Prep. Date: 04/02/01

Analysis Date: 04/02/01

Lab ID#'s in Batch: LR 68944

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 4.96 | | 2 | 6.82 | 6.87 | 93.0 | 95.5 | 0.7 |
| Lead | 7420 | 5.46 | | 2 | 7.36 | 7.42 | 95.0 | 98.0 | 0.8 |

*NC = Not Calculated*

*ND = "U" - Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 68944 - 249840

Matrix: SOLID

Prep. Date: 03/17/01

Analysis Date: 03/27/01

ID#'s in Batch: LR 68944

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 635.00 | | 739.00 | | 15.1 | 97.9 | 739.0 | 106.2 |
| Lead | 7420 | 51.90 | | 45.90 | | 12.3 | 94.6 | 147.0 | 100.5 |
| Lead | 7420 | 26.20 | | 28.70 | | 9.1 | 95.9 | 131.0 | 109.3 |
| Lead | 7420 | 41.10 | | 53.60 | | 26.4 | 92.7 | 133.0 | 99.1 |
| Lead | 7420 | 80.80 | | 59.40 | | 30.5 | 95.9 | 199.0 | 123.3 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031701SO910-11-12-13 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 99 | 100 | 99.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 108 | 100 | 108.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 102 | 100 | 102.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 104 | 100 | 104.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 101 | 100 | 101.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 68944 - 249842

Matrix: STLC (DI)

Prep. Date: 04/06/01

Analysis Date: 04/06/01

Lab ID#'s in Batch: LR 68944

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.42 | | 2 | 2.52 | 2.62 | 105.0 | 110.0 | 3.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

(4)

68944

# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 1 of 4

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo Rd, Ste. 123A
Irvine, CA 92618
PROJECT NAME/Number 202887-01
CALTRANS/I-10 HOV/Soil Sampling

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2E2-B-SF | Soil sample | 3/7/01 | | | | X | 1 | | Lead 7000 Series |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 2E2-RW490-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| -5 | | | | | | X | | | |
| 2E2-RW490-B-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| -5 | | | | | | X | | | |
| 2E2-RW490-C-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |

Relinquished by: (Signature)
Received by: (Signature) LaVoni D Jones J. Date/Time 3-7-01 5 1PM
Relinquished by: (Signature) LaVoni D Jones J
Received by Laboratory for analysis: (Signature) Ken Mulsey Date/Time 3-7-01 1700

Special Instructions:

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CHAIN OF CUSTODY RECORD
Date 3/7/01 Page 2 of 4

CLIENT Ninyo & Moore
ADDRESS 9272 Jeronimo RD Ste 123A
Irvine, CA 92618
PROJECT NAME # 202887-01
CALTRANS I-10 HOV/ Soil Sampling
PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5404
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2E2-RW490-C-2' | Soil Sample | 3/7/01 | | | | X | 1 | | Lead 7000 Series |
| 2E2-RW490-D-SF | | | | | | X | | | |
| -1' | | | | | | X | | | |
| -2' | | | | | | X | | | |
| -5' | | | | | | X | | | |
| 3E3-RW510-A-SF | | | | | | X | | | |
| -1' | | | | | | X | | | |
| -2' | | | | | | X | | | |
| -5' | | | | | | X | | | |
| 3E3-RW510-B-SF | | | | | | | | | |
| -1 | | | | | | | | | |
| -2 | | | | | | | | | |
| -5 | | | | | | | | | |

Relinquished by: (Signature) — Received by: (Signature) — Date/Time 3-7-01 5:10PM

Relinquished by: (Signature) — Received by Laboratory for analysis: (Signature) Ken Hubey — Date/Time 3-7-01 1700

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(714) 771-6900 • Fax: (714) 538-1209

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CHAIN OF CUSTODY RECORD
Date 3/7/01 Page 3 of 4

CLIENT Ninyo & Moore
ADDRESS 9279 Jeronimo Rd, Ste. 123A
Irvine, CA 92618
PROJECT NAME # 202887-01
CALTRANS I-10 HOV/Soil sampling

PROJECT MANAGER David Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3E3-RW510-0-SF | Soil Sample | 3/7/01 | | | | X | 1 | | Lead 7000 Series |
| 1' | | | | | | X | | | |
| 2' | | | | | | X | | | |
| 5 | | | | | | X | | | |
| 3E3-RW510-AST-D-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| 7E1-RW556AST-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| -3(refusal) | | | | | | X | | | |
| 7E1-RW556-B-SF | | | | | | X | | | |
| -1' | | | | | | X | | | |

Relinquished by: (Signature)
Relinquished by: (Signature)
Received by: (Signature)
Received by Laboratory for analysis: (Signature) Ken Hurley
Date/Time 3-7-01 5PM
Date/Time 3-7-01 1700
Special Instructions:

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U89444

# CHAIN OF CUSTODY RECORD

Date 3/7/01 Page 4 of 4

CLIENT Ninyo & Moore
ADDRESS 9279 Jeronimo Rd, Ste. 123A
Irvine, CA 92618
PROJECT NAME #202887-01
CALTRANS I-10 HOV/SOIL SAMPLING

PROJECT MANAGER DAVID SHAFER
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No ___
County Seals Intact Yes ___ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day ___ 24 Hr. ___
Regular X 48 Hr. ___

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| TE1-RW556-B-2' | Soil Sample | 3/7/01 | | | | X | 1 | | Lead 7000 Series |
| TE1-RW556-B-3' | (refusal) | " | | | | X | " | | " |
| TE1-RW556-C-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |
| -2.5 | (refusal) | | | | | X | | | |
| TE1-RW556-D-SF | | | | | | X | | | |
| -1' | | | | | | X | | | |
| -2' | | | | | | X | | | |
| -2.5' | (refusal) | | | | | X | | | |
| TE1-A-SF | | | | | | X | | | |
| -1 | | | | | | X | | | |
| -2 | | | | | | X | | | |

Relinquished by: (Signature)
Relinquished by: (Signature) LaVonne Jones
Special Instructions:

Received by: (Signature) LaVonne Jones
Date/Time 3-7-01 5 PM
Received by Laboratory for analysis: (Signature) Ken Murist
Date/Time 3-7-01 1700

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69061
REPORTED 04/11/2001
RECEIVED 03/08/2001

PROJECT CalTrans/I-10

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250593 on 04/12/2001.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250593 | 1W1-F-SF |
| 250594 | 1W1-F-1.0 |
| 250595 | 1W1-F-2.0 |
| 250596 | 1W1-E-SF |
| 250597 | 1W1-E-1.0 |
| 250598 | 1W1-E-2.0 |
| 250599 | 1W1-RW505-C-SF |
| 250600 | 1W1-RW505-C-1.0 |
| 250601 | 1W1-RW505-C-2.0 |
| 250602 | 1W1-RW505-B-SF |
| 250603 | 1W1-RW505-B-1.0 |
| 250604 | 1W1-RW505-B-2.0 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69061

REPORTED 04/11/2001

RECEIVED 03/08/2001

PROJECT CalTrans/I-10

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250593 on 04/12/2001.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250605 | 1W1-RW505-B-3.0 |
| 250606 | 1W1-RW505ABT-A-SF |
| 250607 | 1W1-RW505ABT-A-1.0 |
| 250608 | 1W1-RW505ABT-A-2.0 |
| 250609 | 1W1-RW505ABT-A-4.0 |
| 250610 | 3W7-RW587-B-SF |
| 250611 | 3W7-RW587-B-1.0 |
| 250612 | 3W7-RW587-B-2.0 |
| 250613 | 3W7-RW587-A-SF |
| 250614 | 3W7-RW587-A-1.0 |
| 250615 | 3W7-RW587-A-2.0 |
| 250616 | 3W7-RW587-A-4.0 |

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ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 250593 **Client Sample ID:** 1W1-F-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 4.45 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,240 | 100.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250594 **Client Sample ID:** 1W1-F-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250595 **Client Sample ID:** 1W1-F-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250596 **Client Sample ID:** 1W1-E-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,100 | 50.0 | mg/Kg | 03/17/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250597 **Client Sample ID:** 1W1-E-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 81.3 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/11/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.87 | 0.2 | mg/L | 04/09/01 | NK |

**Order #:** 250598 **Client Sample ID:** 1W1-E-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 64.2 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.66 | 0.2 | mg/L | 04/09/01 | NK |

**Order #:** 250599 **Client Sample ID:** 1W1-RW505-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 72.6 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.74 | 0.2 | mg/L | 04/09/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250600 **Client Sample ID:** 1W1-RW505-C-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250601 **Client Sample ID:** 1W1-RW505-C-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250602 **Client Sample ID:** 1W1-RW505-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 804 | 20.0 | mg/Kg | 03/17/01 KN |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/11/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 58.7 | 2.0 | mg/L | 04/09/01 NK |

**Order #:** 250603 **Client Sample ID:** 1W1-RW505-B-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**150.1 pH**

| | | | | | |
|---|---|---|---|---|---|
| pH | 6.93 | | NA | 03/15/01 | NJ |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 279 | 10.0 | mg/Kg | 03/17/01 | KN |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/11/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 20.3 | 2.0 | mg/L | 04/09/01 | NK |

**Order #:** 250604 **Client Sample ID:** 1W1-RW505-B-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250605 **Client Sample ID:** 1W1-RW505-B-3.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 65.2 | 10.0 | mg/Kg | 03/17/01 | KN |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.59 | 0.2 | mg/L | 04/09/01 | NK |

**Order #:** 250606 **Client Sample ID:** 1W1-RW505ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | ND | 10.0 | mg/Kg | 03/17/01 | KN |

**Order #:** 250607 **Client Sample ID:** 1W1-RW505ABT-A-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250608 **Client Sample ID:** 1W1-RW505ABT-A-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250609 **Client Sample ID:** 1W1-RW505ABT-A-4.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250610 **Client Sample ID:** 3W7-RW587-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 19.7 | 10.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250611 **Client Sample ID:** 3W7-RW587-B-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 13.2 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250612 **Client Sample ID:** 3W7-RW587-B-2.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 32.8 | 10.0 | mg/Kg | 03/17/10 KN |

**Order #:** 250613 **Client Sample ID:** 3W7-RW587-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 8.33 | | NA | 03/15/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 17.2 | 10.0 | mg/Kg | 03/17/01 KN |

**Order #:** 250614 **Client Sample ID:** 3W7-RW587-A-1.0 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 29.3 | 10.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250615 **Client Sample ID:** 3W7-RW587-A-2.0 **Log Date:** 03/10/20

**Matrix:** SOLID

**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 22.2 | 10.0 | mg/Kg | 03/17/01 KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250318

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69053, 69055, 69057, 69061, 69092, 69094, 69139, 69147

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 9.51 | | 2.0 | 11.9 | 11.7 | NC | NC | 1.7 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP1 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.280 | 2 | 114.0 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69061 - 250598

Matrix: STLC

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 69061, 69053

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 1.66 | | 2 | 3.96 | 3.97 | 115.0 | 115.5 | 0.3 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69061 - 250603

Matrix: STLC (DI)

Prep. Date: 04/11/01

Analysis Date: 04/11/01

Lab ID#'s in Batch: LR 69061

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.03 | 2.02 | 101.5 | 101.0 | 0.5 |

*NC = Not Calculated*

*ND = "U" - Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69061 - 250593

Matrix: SOLID

Prep. Date: 03/16/01

Analysis Date: 03/17/01

ID#'s in Batch: LR 69061

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2443.00 | | 2230.00 | | 9.1 | 99.0 | 3176.0 | NA |
| Lead | 7420 | 279.00 | | 252.00 | | 10.2 | 95.5 | 356.0 | 80.6 |
| Lead | 7420 | 29.40 | | 25.00 | | 16.2 | 95.3 | 119.0 | 94.0 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031601SO9-10-11 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 167 | 200 | 83.5 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 174 | 200 | 87.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 197 | 200 | 98.5 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

(5)

69061

# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

## CHAIN OF CUSTODY RECORD

Date ~~Feb~~ MAR 08 01 Page 27 of ____

CLIENT Ninyo + Moore

ADDRESS

Job # 202887-01

PROJECT NAME CALTRANS / I-10

PROJECT MANAGER

PHONE NUMBER

SAMPLERS: (Signature) [signature] / Mike LoSpracco

Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ____ Cooled ✓ Frozen ____
Same Day ____ 24 Hr. ____
Regular ✓ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 1W1-F-SF | Soil Sample | 3-8-01 | | N/A | N/A | | X | 1 | Lead Tons Serrates |
| " " 1.0 | | | | | | | | | |
| " " 2.0 | | | | | | | | | |
| 1W1-E-SF | | | | | | | | | |
| " " 1.0 | | | | | | | | | |
| " " 2.0 | | | | | | | | | |
| 1W1-RW505-C-SF | | | | | | | | | |
| " " " " 1.0 | | | | | | | | | |
| " " " 2.0 | | | | | | | | | |
| 1W1-RW505-B-SF | | | | | | | | | |
| " " " " 1.0 | | | | | | | | | |
| " " " " 2.0 | | | | | | | | | |
| " " " " 3.0 | | | | | | | | | Hold |

(B)

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) [signature] Ken Hulsey | Date/Time 3-8-01 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

[signature]

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

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# ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

## CHAIN OF CUSTODY RECORD

Date ~~Feb~~ MAR 08 01 Page 28 of ____

CLIENT Ningo + Moore

ADDRESS

Job# 202887-01

PROJECT NAME CALTRANS-/I-10

PROJECT MANAGER

PHONE NUMBER

SAMPLERS: (Signature) Michael J Lostracco / Michael J LoStracco

Samples Intact Yes ✓ No ____
County Seals Intact Yes ____ No ____
Sample Ambient ____ Cooled ✓ Frozen ____
Same Day ____ 24 Hr. ____
Regular ✓ 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | AIR | SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 1411-RW505ABT-A-SF | Soil Sample | 3-8-01 | | N/A | N/A | | X | 1 | LEAD 7000 SERIES |
| (A) " " " | " " 1.0 | | | | | | | | |
| " " " | " " 2.0 | | | | | | | | |
| " " " | " " 4.0 | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| [signature] | [signature] | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) [signature] | Date/Time 3-8-01 |

Special Instructions:

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[signature]

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# CHAIN OF CUSTODY RECORD

Date ~~Feb~~ Mar 08 01 Page 29 of _____

CLIENT Ninyo & Moore
ADDRESS _____
Job # 202887-01
PROJECT NAME CALTRANS/I-10
PROJECT MANAGER _____
PHONE NUMBER _____
SAMPLERS: (Signature) Michael J. Stocco

Samples Intact Yes ✓ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ✓ Frozen ___
Same Day _____ 24 Hr. _____
Regular ✓ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 2W7-RW587-B-SF | Soil Sample | 3-8-01 | | N/A | N/A | | X | 1 | EPA 7000 Series |
| " " " | 1.0 | | | | | | X | 1 | |
| " " " | 2.0 | | | | | | X | 1 | |
| " " NOT OBTAINED | | | | | | | X | 1 | NOT OBTAINED |
| 2W7-RW587-A-SF | | | | | | | X | 1 | |
| " " " | 1.0 | | | | | | X | 1 | |
| " " " | 2.0 | | | | | | X | 1 | |
| " " " | 4.0 | | | | | | X | 1 | H2O |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Relinquished by: (Signature) _____ Received by: (Signature) _____ Date/Time 3-7-01

Relinquished by: (Signature) _____ Received by Laboratory for analysis: (Signature) Ken Huss Date/Time 3-8-01

Special Instructions:

I hereby autorize the performance of the above indicated work.

_____

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**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69053
REPORTED 04/11/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Samples

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250314, 318 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250301 | 2W5-C-SF |
| 250302 | 2W5-C-1 |
| 250303 | 2W5-C-2 |
| 250304 | 2W5-D-SF |
| 250305 | 2W5-D-1 |
| 250306 | 2W5-D-2 |
| 250307 | 2W3-B-SF |
| 250308 | 2W3-B-1 |
| 250309 | 2W3-B-2 |
| 250310 | 2W4-A-SF |
| 250311 | 2W4-A-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69053
REPORTED 04/11/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Samples

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250314, 318 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250312 | 2W4-A-2 |
| 250313 | 2W3-A-SF |
| 250314 | 3W1-RW535-D-SF |
| 250315 | 3W1-RW535-D-1 |
| 250316 | 3W1-RW535-D-2 |
| 250317 | 3W1-RW535-D-5 |
| 250318 | 3W1-A-SF |
| 250319 | 3W1-A-1 |
| 250320 | 3W1-A-2 |
| 250321 | 2W5-A-SF |
| 250322 | 2W5-A-1 |
| 250323 | 2W5-A-2 |
| 250324 | 2W5-B-SF |
| 250325 | 2W5-B-1 |
| 250326 | 2W5-B-2 |
| 250327 | 3W7-RW567-A-4 |
| 250328 | 3W1-RW535ABT-A-SF |
| 250329 | 3W1-RW535ABT-A-1 |
| 250330 | 3W1-RW535ABT-A-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69053

REPORTED 04/11/2001

RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans / I-10 HOV / Soil Samples

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250314, 318 on 4/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250331 | 3W1-RW535ABT-A-5 |
| 250332 | 3W1-RW535-B-SF |
| 250333 | 3W1-RW535-B-1 |
| 250334 | 3W1-RW535-B-2 |
| 250335 | 3W1-RW535-B-4.5 |
| 250336 | 3W1-RW535-C-SF |
| 250337 | 3W1-RW535-C-1 |
| 250338 | 3W1-RW535-C-2 |
| 250339 | 3W1-RW535-C-5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*Microbiological*
*Environmental*

**Order #:** 250301 **Client Sample ID:** 2W5-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 30.1 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250302 **Client Sample ID:** 2W5-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 12.2 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250303 **Client Sample ID:** 2W5-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 38.3 | 10.0 | mg/Kg | 03/28/01 Nk |

**Order #:** 250304 **Client Sample ID:** 2W5-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 471 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.26 | 0.2 | mg/L | 04/09/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 18.5 | 2.0 | mg/L | 04/06/01 | NK |

**Order #:** 250305 **Client Sample ID:** 2W5-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 30.9 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 250306 **Client Sample ID:** 2W5-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 21.2 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 250307 **Client Sample ID:** 2W3-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 25.5 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 250308 **Client Sample ID:** 2W3-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250309 **Client Sample ID:** 2W3-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 12.5 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250310 **Client Sample ID:** 2W4-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 117 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 1.70 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 250311 **Client Sample ID:** 2W4-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 11.4 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250312 **Client Sample ID:** 2W4-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 12.3 | 10.0 | mg/Kg | 03/28/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250313 **Client Sample ID:** 2W3-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 51.5 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.91 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 250314 **Client Sample ID:** 3W1-RW535-D-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 0.67 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,120 | 100.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 250315 **Client Sample ID:** 3W1-RW535-D-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.69 | | NA | 03/19/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 48.1 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250316 **Client Sample ID:** 3W1-RW535-D-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 41.6 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250317 **Client Sample ID:** 3W1-RW535-D-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 10.4 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250318 **Client Sample ID:** 3W1-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 9.51 | 0.1 | mg/L | 04/19/01 NK |
| **150.1 pH** | | | | |
| pH | 7.61 | | NA | 03/19/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 2,560 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250319 **Client Sample ID:** 3W1-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| Lead | 11.3 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 250320 **Client Sample ID:** 3W1-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 30.1 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 250321 **Client Sample ID:** 2W5-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.50 | | NA | 03/19/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 167 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.08 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 250322 **Client Sample ID:** 2W5-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 9.89 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250323 **Client Sample ID:** 2W5-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 48.7 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250324 **Client Sample ID:** 2W5-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 520 | 20.0 | mg/Kg | 03/28/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 31.0 | 2.0 | mg/L | 04/06/01 NK |

**Order #:** 250325 **Client Sample ID:** 2W5-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 22.2 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250326 **Client Sample ID:** 2W5-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 125 | 10.0 | mg/Kg | 03/28/01 | NK |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 5.78 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 250327 **Client Sample ID:** 3W7-RW567-A-4 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 60.3 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.96 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 250328 **Client Sample ID:** 3W1-RW535ABT-A-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 398 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.75 | 0.2 | mg/L | 04/06/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250329 **Client Sample ID:** 3W1-RW535ABT-A-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 65.9 | 10.0 | mg/Kg | 03/28/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 2.19 | 0.2 | mg/L | 04/06/01 NK |

**Order #:** 250330 **Client Sample ID:** 3W1-RW535ABT-A-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250331 **Client Sample ID:** 3W1-RW535ABT-A-5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 11.7 | 10.0 | mg/Kg | 03/28/01 NK |

**Order #:** 250332 **Client Sample ID:** 3W1-RW535-B-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.75 | | NA | 03/19/01 NJ |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 78.9 | 10.0 | mg/Kg | 03/28/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 3.17 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 250333 **Client Sample ID:** 3W1-RW535-B-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 110 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 3.83 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 250334 **Client Sample ID:** 3W1-RW535-B-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 89.9 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 1.58 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 250335 **Client Sample ID:** 3W1-RW535-B-4.5 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 99.8 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 1.82 | 0.2 | mg/L | 04/06/01 | NK |

**Order #:** 250336 **Client Sample ID:** 3W1-RW535-C-SF **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 423 | 10.0 | mg/Kg | 03/28/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 15.3 | 2.0 | mg/L | 04/06/01 | NK |

**Order #:** 250337 **Client Sample ID:** 3W1-RW535-C-1 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 34.8 | 10.0 | mg/Kg | 03/28/01 | NK |

**Order #:** 250338 **Client Sample ID:** 3W1-RW535-C-2 **Log Date:** 03/10/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 22.5 | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250339 **Client Sample ID:** 3W1-RW535-C-5 **Log Date:** 03/10/20

**Matrix:** SOLID

**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/28/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250318

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69053, 69055, 69057, 69061, 69092, 69094, 69139, 69147

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 9.51 | | 2.0 | 11.9 | 11.7 | NC | NC | 1.7 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP1 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.280 | 2 | 114.0 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69053 - 250334

Matrix: STLC

Prep. Date: 04/06/01

Analysis Date: 04/06/01

Lab ID#'s in Batch: LR 69053

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 1.58 | | 2 | 3.48 | 3.53 | 95.0 | 97.5 | 1.4 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69061 - 250598

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 69061, 69053

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 1.66 | | 2 | 3.96 | 3.97 | 115.0 | 115.5 | 0.3 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250310

Matrix: SOLID

Prep. Date: 03/19/01

Analysis Date: 03/28/01

ID#'s in Batch: LR 69053

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 117.00 | | 114.00 | | 2.6 | 99.4 | 228.0 | 111.7 |
| Lead | 7420 | 30.10 | | 34.00 | | 12.2 | 99.6 | 130.0 | 100.3 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 99.2 | 112.0 | 112.9 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031901SO123 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 102 | 100 | 102.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 98 | 100 | 98.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 94 | 100 | 94.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

609053

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 1 of _____

All samples

CLIENT Nixyo + Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, Ca. 92618
PROJECT NAME 202887-01
Caltrans / I-10 HOV / Soil Sampling

PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes X No _____
County Seals Intact Yes _____ No X
Sample Ambient X Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular X 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| ~~1W5-C-5F~~ | I-10 | 3/8/01 | | | | X | 1 | | Lead Series 7000 |
| ~~1W5-C-1~~ | | | | | | | | | |
| ~~2W5-C-2~~ | | | | | | | | | |
| ~~1W5-D-5F~~ | | | | | | | | | |
| ~~"~~ 1 | | | | | | | | | |
| ~~"~~ 2 | | | | | | | | | |
| ~~2W3-B-5F~~ | | | | | | | | | |
| ~~"~~ 1 | | | | | | | | | |
| ~~"~~ 2 | | | | | | | | | |
| ~~2W4-A-5F~~ | | | | | | | | | |
| ~~"~~ 1 | | | | | | | | | |
| ~~"~~ 2 | | | | | | | | | |
| ~~2W3-A-5F~~ | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| | | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time |
| | | 3-8-01 |

Special Instructions:

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

U9053

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 2 of _____

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, Ca. 92618
PROJECT NAME 202887-01
Caltrans/I-10 HOV/ Soil Sampling

PROJECT MANAGER Dave Shafer
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes ✓ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day ✓ 24 Hr. _____
Regular _____ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| ~~2W1-RW535-D-5F~~ | I-10 | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| D-1 | | | | | | | | | |
| D-2 | | | | | | | | | |
| D-5 | | | | | | | | | |
| 2W1-A-5F | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 2W5-A-5F | | | | | | | | | |
| A-1 | | | | | | | | | |
| A-2 | | | | | | | | | |
| 2W5-B-5F | | | | | | | | | |
| B-1 | | | | | | | | | |
| B-2 | | | | | | | | | |

Relinquished by: (Signature)
Received by: (Signature)
Date/Time 1:30 3-8-01

I hereby autorize the performance of the above indicated work.

Relinquished by: (Signature)
Received by Laboratory for analysis: (Signature)
Date/Time 3-8-01

Special Instructions:

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69053

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 5 of _____

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo, Suite 123A
Irvine, Ca. 92618
PROJECT NAME 202887-01
Caltrans/I-10 HOV/Soil Sampling

PROJECT MANAGER Dave Shaler
PHONE NUMBER 949-472-5444
SAMPLERS: (Signature)

Samples Intact Yes / No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular / 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| BW1-RWS67-A-4 | I-10 | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| BW1-RWS35ABT-A-SF | | | | | | | | | |
| A-1 | | | | | | | | | |
| A-2 | | | | | | | | | |
| A-5 | | | | | | | | | |
| BW1-RWS35-B-SF | | | | | | | | | |
| B-1 | | | | | | | | | |
| B-2 | | | | | | | | | |
| B-4.5 | | | | | | | | | |
| BW1-RWS35-C-SF | | | | | | | | | |
| C-1 | | | | | | | | | |
| C-2 | | | | | | | | | |
| C-5 | | | | | | | | | |

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 4:30 3-8-01

I hereby autorize the performance of the above indicated work.

Relinquished by: (Signature)

Received by Laboratory for analysis: (Signature)

Date/Time 3-8-01

Special Instructions:

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69092
REPORTED 04/20/2001
RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans/I-10 HOV /Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250758 & 762 on 04/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250744 | 1W1-RW515-ABT-A-1 |
| 250745 | 1W1-RW515-ABT-A-2 |
| 250746 | 1W1-RW515-ABT-A-4 |
| 250747 | 1W1-H-SF |
| 250748 | 1W1-H-1 |
| 250749 | 1W1-H-2 |
| 250750 | 1W1-J-2 |
| 250751 | 1W1-RW523-A-SF |
| 250752 | 1W1-RW523-A-1 |
| 250753 | 1W1-RW523-A-2 |
| 250754 | 1W1-RW523-A-5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

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ATTN: David Shaler
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Irvine, CA 92618

LAB REQUEST 69092
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RECEIVED 03/08/2001

PROJECT #202887-01
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This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250755 | 1W1-I-SF |
| 250756 | 1W1-I-1 |
| 250757 | 1W1-I-2 |
| 250758 | 1W1-RW515-B-SF |
| 250759 | 1W1-RW515-B-1 |
| 250760 | 1W1-RW515-B-2 |
| 250761 | 1W1-RW515-B-5 |
| 250762 | 1W1-RW515-ABT-A-SF |
| 250763 | 3W6-RW547-A-SF |
| 250764 | 3W6-RW547-A-1 |
| 250765 | 3W6-RW547-A-2 |
| 250766 | 3W6-RW547-A-5 |
| 250767 | 3W6-RW547-B-SF |
| 250768 | 3W6-RW547-B-1 |
| 250769 | 3W6-RW547-B-2 |
| 250770 | 3W6-RW547-B-5 |
| 250771 | 3W2-A-SF |
| 250772 | 3W2-A-1 |
| 250773 | 3W2-A-2 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69092

REPORTED 04/20/2001

RECEIVED 03/08/2001

PROJECT #202887-01
CalTrans/I-10 HOV /Soil Sampling

SUBMITTER Client

COMMENTS Added TCLP Lead to order #250758 & 762 on 04/12/01.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250774 | 1W1-J-SF |
| 250775 | 1W1-J-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

**Order #:** 250744 **Client Sample ID:** 1W1-RW515-ABT-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 14.9 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250745 **Client Sample ID:** 1W1-RW515-ABT-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250747 **Client Sample ID:** 1W1-H-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 306 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | HK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 26.6 | 2.0 | mg/L | 03/23/01 | NK |

**Order #:** 250748 **Client Sample ID:** 1W1-H-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 10.1 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250749 **Client Sample ID:** 1W1-H-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 545 | 20.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 15.3 | 0.4 | mg/L | 03/23/01 | NK |

**Order #:** 250750 **Client Sample ID:** 1W1-J-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 20.8 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250751 **Client Sample ID:** 1W1-RW523-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 262 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 26.5 | 2.0 | mg/L | 03/23/01 | NK |

**Order #:** 250752 **Client Sample ID:** 1W1-RW523-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250753 **Client Sample ID:** 1W1-RW523-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.64 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250754 **Client Sample ID:** 1W1-RW523-A-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250755 **Client Sample ID:** 1W1-I-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 3,980 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250756 **Client Sample ID:** 1W1-I-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 9.80 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250757 **Client Sample ID:** 1W1-I-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,150 | 100.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250758 **Client Sample ID:** 1W1-RW515-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 0.88 | 0.1 | mg/L | 04/19/01 | NK |
| **150.1 pH** | | | | | |
| pH | 6.09 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 1,610 | 100.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250759 **Client Sample ID:** 1W1-RW515-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250760 **Client Sample ID:** 1W1-RW515-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 25.1 | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250761 **Client Sample ID:** 1W1-RW515-B-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 22.4 | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250762 **Client Sample ID:** 1W1-RW515-ABT-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | |
| Lead TCLP | 1.08 | 0.1 | mg/L | 04/19/01 NK |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 1,620 | 100.0 | mg/Kg | 03/14/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250763 **Client Sample ID:** 3W6-RW547-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 177 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.97 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 250764 **Client Sample ID:** 3W6-RW547-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 15.1 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250765 **Client Sample ID:** 3W6-RW547-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.91 | | NA | 03/15/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250766 **Client Sample ID:** 3W6-RW547-A-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 NK |

**Order #:** 250767 **Client Sample ID:** 3W6-RW547-B-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 171 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | 0.25 | 0.2 | mg/L | 04/02/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 10.5 | 0.4 | mg/L | 03/23/01 NK |

**Order #:** 250768 **Client Sample ID:** 3W6-RW547-B-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 83.3 | 10.0 | mg/Kg | 03/14/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 4.41 | 0.2 | mg/L | 03/23/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250769 **Client Sample ID:** 3W6-RW547-B-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250770 **Client Sample ID:** 3W6-RW547-B-5 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 138 | 10.0 | mg/Kg | 03/14/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 0.43 | 0.2 | mg/L | 03/23/01 | NK |

**Order #:** 250771 **Client Sample ID:** 3W2-A-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 866 | 20.0 | mg/Kg | 03/14/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.31 | 0.2 | mg/L | 04/02/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 70.7 | 2.0 | mg/L | 03/23/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250772 **Client Sample ID:** 3W2-A-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.25 | | NA | 03/15/01 | NJ |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | |
| Mercury | 0.35 | 0.12 | mg/Kg | 03/20/10 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | |
| Antimony | ND | 1.5 | mg/Kg | 03/21/01 | KN |
| Arsenic | 2.39 | 0.25 | mg/Kg | 03/23/01 | HN |
| Barium | 44.7 | 0.2 | mg/Kg | 03/21/01 | KN |
| Beryllium | ND | 0.1 | mg/Kg | 03/21/01 | KN |
| Cadmium | ND | 0.3 | mg/Kg | 03/21/01 | KN |
| Chromium | 7.30 | 0.5 | mg/Kg | 03/21/01 | KN |
| Cobalt | 5.70 | 0.5 | mg/Kg | 03/21/01 | KN |
| Copper | 20.3 | 0.5 | mg/Kg | 03/21/01 | KN |
| Lead | 26.2 | 0.25 | mg/Kg | 03/23/01 | HN |
| Molybdenum | ND | 0.65 | mg/Kg | 03/21/01 | KN |
| Nickel | 6.50 | 0.6 | mg/Kg | 03/21/01 | KN |
| Selenium | ND | 0.20 | mg/Kg | 03/23/01 | HN |
| Silver | ND | 0.5 | mg/Kg | 03/21/01 | KN |
| Thallium | ND | 0.40 | mg/Kg | 03/23/01 | HN |
| Vanadium | 16.3 | 0.2 | mg/Kg | 03/21/01 | KN |
| Zinc | 30.7 | 0.3 | mg/Kg | 03/21/01 | KN |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250773 **Client Sample ID:** 3W2-A-2 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 433 | 10.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.44 | 0.2 | mg/L | 04/02/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 33.9 | 2.0 | mg/L | 03/23/01 | NK |

**Order #:** 250774 **Client Sample ID:** 1W1-J-SF **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 3,570 | 10.0 | mg/Kg | 03/14/01 | NK |

**Order #:** 250775 **Client Sample ID:** 1W1-J-1 **Log Date:** 03/12/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/14/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**ASSOCIATED LABORATORIES**
*806 North Batavia - Orange, California 92868 - 714/771-6900* *FAX 714/538-1209*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69093
REPORTED 04/20/2001
RECEIVED 03/08/2001

PROJECT Caltrans / I-10 HOV / Soil Sampling #202887-01

SUBMITTER Client

COMMENTS *Added Pb TCLP to Order #250806, 808 per DR 4/12/01 DD.
**Added pH to Order #250787, 800, 812 per DR 4/17/01 DD.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250776 | 3W12-A-SF |
| 250777 | 3W12-A-1 |
| 250778 | 3W12-A-2 |
| 250779 | 3W13-A-SF |
| 250780 | 3W13-A-1 |
| 250781 | 3W13-A-2 |
| 250782 | 3W11-A-SF |
| 250783 | 3W11-A-1 |
| 250784 | 3W11-A-2 |
| 250785 | 3W11-RW59-B-SF |
| 250786 | 3W11-RW59-B-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69093
REPORTED 04/20/2001
RECEIVED 03/08/2001

PROJECT Caltrans / I-10 HOV / Soil Sampling #202887-01

SUBMITTER Client

COMMENTS *Added Pb TCLP to Order #250806, 808 per DR 4/12/01 DD.
**Added pH to Order #250787, 800, 812 per DR 4/17/01 DD.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250787 | 3W11-RW59-B-2 |
| 250788 | 3W11-RW59-B-5 |
| 250789 | 3W11-RW59ABT-A-SF |
| 250790 | 3W11-RW59ABT-A-1 |
| 250791 | 3W11-RW59ABT-A-2 |
| 250792 | 3W11-RW59-C-SF |
| 250793 | 3W11-RW59-C-1 |
| 250794 | 3W11-RW59-C-2 |
| 250795 | 3W11-RW59-D-SF |
| 250796 | 3W11-RW59-D-1 |
| 250797 | 3W11-RW59-D-2 |
| 250798 | 3W6-RW547-C-SF |
| 250799 | 3W6-RW547-C-1 |
| 250800 | 3W6-RW547-C-2 |
| 250801 | 3W6-RW547-C-4 |
| 250802 | 8E1-RW590-D-SF |
| 250803 | 8E1-RW590-D-1 |
| 250804 | 8E1-RW590-D-2 |
| 250805 | 8E1-RW590-D-2.5 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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*TESTING & CONSULTING*
*Chemical*
*Microbiological*
*Environmental*

CLIENT Ninyo & Moore (9164)
ATTN: David Shaler
9272 Jeronimo Road
Suite 123A
Irvine, CA 92618

LAB REQUEST 69093
REPORTED 04/20/2001
RECEIVED 03/08/2001

PROJECT Caltrans / I-10 HOV / Soil Sampling #202887-01

SUBMITTER Client

COMMENTS *Added Pb TCLP to Order #250806, 808 per DR 4/12/01 DD.
**Added pH to Order #250787, 800, 812 per DR 4/17/01 DD.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| Order No. | Client Sample Identification |
|---|---|
| 250806 | 8E1-A-SF |
| 250807 | 8E1-A-1 |
| 250808 | 8E1-A-2 |
| 250809 | 8E6-RW58ABT-A-SF |
| 250810 | 8E6-RW58ABT-A-1 |
| 250811 | 8E6-RW58ABT-A-2 |
| 250812 | 8E6-RW58-B-SF |
| 250813 | 8E6-RW58-B-1 |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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*Environmental*

**Order #:** 250776 **Client Sample ID:** 3W12-A-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 853 | 20.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.64 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 57.6 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250777 **Client Sample ID:** 3W12-A-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 114 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.32 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 22.0 | 2.0 | mg/L | 03/30/10 | NK |

**Order #:** 250778 **Client Sample ID:** 3W12-A-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/10 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250779 **Client Sample ID:** 3W13-A-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 127 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 9.55 | 0.2 | mg/L | 03/30/01 | Nk |

**Order #:** 250780 **Client Sample ID:** 3W13-A-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 35.0 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250781 **Client Sample ID:** 3W13-A-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 11.0 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250782 **Client Sample ID:** 3W11-A-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 66.4 | 10.0 | mg/Kg | 03/16/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 2.67 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250783 **Client Sample ID:** 3W11-A-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 158 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 5.04 | 0.2 | mg/L | 03/30/10 | NK |

**Order #:** 250784 **Client Sample ID:** 3W11-A-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 159 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.26 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 6.03 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250785 **Client Sample ID:** 3W11-RW59-B-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 614 | 20.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | 0.28 | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 35.6 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250786 **Client Sample ID:** 3W11-RW59-B-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250787 **Client Sample ID:** 3W11-RW59-B-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 8.32 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250788 **Client Sample ID:** 3W11-RW59-B-5 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 47.2 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250789 **Client Sample ID:** 3W11-RW59ABT-A-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 219 | 10.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 9.70 | 2.0 | mg/L | 03/30/01 NK |

**Order #:** 250790 **Client Sample ID:** 3W11-RW59ABT-A-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 30.4 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250791 **Client Sample ID:** 3W11-RW59ABT-A-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 30.9 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250792 **Client Sample ID:** 3W11-RW59-C-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 814 | 20.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 41.9 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250793 **Client Sample ID:** 3W11-RW59-C-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 606 | 20.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 27.6 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250794 **Client Sample ID:** 3W11-RW59-C-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|

**7420 Lead by Atomic Absorption**
DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 135 | 10.0 | mg/Kg | 03/16/01 | NK |

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 7.10 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250795 **Client Sample ID:** 3W11-RW59-D-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 449 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 21.3 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250796 **Client Sample ID:** 3W11-RW59-D-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 510 | 20.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 32.2 | 2.0 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250797 **Client Sample ID:** 3W11-RW59-D-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 20.3 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250798 **Client Sample ID:** 3W6-RW547-C-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 478 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 21.7 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250799 **Client Sample ID:** 3W6-RW547-C-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 86.5 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.31 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250800 **Client Sample ID:** 3W6-RW547-C-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **150.1 pH** | | | | |
| pH | 7.79 | | NA | 03/16/01 NJ |
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | ND | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250801 **Client Sample ID:** 3W6-RW547-C-4 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 33.2 | 10.0 | mg/Kg | 03/16/01 NK |

**Order #:** 250802 **Client Sample ID:** 8E1-RW590-D-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst |
|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | |
| Lead | 674 | 20.0 | mg/Kg | 03/16/01 NK |
| **7420 DI-STLC Lead by AA** | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 NK |
| **7420 STLC Lead by AA** | | | | |
| Lead STLC | 47.7 | 2.0 | mg/L | 03/30/01 NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**Order #:** 250803 **Client Sample ID:** 8E1-RW590-D-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 96.1 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 8.84 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250804 **Client Sample ID:** 8E1-RW590-D-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 105 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 10.3 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250805 **Client Sample ID:** 8E1-RW590-D-2.5 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 98.6 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 12.2 | 2.0 | mg/L | 03/30/01 | NK |

**Order #:** 250806 **Client Sample ID:** 8E1-A-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 6.84 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 4,620 | 100.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250807 **Client Sample ID:** 8E1-A-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 7.24 | | NA | 03/16/01 | NJ |
| **245.5 Mercury in Solids by Manual Cold Vapor** | | | | | |
| Mercury | ND | 0.12 | mg/Kg | 03/16/01 | MDJ |
| **6010B ICP CAM Metals Only (16 Metals)** | | | | | |
| Antimony | 2.00 | 1.5 | mg/Kg | 03/21/01 | KN |
| Arsenic | 5.23 | 0.25 | mg/Kg | 03/21/01 | NK |
| Barium | 129 | 0.2 | mg/Kg | 03/21/01 | KN |
| Beryllium | 0.19 | 0.1 | mg/Kg | 03/21/01 | KN |
| Cadmium | 0.61 | 0.3 | mg/Kg | 03/21/01 | KN |
| Chromium | 15.3 | 0.5 | mg/Kg | 03/21/01 | KN |
| Cobalt | 6.60 | 0.5 | mg/Kg | 03/21/01 | KN |
| Copper | 128 | 0.5 | mg/Kg | 03/21/01 | KN |
| Lead | 3,900 | 0.25 | mg/Kg | 03/21/01 | NK |
| Molybdenum | ND | 0.65 | mg/Kg | 03/21/01 | KN |
| Nickel | 19.1 | 0.6 | mg/Kg | 03/21/01 | KN |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Selenium | 0.83 | 0.20 | mg/Kg | 03/21/01 | NK |
| Silver | ND | 0.5 | mg/Kg | 03/21/01 | KN |
| Thallium | ND | 0.40 | mg/Kg | 03/21/01 | NK |
| Vanadium | 19.6 | 0.2 | mg/Kg | 03/21/01 | KN |
| Zinc | 311 | 0.3 | mg/Kg | 03/21/01 | KN |

**7420 Lead by Atomic Absorption**

| | | | | | |
|---|---|---|---|---|---|
| Lead | 1,500 | 100.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250808 **Client Sample ID:** 8E1-A-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **1311/7420 TCLP Lead by AA** | | | | | |
| Lead TCLP | 5.18 | 0.1 | mg/L | 04/19/01 | NK |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 2,540 | 100.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250809 **Client Sample ID:** 8E6-RW58ABT-A-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 82.0 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 4.49 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250810 **Client Sample ID:** 8E6-RW58ABT-A-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

| | | | | | |
|---|---|---|---|---|---|
| Lead | 77.9 | 10.0 | mg/Kg | 03/16/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 4.76 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250811 **Client Sample ID:** 8E6-RW58ABT-A-2 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 33.0 | 10.0 | mg/Kg | 03/16/01 | NK |

**Order #:** 250812 **Client Sample ID:** 8E6-RW58-B-SF **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **150.1 pH** | | | | | |
| pH | 6.69 | | NA | 03/16/01 | NJ |
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 189 | 10.0 | mg/Kg | 03/16/01 | NK |
| **7420 DI-STLC Lead by AA** | | | | | |
| Lead DI-STLC | ND | 0.2 | mg/L | 04/09/01 | NK |
| **7420 STLC Lead by AA** | | | | | |
| Lead STLC | 7.21 | 0.2 | mg/L | 03/30/01 | NK |

**Order #:** 250813 **Client Sample ID:** 8E6-RW58-B-1 **Log Date:** 03/13/20
**Matrix:** SOLID
**Date Sampled:** 03/08/2001

| Analyte | Result | DLR | Units | Date/Analyst | |
|---|---|---|---|---|---|
| **7420 Lead by Atomic Absorption** | | | | | |
| Lead | 183 | 10.0 | mg/Kg | 03/16/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

**7420 DI-STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead DI-STLC | 0.38 | 0.2 | mg/L | 04/09/01 | NK |

**7420 STLC Lead by AA**

| | | | | | |
|---|---|---|---|---|---|
| Lead STLC | 10.7 | 0.2 | mg/L | 03/30/01 | NK |

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250806

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69058, 69093, 68919, 68921, 68970, 68974

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 6.84 | | 2.0 | 9.10 | 9.14 | 113.0 | 115.0 | 0.4 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP2 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 2.210 | 2 | 110.5 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

QA REPORT FORM (MS/MSD)

QC Sample: LR 69053 - 250318

Matrix: TCLP

Prep. Date: 04/18/01

Analysis Date: 04/19/01

Lab ID#'s in Batch: LR 69053, 69055, 69057, 69061, 69092, 69094, 69139, 69147

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 9.51 | | 2.0 | 11.9 | 11.7 | NC | NC | 1.7 |

** = MS/MSD outside Limits. LCS/MB Accepted.*
*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*% REC LIMITS = 75 - 125*
*RPD LIMITS = 20*

## LCS/MB REPORT FORM

QC Code # : H041801TCLP1 Prep. Meth: 3050

LCS Source(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1 Wt./Vol : 0.5ml/25ml

**Lab Control Sample (LCS)**

| TEST | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank PB | Method Blank ND |
|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.280 | 2 | 114.0 | 80 % | 120 % | 0.002 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 69314-251797

Matrix: SOLID

Prep. Date: 03/16/01

Analysis Date: 03/16/01

ID#'s in Batch: LR 69314, 69309, 69265, 69115, 69093, 68956, 69106, 69308, 69311

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|
| MERCURY | 245.5 / 7471A | 0.17 | 0.78 | 0.94 | 0.95 | 98.7 | 100.0 | 1.1 |

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *%REC LIMITS = 75 - 125* |
| *RPD LIMITS = 20* |

## PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| PREP BLK | LCS | | | | |
|---|---|---|---|---|---|
| Value | Result | True | %Rec | L.Limit | H.Limit |
| ND | 0.66 | 0.74 | 89.2 | 80% | 120% |

*Value = Preparation Blank Value; ND = Not-Detected*
*LCS Result = Lab Control Sample Result*
*True = True Value of LCS*
*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69093 - 250782

Matrix: STLC

Prep. Date: 03/23/01

Analysis Date: 04/03/01

Lab ID#'s in Batch: LR 69093

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 2.67 | | 2 | 4.98 | 4.99 | 115.5 | 116.0 | 0.2 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69093 - 250809

Matrix: STLC

Prep. Date: 03/23/01

Analysis Date: 04/03/01

Lab ID#'s in Batch: LR 69093

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 4.49 | | 2 | 6.77 | 6.75 | 114.0 | 113.0 | 0.3 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*
*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

# ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 69093 - 250780

Matrix: SOLID

Prep. Date: 03/16/01

Analysis Date: 03/16/01

ID#'s in Batch: LR 69093

**MATRIX SPIKE / SAMPLE DUPLICATE / LCS / BLANK RESULT**

Reporting Units = mg/Kg

| Test | Method | Sample Result | ND | Sample Dup | ND | RPD | Spike Added | Matrix Spike | %Rec MS |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 35.00 | | 37.80 | | 7.7 | 98.2 | 136.0 | 102.9 |
| Lead | 7420 | 30.50 | | 32.90 | | 7.6 | 95.3 | 125.0 | 99.2 |
| Lead | 7420 | 0.25 | U | 0.25 | U | 0.0 | 94.7 | 98.9 | 104.4 |
| Lead | 7420 | 77.90 | | 78.90 | | 1.3 | 100.0 | 182.0 | 104.1 |

*NC = Not Calculated*
*ND = "U" - Not Detected*
*RPD = Relative Percent Difference of Sample and Sample Dup*
*%REC-MS = Percent Recovery of Matrix spike*

## LCS/ MB REPORT FORM

QC Code # : H031601SO5678 Prep. Meth 3050

LCS Source(s) : QC21-LOT#QC2184/4;QC7-LOT7A84/1 Wt./Vol : 0.5ml/50ml

**Lab Control Sample (LCS)**

| Test | Method | Result | TRUE | % Rec | L.Limit | H.Limit | Method Blank | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | PB | ND |
| Lead | 7420 | 110 | 100 | 110.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 108 | 100 | 108.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 85 | 100 | 85.0 | 80% | 120% | 0.25 | U |
| Lead | 7420 | 85 | 100 | 85.0 | 80% | 120% | 0.25 | U |

*Notes : RESULT = Sample Result; TRUE = True Value; % Rec = 100*Result/True*
*L.Limit / H. Limit = Low / High Control Limits*
*PB = Preparation Blank; ND = "U" for Non-Detected*

# ASSOCIATED LABORATORIES

*QA REPORT FORM (MS/MSD)*

QC Sample: LR 69093 - 250779

Matrix: STLC (DI)

Prep. Date: 04/09/01

Analysis Date: 04/09/01

Lab ID#'s in Batch: LR 69093

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

| TEST | Method | Sample Result | ND | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 7420 | 0.2 | U | 2 | 2.33 | 2.37 | 116.5 | 118.5 | 1.7 |

*NC = Not Calculated*

*ND = "U" - Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

| |
|---|
| *% REC LIMITS = 75 -125* |
| *RPD LIMITS = 20* |

**ASSOCIATED LABORATORIES**
806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

69093

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 10 of _____

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine, CA 92618
PROJECT NAME #202887-01
Caltrans / I-10 HOV / Soil Sampling

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes _____ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular _____ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE WATER | SAMPLE TYPE AIR | SAMPLE TYPE SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 3W12-A-SF | Soil Sample | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| -1 | | | | | | | | | |
| -2 | | | | | | | | | |
| 3W13-A-SF | | | | | | | | | |
| -1 | | | | | | | | | |
| -2 | | | | | | | | | |
| 3W11-A-SF | | | | | | | | | |
| 3W11-A-1 | | | | | | | | | |
| -2 | | | | | | | | | |
| 3W11-RW59-B1-SF | | | | | | | | | |
| 3W11-RW59-B-1 | | | | | | | | | |
| -2 | | | | | | | | | |
| -5 | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| | | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) Ken Hulsey | Date/Time 3-8 01 |
| Special Instructions: | | |

I hereby autorize the performance of the above indicated work.

DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

**ASSOCIATED LABORATORIES**
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(714) 771-6900 • Fax: (714) 538-1209

69093

# CHAIN OF CUSTODY RECORD

Date 3/8/01 Page 11 of _____

CLIENT Ninyo + Moore
ADDRESS 9272 Jeronimo Rd, Ste 123A
Irvine, CA 92618
PROJECT NAME/# 202887-01
CALTRANS / I-10 HOV / SOIL SAMPLING

PROJECT MANAGER DAVID SHALER
PHONE NUMBER (949) 472-5444
SAMPLERS: (Signature)

Samples Intact Yes _____ No _____
County Seals Intact Yes _____ No _____
Sample Ambient ___ Cooled ___ Frozen ___
Same Day _____ 24 Hr. _____
Regular _____ 48 Hr. _____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| SW11-RW59 ABT | -A-SF Soil Sample | 3/8/01 | | | | X | 1 | | Lead 7000 Series |
| ↓ | -1 | ↓ | | | | ↓ | ↓ | | ↓ |
| ↓ | -2 | | | | | | | | |
| SW11-RW59-C-SF | | | | | | | | | |
| ↓ | -1 | | | | | | | | |
| ↓ | -2 | | | | | | | | |
| SW11-RW59-D-SF | | | | | | | | | |
| ↓ | -1 | | | | | | | | |
| ↓ | -2 | | | | | | | | |
| SW6-RW547-C-SF | | | | | | | | | |
| ↓ | -1 | | | | | | | | |
| ↓ | -2 | | | | | | | | |
| ↓ | -4 | | | | | | | | HOLD |

| | | |
|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) Ken MW ISG | Date/Time 3-8-01 |
| Special Instructions: | | |

I hereby autorize the performance of the above indicated work.

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(714) 771-6900 • Fax: (714) 538-1209

69093

# CHAIN OF CUSTODY RECORD

Date 3.8.01 Page 12 of ____

CLIENT NINYO & MOORE

ADDRESS 9272 JERONIMO RD. STE 123A
IRVINE, CA 92618

PROJECT NAME # 202887-01
CALTRANS / I-10 HOV / SOIL SAMPLING

PROJECT MANAGER DAVID SHAFER

PHONE NUMBER 949-472-5444

SAMPLERS: (Signature) JAL, REJ

Samples Intact Yes X No ____
County Seals Intact Yes ____ No X
Sample Ambient X Cooled ____ Frozen ____
Same Day ____ 24 Hr. ____
Regular X 48 Hr. ____

| SAMPLE NUMBER | LOCATION DESCRIPTION | DATE | TIME | SAMPLE TYPE: WATER | SAMPLE TYPE: AIR | SAMPLE TYPE: SOLID | NO OF CNTNRS | SUSP. CONTAM. | TESTS REQUIRED |
|---|---|---|---|---|---|---|---|---|---|
| 8E1-RW590.D -SF | | 3.8.01 | | | | X | 1 | | ~~7000~~ LEAD 7000 SERIES |
| -1 | | 3.8.01 | | | | X | 1 | | |
| -2 | | 3.8.01 | | | | X | 1 | | |
| -2.5 | | 3.8.01 | | | | X | 1 | | |
| 8E1-A -SF | | 3.8.01 | | | | X | 1 | | |
| -1 | | 3.8.01 | | | | X | 1 | | |
| -2 | | 3.8.01 | | | | X | 1 | | |
| 8E6-RW58 ABT-A -SF | | 3.8.01 | | | | X | 1 | | |
| -1 | | 3.8.01 | | | | X | 1 | | |
| -2 | | 3.8.01 | | | | X | 1 | | |
| 8E6-RW57-B-SF | | 3.8.01 | | | | | | | |
| | -1 | 3.8.01 | | | | | | | |
| | | ~~3.8.01~~ | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|
| | | 3-8-01 |
| Relinquished by: (Signature) | Received by Laboratory for analysis: (Signature) | Date/Time |
| | | 3-8-01 |

Special Instructions:

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DISTRIBUTION: White with report. Yellow to AL, Pink to Courier